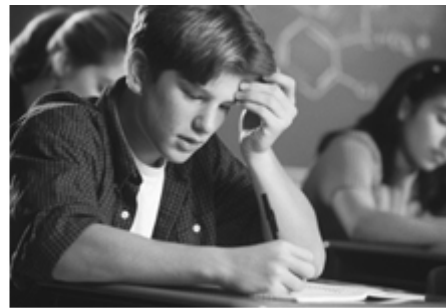


# CSEQ NORMS FOR THE FOURTH EDITION



The College Student Experiences Questionnaire Research Program



# College Student Experiences Questionnaire Norms for the Fourth Edition

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## Overview and Acknowledgements

The College Student Experiences Questionnaire (CSEQ) was developed by UCLA Professor Emeritus Dr. C. Robert Pace in the 1970s. First administered by Dr. Pace in 1979, the CSEQ Research Program formally moved its operations to Indiana University's Center for Postsecondary Research and Planning in 1994, under the direction of Chancellor's Professor George D. Kuh. Since then, the CSEQ Research Program has expanded each year in scope and function. More students complete the survey each year, and more institutions are using the survey as part of assessment strategies. In addition, the development of the College Student Expectations Questionnaire (CSXQ) complements the CSEQ in assessing incoming students' expectations of college. Several years ago, the CSEQ Research Program collaborated with the Center for Survey Research at Indiana University to develop and launch web versions of both the CSEQ and CSXQ. Most recently, the CSEQ and CSXQ instruments have been utilized in new, formative assessment ventures, in addition to their traditional summative assessment uses, through the creation of individual student reports of survey responses to inform student learning mid-year. Overall, CSEQ operations are thriving and we continue the innovative approach to research begun by Dr. Pace over a quarter century ago.

The *CSEQ Norms for the Fourth Edition* represents an updated version of the *Tentative Norms for the Fourth Edition* (Kuh & Siegel, 2000) with a larger dataset as well as complete psychometric information for the Fourth Edition. This report is divided into six parts. Part I describes the conceptual framework, history, and content of the CSEQ. This section also introduces indices that colleges and universities can use to estimate the extent to which students are exposed to three "good practices" in undergraduate education (i.e., faculty-student contact, cooperation among students, active learning), students' capacity for life-long learning, and the quality of student experiences with diversity. Part II describes the psychometric properties of the CSEQ Fourth Edition including information about scale reliability and the factors derived from the Activity, Environment, and Gains scales. Part III is included to help readers understand the Tables and provides some other useful information for comparing local data to these national data. Part IV includes two sections: first, information about the sample and institutions represented in the norms, and second, the norms Tables. References cited in *CSEQ Norms* appear in Part V. Finally, Part VI (Appendices) contains some additional technical information about the development of this document.

We appreciate the feedback from our many users over the years, whose questions and insights about the national database have helped shape this document. With this in mind, we invite comments and suggestions about this report, including any errors that may exist and especially ways that it can be improved. We add a special note of thanks to C. Robert Pace, Gary Pike, John Pryor, and Paul Umbach for reviewing earlier drafts of this document, and to Pil-Won On for cover design and graphics.





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Part I:  
Introduction

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## **Introduction to the College Student Experiences Questionnaire**

The College Student Experiences Questionnaire (CSEQ) was developed by C. Robert Pace, who has more than a half century of experience in evaluating college student experiences and designing assessment instruments. At Syracuse University in the 1950s, Pace teamed with Dr. George Stern to develop the College Characteristics Index (Pace & Stern, 1958). In the 1960s, Dr. Pace designed the College and University Environment Scales (CUES), a questionnaire that was subsequently distributed by the Educational Testing Service. Both of these early surveys influenced the development of the College Student Experiences Questionnaire.

Pace developed the CSEQ at the University of California Los Angeles in the 1970s and introduced it as a multi-institutional survey tool in 1979. It has been revised three times since: the second edition in 1983, the third edition in 1990, and the fourth edition 1998. Since its inception, the CSEQ has been administered to over 300,000 students attending more than 400 different colleges and universities (Appendix A) in the United States making it the third largest national database on college student experiences. Over 100,000 students at 200 different institutions have completed the fourth edition alone.

In 1994, the CSEQ research program was moved to Indiana University Bloomington under the leadership of George Kuh, Chancellor's Professor of Higher Education and Director of the Center for Postsecondary Research, Policy, and Planning. Pace and Kuh subsequently co-authored the fourth and current edition of the CSEQ (Appendix B). Changes in the survey from the third to the fourth edition are detailed in Appendix C. In the spring of 2000 the online version of the survey was introduced. Though it is quite different in appearance and administrative mode, the online version is identical in content to the paper version.

The CSEQ data has been cited in over 250 articles, books, and dissertations, and probably an equal number of institutional reports. (A list of citations is available on the CSEQ website at [www.iub.edu/~cseq](http://www.iub.edu/~cseq).)

### **Conceptual Framework and Content of the CSEQ**

Through the 1980s, much of the college impact literature was guided by the assumption that student demographics were the most important determinants of college success. However, CSEQ results, along with other studies and literature reviews (Astin, 1993; Kuh, 1995; Pascarella & Terenzini, 1991; Terenzini, Pascarella, & Blimling, 1996; Tinto, 1993), have consistently challenged this assumption and extended the college impact discussion into student experiences and engagement. The conclusion that student engagement affects college outcomes prompted the National Center for Educational Statistics (NCES, 1991) to recommend that colleges assess student behaviors and experiences in addition to direct learning outcomes. The CSEQ remains one of the few national assessment instruments that inventories both the processes of learning (e.g., interactions with faculty, collaboration with peers, and writing experiences) and progress toward desired outcomes of college (e.g., intellectual skills, interpersonal competence, and personal values) (Borden, 2001).

With over 150 items, the CSEQ provides colleges and universities with a comprehensive inventory of the student experience. The survey collects information about the student's background (e.g., age, sex, class, race and ethnicity, residency, major, and parent's education level), and asks questions about the student's experience with the institution in three areas: (a) college activities, (b) the college environment, and (c) estimate of gains.

## College Activities

The CSEQ is based on a simple but powerful premise related to student learning: **The more effort students expend in using the resources and opportunities an institution provides for their learning and development, the more they benefit.** Pace coined the term *quality of effort* to describe this unique interaction between students and their campus environments. Quality of effort has been linked to academic achievement, satisfaction, and persistence and is widely regarded as a critical component of research studies of student learning and development.

Specifically, the College Activities questions ask how often the student has done or experienced a particular event during the current school year. Response options include “Very Often,” “Often,” “Occasionally,” and “Never” and are given scores of 4 through 1 respectively. These items make up the majority of the survey and are grouped into thirteen Quality of Effort (QE) scales. Each QE scale contains between five and eleven activities that represent a range of difficulty. That is, some are relatively easy to accomplish and frequently enacted, and others are more difficult and less commonly enacted (Pace, 1984). Thus, to attain a high QE score the student must have performed or experienced even the difficult tasks on a frequent basis. This *quality of effort dimension* optimizes the variability among students in terms of their engagement or effort. The QE scales are listed in Figure 1-1. (See the codebook in Appendix D for individual items that comprise the QE scales).

**Figure 1-1. Quality of Effort Scales**

---

QELIB	Library Experiences
QECOMPUT	Computer and Information Technology
QECOURSE	Course Learning
QEWRITE	Writing Experiences
QEFAC	Experiences with Faculty
QEAMT	Art, Music, and Theater
QEFACIL	Campus Facilities
QECLUBS	Clubs and Organizations
QEPERS	Personal Experiences
QESTACQ	Student Acquaintances
QESCI	Scientific and Quantitative Experiences
QECONTPS	Topics of Conversation
QECONINF	Information in Conversations

---

Following the QE scales are five items which assess the amount of reading (textbooks or assigned books, course packets, and non-assigned books) and writing (number of essay exams and term papers or other written reports) the student has done during the current school year. The CSEQ also asks students to estimate how many hours per week they spend studying, doing homework, or otherwise doing academic work. This item is located on page 2 of the survey in the Background Information section.

## *The College Environment*

One method of describing college environments, collective perceptions, involves gathering information about what people perceive to be characteristic of the environment (Pace, 1987). Pace, as well as other theorists in the 1960s and 1970s, discovered consistent patterns of collective perceptions about the college environment. Among the common findings were identifiable dimensions – scholarly, aesthetic, pragmatic or vocational, and supportive and group welfare dimensions. Other researchers noted distinctions between the purposes of the environment, the human relationships within the environment, and the organizational structure of the environment (Heath, 1968; Moos, 1979).

Based on this early research, the ten college environment rating scales (Figure 1-2) assess student perceptions of the psychological climate for learning that exists on the campus. The first seven ask students to rate how strongly the campus emphasizes or promotes various aspects of student development (e.g., academic, scholarly, and intellectual qualities; aesthetic, expressive, and creative qualities; critical, evaluative, and analytical qualities). Students respond on a seven-point Likert scale with a value of 7 representing strong emphasis and a value of 1 representing weak emphasis. Three more scales in this set ask for the student’s perceptions of relationships with students, faculty, and administrative personnel at the institution. These are rated on a seven-point Likert scale with one end defined by such terms as competitive, rigid, and remote and the other end defined by terms like friendly, approachable, and helpful.

**Figure 1-2. Environment items**

---

ENVSCH	Emphasis on the development of academic, scholarly, and intellectual qualities
ENVESTH	Emphasis on the development of aesthetic, expressive, and creative qualities
ENVCRT	Emphasis on being critical, evaluative, and analytical
ENVDIV	Emphasis on developing an understanding and appreciation for human diversity
ENVINFO	Emphasis on developing information literacy skills (using computers, other information resources)
ENVVOC	Emphasis on the development of vocational and occupational competence
ENVPRAC	Emphasis on the personal relevance and practical values of your courses
ENVSTU	Relationship with other students, student groups, and activities
ENVADM	Relationship with administrative personnel and offices
ENVFAC	Relationship with faculty members

---

In addition to the ten environment scales, the CSEQ contains an index of student satisfaction with college. The score is computed by adding the responses to two satisfaction items: “How well do you like college?” and “If you could start over again, would you go to the same institution you are now attending?”

## *Estimate of Gains*

The last section of the CSEQ, *Estimate of Gains*, asks students to reflect on their entire experience at the institution and to estimate how much progress they feel they have made on 25 acknowledged goals of higher education (Figure 1-3). The gains items encompass a student’s holistic development, assessing such wide-ranging outcomes as acquiring relevant career

information, writing clearly and effectively, understanding self and others, and gaining the ability to think analytically and logically. The responses are scored using a four-point scale as follows: “Very Much”=4, “Quite a Bit”=3, “Some”=2, and “Very Little”=1.

**Figure 1-3. Estimate of Gains items**

---

GNVOC	Acquiring knowledge and skills applicable to a specific job or type of work (vocational preparation)
GNSPEC	Acquiring background and specialization for further education in a professional, scientific, or scholarly field
GNGENLED	Gaining a broad general education about different fields of knowledge
GNCAREER	Gaining a range of information that may be relevant to a career
GNARTS	Developing an understanding and enjoyment of art, music, and drama
GNLIT	Broadening your acquaintance with and enjoyment of literature
GNHIST	Seeing the importance of history for understanding the present as well as the past
GNWORLD	Gaining knowledge about other parts of the world and other people (Asia, Africa, South America, etc.)
GNWRITE	Writing clearly and effectively
GNSPEAK	Presenting ideas and information effectively when speaking to others
GNCMPTS	Using computers and other information technologies
GNPHILS	Becoming aware of different philosophies, cultures, and ways of life
GNVALUES	Developing your own values and ethical standards
GNSSELF	Understanding yourself, your abilities, interests, and personality
GNOTHERS	Developing the ability to get along with different kinds of people
GNTEAM	Developing the ability to function as a member of a team
GNHEALTH	Developing good health habits and physical fitness
GNSCI	Understanding the nature of science and experimentation
GNTECH	Understanding new developments in science and technology
GNCONSQ	Becoming aware of the consequences (benefits, hazards, dangers) of new applications of science and technology
GNANALY	Thinking analytically and logically
GNQUANT	Analyzing quantitative problems (understanding probabilities, proportions, etc.)
GNSYNTH	Putting ideas together, seeing relationships, similarities, and differences between ideas
GNINQ	Learning on your own, pursuing ideas, and finding information you need
GNADAPT	Learning to adapt to change (new technologies, different jobs or personal circumstances, etc.)

---

Asking students to reflect on what they have gained from their college experience is consistent with a value-added approach to outcomes assessment. That is, attending college is



expected to make a difference in students' knowledge, values, attitudes, and competencies. Because students know what they were like when they started college, the gains they have made are value-added judgments of learning (Pace, 1984).

### Factors and Additional Indices

The comprehensive nature of the CSEQ makes it possible for researchers to identify different combinations of survey items that measure useful constructs within the study of higher education. These can be derived empirically using factor analysis, or constructed using expert judgment and knowledge of the literature.

Consistent with previous versions of the *CSEQ Norms*, factor analysis of the ten College Environment items produced three factors and the 25 Estimate of Gains items were reduced to five factors (Figure 1-4). Technical details on the factor analysis procedure and results are reported in Part II and descriptive statistics are reported in Part IV.

**Figure 1-4. Environment and Gains Factors**

The College Environment Factors				
<i>Scholarly and Intellectual Emphasis</i>	<i>Vocational and Practical Emphasis</i>	<i>Quality of Personal Relations</i>		
ENVSCH	ENVDIV	ENVSTU		
ENVESTH	ENVINFO	ENVADM		
ENVCRT	ENVVOC	ENVFAC		
	ENVPRAC			

Estimate of Gains Factors				
<i>Personal/Social Development</i>	<i>Science &amp; Technology</i>	<i>General Education</i>	<i>Vocational Preparation</i>	<i>Intellectual Skills</i>
GNVALUES	GNSCI	GNARTS	GNVOC	GNWRITE
GNSSELF	GNTECH	GNLIT	GNSPEC	GNSPEAK
GNOTHERS	GNCONSQ	GNHIST	GNCAREER	GNCMPTS
GNHEALTH	GNQUANT	GNWORLD		GNANALY
GNTEAM		GNPHILS		GNSYNTH
GNADAPT		GNGENLED		GNINQ

In addition, five indices were constructed based on the student learning and development literature in higher education: (a) Student-Faculty Interaction, (b) Active Learning, (c) Cooperative Learning, (d) Capacity for Life-Long Learning, and (e) Experiences with Diversity. Along with the QE scales and factors, information about the psychometric properties of these indexes is presented in Part II and descriptive statistics are found in the Tables in Part IV.

### *Good Practices in Undergraduate Education*

The first three indices listed above assess exposure to good practices within the educational environment that are known to foster student learning. If faculty and administrators are doing good things to cultivate student learning (i.e., good practices), students will respond accordingly (e.g., writing more, reading more, interacting more with faculty) resulting in desired outcomes such as increased competence in critical thinking, effective communication, and responsible citizenship. Furthermore, this information can focus faculty, staff, and students on activities associated with improving student outcomes.

responsible citizenship. Furthermore, this information can focus faculty, staff, and students on activities associated with improving student outcomes.

**Figure 1-5. Student-Faculty Interaction Index**

---

FAC1	Talked with your instructor about information related to a course you were taking (grades, make-up work, assignments, etc.)
FAC2	Discussed your academic program or course selection with a faculty member
FAC3	Discussed ideas for a term paper or other class project with a faculty member
FAC4	Discussed your career plans and ambitions with a faculty member
FAC5	Worked harder as a result of feedback from an instructor
FAC6	Socialized with a faculty member outside of class (had a snack or soft drink, etc.)
FAC7	Participated with other students in a discussion with one or more faculty members outside of class
FAC8	Asked your instructor for comments and criticisms about your academic performance
FAC9	Worked harder than you thought you could to meet an instructor's expectations and standards
FAC10	Worked with a faculty member on a research project
CLUBS4	Met with a faculty member or staff advisor to discuss the activities of a group or organization
WRITE6	Asked an instructor or staff member for advice and help to improve your writing
PERS8	Talked with a faculty member, counselor, or other staff member about personal concerns

---

**Figure 1-6. Cooperation among Students Index**

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FACIL2	Met other students at some campus location (campus center, etc.) for a discussion
CLUBS2	Worked on a campus committee, student organization, or project (publications, student government, special event, etc.)
PERS1	Told a friend or family member why you reacted to another person the way you did
PERS2	Discussed with another student, friend, or family member why some people get along smoothly, and others do not
PERS3	Asked a friend for help with a personal problem
PERS7	Asked a friend to tell you what he or she really thought about you
WRITE3	Asked other people to read something you wrote to see if it was clear to them
COURSE7	Worked on a class assignment, project, or presentation with other students
COURSE10	Tried to explain material from a course to someone else (another student, friend, co-worker, family member)

---

The best known set of good practice indicators is the “Seven Principles for Good Practice in Undergraduate Education” (Chickering & Gamson, 1987). These seven principles include student-faculty contact, cooperation among students, active learning, prompt feedback, time on task, high expectations, and respect for diverse talents and ways of learning. All are empirically related to student satisfaction and achievement on a variety of dimensions (Astin, 1984, 1985, 1993; Bruffee, 1993; Chickering & Gamson, 1999; Goodsell, Maher, & Tinto, 1992; Hatfield, 1995; Johnson, Johnson, & Smith, 1991; Pike, 1993; Sorcinelli, 1991). The extent to which students are exposed to three of these (student-faculty interaction, cooperation among students, and active learning) can be assessed using 43 items from the CSEQ. These items are listed in Figures 1-5, 1-6, and 1-7.

**Figure 1-7. Active Learning Index**

---

LIB2	Found something interesting while browsing in the library
LIB3	Asked a librarian or staff member for help in finding information on some topic
LIB4	Read assigned material other than textbooks in the library (reserve readings, etc.)
LIB5	Used an index or database (computer, card catalog, etc.) to find material on some topic
LIB6	Developed a bibliography or reference list for a term paper or other report
LIB7	Gone back to read a basic reference or document that other authors referred to
COURSE3	Contributed to class discussions
COURSE5	Tried to see how different facts and ideas fit together
COURSE6	Summarized major points and information from your class notes or readings
COURSE8	Applied material learned in a class to other areas (your job or internship, other courses, relationships with friends, family, co-workers, etc.)
COURSE9	Used information or experience from other areas of your life (job, internship, interactions with others) in class discussions or assignments
COURSE11	Worked on a paper or project where you had to integrate idea from various sources
WRITE1	Used a dictionary or thesaurus to look up the proper meaning of words
WRITE4	Referred to a book or manual about writing style, grammar, etc.
WRITE5	Revised a paper or composition two or more times before you were satisfied with it
WRITE6	Asked an instructor or staff member for advice and help to improve your writing
PERS4	Read articles or books about personal growth, self-improvement, or social development
PERS5	Identified with a character in a book, movie, or television show and wondered what you might have done under similar circumstances
PERS6	Taken a test to measure your abilities, interests, or attitudes
COMPUT5	Searched the World Wide Web or Internet for material related to a course
COMPUT6	Used a computer to retrieve materials from a library not at this institution

---

### *Capacity for Life-Long Learning*

The fourth index assesses a student's capacity for life-long learning – the ability to discover, synthesize, and apply new information to emerging problems; to think about ways to identify and solve problems (self-reflection); to value learning new ideas and concepts; to apply new knowledge to different situations; and to work collaboratively with people from different backgrounds. Our knowledge-based society requires people to communicate effectively, understand their organization's strategic goals and values, and work well with others in a world in which economic and social problems are increasingly abstract and complex. In addition, the information needs of many fields are changing so rapidly that many employers are less interested in how much a college graduate knows and more concerned about whether one has the skills to obtain new information and apply it in productive, creative ways (Twigg, 1995). Figure 1-8 lists the 14 gains items that make up this index.

**Figure 1-8. Capacity for Life-Long Learning Index**

---

GNSPEC	Acquiring background and specialization for further education in a professional, scientific, or scholarly field
GNGENLED	Gaining a broad general education about different fields of knowledge
GNWRITE	Writing clearly and effectively
GNOTHERS	Developing the ability to get along with different kinds of people
GNTEAM	Developing the ability to function as a member of a team
GNTECH	Understanding new developments in science and technology
GNANALY	Thinking analytically and logically
GNQUANT	Analyzing quantitative problems (understanding probabilities, proportions, etc.)
GNSYNTH	Putting ideas together, seeing relationships, similarities, and differences between ideas
GNINQ	Learning on your own, pursuing ideas, and finding information you need
GNCMPTS	Using computers and other information technologies
GNSELF	Understanding yourself, your abilities, interests, and personality
GNSPEAK	Presenting ideas and information effectively when speaking to others
GNADAPT	Learning to adapt to change (new technologies, different jobs or personal circumstances, etc.)

---

### *Experiences with Diversity*

The fifth index represents a combination of items dealing with student experiences with diversity on campus. The more students interact in meaningful ways with people different from themselves, the more they gain in understanding and appreciating human diversity (Hurtado, Milem, Clayton-Pederson, & Allen, 1999; Pascarella & Terenzini, 1991). Today's colleges and universities are observant of the growing diversity of student populations and the opportunities

for the undergraduate experience provided by this growth. Ten items from the CSEQ comprise the Experiences with Diversity Index (See Figure 1-9).

**Figure 1-9. Experiences with Diversity Index**

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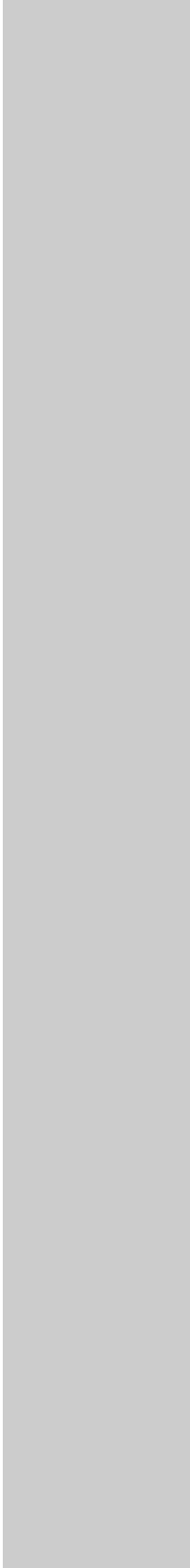
STACQ2	Became acquainted with students whose family background (economic, social) was different from yours
STACQ4	Became acquainted with students whose race or ethnic background was different from yours
STACQ5	Became acquainted with students from another country
STACQ8	Had serious discussions with students whose religious beliefs were very different from yours
STACQ9	Had serious discussions with students whose race or ethnic background was different from yours
STACQ10	Had serious discussions with students from a country different from yours
CONTPS3	Conversations about different lifestyles, customs, and religions with students, family members, co-workers, etc.)
GNOTHERS	Developing the ability to get along with different kinds of people
GNWORLD	Gaining knowledge about other parts of the world and other people (Asia, Africa, South America, etc.)
GNPHILS	Becoming aware of different philosophies, cultures, and ways of life

---

### **The College Student *Expectations* Questionnaire**

In 1998, the CSEQ Research Program introduced the College Student Expectations Questionnaire (CSXQ) (Kuh & Pace, 1998). The CSXQ assesses the goals of new students and their motivations toward the same activities and environment items on the CSEQ. New students hold important expectations about how and with whom they will spend their time in college. These expectations provide clues about how they will interact with peers and faculty members, behaviors that directly affect achievement and satisfaction with college. Institutions also have expectations for student performance. When paired with the CSEQ, which can be administered as a posttest measure toward the end of the school year, the institution can assess the degree to which student and institutional expectations are met. A copy of the CSXQ is in Appendix E.





Part II:  
Psychometric Properties:  
Discrimination, Reliability,  
and Validity

---





## Psychometric Properties of the CSEQ

The CSEQ has been recognized for years as a survey instrument with good psychometric properties because it reliably measures educational practices that affect student outcomes (Ewell & Jones, 1994, 1996; Pace, 1984, 1990). In a 1994 report produced by the National Center for Higher Education Management Systems (NCHEMS), Peter Ewell and associates concluded that the CSEQ had “excellent psychometric properties” (p. 31), was easy to administer, and had high to moderate potential for assessing student behavior and aspects of the college environment associated with desired outcomes. Factor analysis and reviews published in *Tests in Print III* (Mitchell, 1983) and the *Buros Mental Measurements Yearbooks* (Brown, 1985; DeCoster, 1989; McCammon, 1989) indicated that the items on all CSEQ scales are clear, well-defined, and have high face validity. In addition, logical relationships exist among same-scale items. Patterns of outcomes as reflected by the Gains scales vary across majors and length of study in the same manner as has been determined through direct achievement testing.

This section reviews the psychometric properties of the CSEQ Fourth Edition and presents evidence that it is a discriminating, reliable, and valid tool for institutional research.

### Evidence of Discrimination

A survey must discriminate well between students of varying strengths and experiences on the constructs that it purports to measure. That is, it should collect data with good variance, the distribution of scores should be in the normal range, and missing data should be minimized. Each of these is explained in more detail below.

#### *Variance*

A basic purpose of quantitative research is to uncover and explain variability. *Variance* is a statistical term for the spread or dispersion of scores taken from a group of respondents. Technically, it is the average of the squared deviations of each score from the mean in a distribution. Greater variance implies greater spread or dispersion, and thus greater discrimination among respondents. For example, some students are highly satisfied with their college experience and others are not. Some students put a lot of time and effort into their studies and others do not. Thus, a good questionnaire discriminates among students on the measures it contains.

The square root of variance is the *standard deviation*. In plain terms, standard deviation is the average amount by which scores deviate from the mean of the distribution. Because standard deviation is expressed in the original metric of the variable, it is a commonly reported statistic representing variance and discrimination of test scores.

Theoretically, about 95% of all scores in a normal curve distribution fall within plus or minus two standard deviations from the mean. Using this as a guide, the standard deviations of each scale in Table 2-1 point to considerable differences in students’ quality of effort, perceptions of the college environment, and estimates of gains. That is, around 75% of the full possible range of scores on each scale contains 95% of actual scores. Thus, the obtained scores utilize a majority of each scale – an indicator of good discrimination and variance.

#### *Normal Distribution*

A normality check involves examining the skewness (left-right symmetry) and kurtosis (peakedness or flatness) of the distribution of each variable. Skewness and kurtosis values

between -1.0 and +1.0 are the generally accepted bounds of normality within a distribution (Hair, Anderson, Tatham, & Black, 1998). Table 2-1 shows that the skewness and kurtosis values for all CSEQ scales and factors are well within the normal range.

**Table 2-1. Descriptive Statistics of CSEQ Scales and Factors**

Variable Name	Variable Label	Mean	SD	SEM	Skewness	Kurtosis
<i>Quality of Effort Scales</i>						
QELIB	Library Experiences	17.0	4.6	0.02	0.4	0.0
QECOMPUT	Computer and IT	22.7	5.3	0.02	0.3	-0.2
QECOURSE	Course Learning	32.2	5.7	0.02	-0.1	-0.4
QEWRITE	Writing Experiences	18.2	4.3	0.01	0.1	-0.5
QEFAC	Experiences with Faculty	21.6	6.2	0.02	0.7	0.2
QEAMT	Art, Music, Theater	15.2	5.3	0.02	0.6	-0.4
QEFACIL	Campus Facilities	17.7	4.8	0.02	0.3	-0.2
QECLUBS	Clubs and Organizations	9.2	4.1	0.01	0.8	-0.3
QEPERS	Personal Experiences	19.9	5.2	0.02	0.2	-0.5
QESTACQ	Student Acquaintances	26.3	6.9	0.02	0.2	-0.6
QESCI	Science & Quantitative Exp.	21.9	7.7	0.03	0.6	-0.4
QECONTPS	Topics of Conversation	24.6	6.0	0.02	0.3	-0.2
QECONINF	Information in Conversations	15.4	3.7	0.01	0.3	-0.2
<i>College Environment Factors</i>						
SCHOLAR	Environment Factor: Scholarly	15.9	3.2	0.01	-0.7	0.7
PERSREL	Environment Factor: Personal Relations	15.7	3.4	0.01	-0.7	0.4
PRACTIC	Environment Items: Practical Factor	19.7	4.5	0.02	-0.4	0.1
<i>Estimate of Gains Factors</i>						
PERSDEV	Gains Factor: Personal Development	17.5	3.9	0.01	-0.4	-0.4
SCITECH	Gains Factor: Science and Technology	9.6	3.3	0.01	0.2	-0.7
GENED	Gains Factor: General Education	14.8	4.0	0.01	0.2	-0.5
VOCPREP	Gains Factor: Vocational Preparation	8.3	2.2	0.01	-0.1	-0.5
INTELSK	Gains Factor: Intellectual Skills	17.6	3.7	0.01	-0.3	-0.3
<i>Satisfaction</i>						
OPINSCOR	Overall opinion of college	6.3	1.5	0.00	-0.8	0.2

SD = Standard Deviation; SEM = Standard Error of the Mean

### Missing Data

Large amounts of missing data signify the possibility of systematic non-response bias on the item. Frequency tables for all survey questions (Tables 4-4 and 4-5) show that missing values within the CSEQ norms data are minimal and very likely to be inconsequential. Missing data on background questions range between 0.1 and 3.2 %. Missing data on activities items

range between 0.7 to 3.4 %. On environment items they range between 2.1 to 2.2 %, and between 2.2 and 2.9 % on gains items.

**Evidence of Reliability**

Reliability, defined as freedom from measurement error, is the property of a survey in which questions that have similar meaning and intent elicit similar responses. One way to estimate the reliability of an instrument is to analyze the correlational patterns among items within measurement scales. Correlations within the Quality of Effort scales (Table 2-2) and within the College Environment (Table 2-3) and Estimate of Gains (Table 2-4) factors support the claim that the instrument is reliable. The majority of correlations are in the .3 to .4 range with many much higher. These indicate that the questions are moderately related to each other and are reliable.

Cronbach’s alpha reliability coefficient is an arithmetical measure of the internal consistency of the items in a scale or index. Cronbach’s alpha ranges from 0 to 1.0, and scores above .70 generally suggest that the items in the group are measuring the same thing (Hair, Anderson, Tatham, & Black, 1998). Tables 2-2 thru 2-4 report alpha coefficients below each of the correlation matrices. The QE scale alphas range between .74 to .92, the College Environment factor alphas range between .70 to .75, and the Estimate of Gain factor alphas range between .78 and .87. All are within acceptable range.

**Table 2-2. Intercorrelations within the QE Scales**

Library Experiences									Computer and Information Technology									
	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	9
LIB1	1								COMPUT1	1								
LIB2	.38	1							COMPUT2	.46	1							
LIB3	.20	.32	1						COMPUT3	.15	.24	1						
LIB4	.40	.39	.30	1					COMPUT4	.13	.26	.37	1					
LIB5	.27	.39	.38	.39	1				COMPUT5	.42	.41	.27	.27	1				
LIB6	.22	.27	.33	.32	.58	1			COMPUT6	.13	.14	.27	.28	.29	1			
LIB7	.26	.38	.29	.36	.36	.43	1		COMPUT7	.24	.28	.34	.30	.39	.34	1		
LIB8	.21	.31	.23	.28	.42	.44	.39	1	COMPUT8	.10	.18	.35	.31	.26	.32	.65	1	
Cronbach’s $\alpha = .80$									COMPUT9									
									.02 .12 .27 .31 .18 .25 .42 .44 1									
									Cronbach’s $\alpha = .78$									

**Table 2-2. Intercorrelations within the QE Scales**

Course Learning											Writing Experiences										
	1	2	3	4	5	6	7	8	9	10	11		1	2	3	4	5	6	7		
COURSE1	1											WRITE1	1								
COURSE2	.36	1										WRITE2	.47	1							
COURSE3	.29	.24	1									WRITE3	.38	.36	1						
COURSE4	.12	.05	.35	1								WRITE4	.45	.35	.49	1					
COURSE5	.27	.22	.38	.26	1							WRITE5	.37	.36	.49	.47	1				
COURSE6	.30	.30	.31	.25	.48	1						WRITE6	.30	.23	.45	.44	.50	1			
COURSE7	.12	.16	.24	.34	.22	.30	1					WRITE7	.10	.07	.12	.16	.17	.23	1		
COURSE8	.18	.18	.31	.30	.39	.36	.36	1				Cronbach's $\alpha = .78$									
COURSE9	.17	.15	.40	.33	.38	.35	.36	.61	1												
COURSE10	.21	.23	.33	.22	.39	.36	.34	.50	.51	1											
COURSE11	.21	.24	.31	.27	.36	.37	.37	.41	.44	.49	1										
Cronbach's $\alpha = .83$																					
Faculty Experiences										Art, Music, and Theatre											
	1	2	3	4	5	6	7	8	9	10		1	2	3	4	5	6	7			
FAC1	1										AMT1	1									
FAC2	.60	1									AMT2	.68	1								
FAC3	.54	.56	1								AMT3	.56	.55	1							
FAC4	.47	.61	.53	1							AMT4	.53	.44	.32	1						
FAC5	.49	.49	.50	.52	1						AMT5	.47	.53	.37	.56	1					
FAC6	.32	.37	.38	.44	.34	1					AMT6	.40	.40	.44	.39	.47	1				
FAC7	.35	.38	.42	.43	.37	.59	1				AMT7	.57	.52	.47	.47	.46	.41	1			
FAC8	.49	.47	.51	.49	.52	.41	.47	1			Cronbach's $\alpha = .86$										
FAC9	.38	.38	.41	.38	.53	.29	.36	.49	1												
FAC10	.20	.24	.33	.31	.21	.39	.39	.30	.28	1											
Cronbach's $\alpha = .88$																					
Campus Facilities								Clubs and Activities													
	1	2	3	4	5	6	7	8		1	2	3	4	5							
FACIL1	1								CLUBS1	1											
FACIL2	.46	1							CLUBS2	.70	1										
FACIL3	.34	.45	1						CLUBS3	.29	.33	1									
FACIL4	.25	.32	.48	1					CLUBS4	.48	.56	.37	1								
FACIL5	.25	.27	.27	.32	1				CLUBS5	.55	.62	.47	.59	1							
FACIL6	.21	.22	.26	.18	.16	1			Cronbach's $\alpha = .83$												
FACIL7	.11	.12	.14	.12	.15	.47	1														
FACIL8	.12	.14	.14	.14	.15	.58	.53	1													
Cronbach's $\alpha = .74$																					

**Table 2-2. Intercorrelations within the QE Scales**

Student Acquaintances										
	1	2	3	4	5	6	7	8	9	10
STACQ1	1									
STACQ2	.68	1								
STACQ3	.50	.56	1							
STACQ4	.52	.65	.55	1						
STACQ5	.42	.48	.41	.61	1					
STACQ6	.48	.50	.39	.45	.43	1				
STACQ7	.41	.41	.32	.36	.37	.69	1			
STACQ8	.43	.44	.34	.40	.38	.70	.67	1		
STACQ9	.44	.50	.38	.63	.52	.62	.59	.62	1	
STACQ10	.37	.40	.32	.47	.71	.53	.51	.51	.67	1
Cronbach's $\alpha = .91$										

Science and Quantitative Experiences										
	1	2	3	4	5	6	7	8	9	10
SCI1	1									
SCI2	.66	1								
SCI3	.59	.70	1							
SCI4	.35	.45	.57	1						
SCI5	.48	.55	.60	.56	1					
SCI6	.39	.45	.51	.56	.68	1				
SCI7	.40	.46	.54	.55	.67	.79	1			
SCI8	.43	.49	.58	.56	.70	.74	.82	1		
SCI9	.33	.41	.50	.57	.59	.63	.66	.69	1	
SCI10	.31	.37	.48	.53	.52	.52	.56	.60	.62	1
Cronbach's $\alpha = .92$										

Conversation Topics										
	1	2	3	4	5	6	7	8	9	10
CONTSP1	1									
CONTSP2	.57	1								
CONTSP3	.43	.65	1							
CONTSP4	.38	.57	.55	1						
CONTSP5	.25	.35	.40	.46	1					
CONTSP6	.20	.26	.23	.36	.22	1				
CONTSP7	.27	.22	.22	.24	.20	.44	1			
CONTSP8	.38	.51	.42	.49	.29	.49	.36	1		
CONTSP9	.48	.51	.42	.42	.23	.28	.35	.52	1	
CONTSP10	.48	.60	.48	.52	.30	.30	.25	.57	.63	1
Cronbach's $\alpha = .87$										

Personal Experiences								
	1	2	3	4	5	6	7	8
PERS1	1							
PERS2	.74	1						
PERS3	.59	.58	1					
PERS4	.30	.32	.33	1				
PERS5	.43	.44	.41	.40	1			
PERS6	.27	.30	.30	.41	.40	1		
PERS7	.40	.44	.50	.38	.41	.44	1	
PERS8	.22	.23	.25	.37	.26	.33	.37	1
Cronbach's $\alpha = .84$								

Information in Conversations						
	1	2	3	4	5	6
CONINF1	1					
CONINF2	.61	1				
CONINF3	.67	.61	1			
CONINF4	.54	.55	.61	1		
CONINF5	.38	.41	.44	.46	1	
CONINF6	.38	.43	.42	.45	.57	1
Cronbach's $\alpha = .86$						

**Table 2-3. Intercorrelations within Environment Factors**

Environment Factor: Scholarly				Environment Items: Practical Factor				
	1	2	3		1	2	3	4
ENVSCH	1			ENVDIV	1			
ENVESTH	.43	1		ENVINFO	.37	1		
ENVCRT	.65	.44	1	ENVVOC	.32	.48	1	
Cronbach's $\alpha = .75$				Cronbach's $\alpha = .75$				
Environment Factor: Personal Relations								
	1	2	3					
ENVSTU	1							
ENVADM	.37	1						
ENVFAC	.35	.59	1					
Cronbach's $\alpha = .70$								

**Table 2-4. Intercorrelations within Gains Factors**

Gains in Personal Development							Gains in Science and Technology				
	1	2	3	4	5	6		1	2	3	4
GNVALUES	1						GNSCI	1			
GNSELF	.59	1					GNTECH	.76	1		
GNOTHERS	.50	.63	1				GNCONSQ	.63	.71	1	
GNHEALTH	.30	.34	.38	1			GNQUANT	.55	.56	.52	1
GNTEAM	.42	.49	.62	.48	1		Cronbach's $\alpha = .87$				
GNADAPT	.42	.45	.46	.30	.42	1					
Cronbach's $\alpha = .83$											
Gains in General Education							Gains in Vocational Preparation				
	1	2	3	4	5	6		1	2	3	
GNARTS	1						GNVOC	1			
GNLIT	.54	1					GNSPEC	.52	1		
GNHIST	.38	.52	1				GNCAREER	.56	.52	1	
GNWORLD	.34	.41	.53	1			Cronbach's $\alpha = .78$				
GNPHILS	.35	.41	.43	.53	1						
NGENLED	.28	.34	.34	.32	.38	1					
Cronbach's $\alpha = .81$											
Gains in Intellectual Skills											
	1	2	3	4	5	6					
GNWRITE	1										
GNSPEAK	.59	1									
GNCMPTS	.32	.38	1								
GNANALY	.38	.43	.33	1							
GNSYNTH	.40	.45	.32	.63	1						
GNINQ	.39	.43	.33	.50	.61	1					
Cronbach's $\alpha = .82$											

## **Evidence of Validity**

Validity is the cornerstone of any assessment procedure. Basically, an assessment tool has validity if it measures what it is supposed to measure. Below is a discussion of two different forms of validity as they relate to the CSEQ: content validity and construct validity.

### *Content Validity*

To demonstrate the content validity of the CSEQ, survey items should represent the full domain of behaviors, perceptions, and self-assessments that pertain to the intended learning and development outcomes of college students. Specifically, the activities within a scale must comprise a coherent area of content. That is, if one expects a scale to measure the quality of effort students put forth in using the library, then all items or activities on the scale would refer to using the library. Thus, inferences can be drawn to the larger domain based on responses to the survey items.

Unlike face validity, which is determined by those who complete the survey, content validity is usually established by content experts. As mentioned above, the CSEQ has been recognized by assessment professionals in higher education as a survey instrument that reliably measures educational practices that affect student outcomes. The CSEQ also has high to moderate potential for assessing student activities and college environments (Ewell & Jones, 1994, 1996), and the items are clear and well-written (Brown, 1985; DeCoster, 1989; McCammon, 1989; Mitchell, 1983).

Evidence of content validity for the Quality of Effort scales can be determined by factor analysis. If the item content is coherent and interrelated, then factor analysis on QE scale items should confirm only one factor for each scale. In fact, all but one of the QE scales (Campus Facilities) meets this criterion. The two-factor solution for the Campus Facilities scale is not surprising given that five items ask about interactions with various campus locations and the other three items ask about student involvement in fitness and athletics. Still, the Campus Facilities scale retains an acceptable reliability ( $\alpha=.74$ ) as a single scale. Factor loadings for the one-factor solution for items within each QE scale are reported in Table 2-5.

### *Construct Validity*

Construct validity allows a researcher to make inferences from survey scores to a psychological construct. Evidence of construct validity can be determined by examining whether the relationships between various measures on the CSEQ and other variables are consistent with related research.

Some QE scales address academic and intellectual activities – use of library, contacts with faculty members, course learning, writing, and science and laboratory work. Results from the CSEQ show that such intellectual effort is highly correlated with grades and desired outcomes of general education (Pike, 1995), more common among seniors as contrasted with first-year students, and characteristic of those students who spend more time on their studies and those who aspire to continue their education beyond the baccalaureate. Similar patterns of relationships between these variables have been reported numerous times (e.g., Astin, 1977, 1993; Pascarella & Terenzini, 1991).

**Table 2-5. One-Factor Solution Factor Loadings of Quality of Effort Scale Items**

Library		Computer & Information Technology		Course Learning		Writing Experiences		Experiences with Faculty	
LIB1	.46	COMPUT1	.36	COURSE1	.37	WRITE1	.60	FAC1	.67
LIB2	.58	COMPUT2	.45	COURSE2	.36	WRITE2	.53	FAC2	.72
LIB3	.49	COMPUT3	.52	COURSE3	.55	WRITE3	.69	FAC3	.73
LIB4	.59	COMPUT4	.51	COURSE4	.45	WRITE4	.70	FAC4	.73
LIB5	.71	COMPUT5	.56	COURSE5	.60	WRITE5	.70	FAC5	.69
LIB6	.66	COMPUT6	.47	COURSE6	.60	WRITE6	.62	FAC6	.59
LIB7	.61	COMPUT7	.75	COURSE7	.50	WRITE7	.22	FAC7	.63
LIB8	.57	COMPUT8	.66	COURSE8	.68			FAC8	.72
		COMPUT9	.49	COURSE9	.70			FAC9	.59
				COURSE10	.67			FAC10	.43
				COURSE11	.63				
Art, Music, Theatre		Campus Facilities		Clubs and Organizations		Personal Experiences		Student Acquaintances	
AMT1	.80	FACIL1	.49	CLUBS1	.73	PERS1	.72	STACQ1	.66
AMT2	.77	FACIL2	.56	CLUBS2	.82	PERS2	.74	STACQ2	.72
AMT3	.65	FACIL3	.60	CLUBS3	.47	PERS3	.71	STACQ3	.58
AMT4	.64	FACIL4	.51	CLUBS4	.70	PERS4	.55	STACQ4	.73
AMT5	.68	FACIL5	.43	CLUBS5	.80	PERS5	.63	STACQ5	.68
AMT6	.59	FACIL6	.58			PERS6	.53	STACQ6	.77
AMT7	.70	FACIL7	.45			PERS7	.67	STACQ7	.69
		FACIL8	.50			PERS8	.43	STACQ8	.71
								STACQ9	.80
								STACQ10	.71
Scientific and Quantitative Experiences		Conversation Topics		Information in Conversations					
SCI1	.57	CONTPS1	.61	CONINF1	.74				
SCI2	.66	CONTPS2	.78	CONINF2	.75				
SCI3	.75	CONTPS3	.68	CONINF3	.80				
SCI4	.70	CONTPS4	.71	CONINF4	.74				
SCI5	.81	CONTPS5	.47	CONINF5	.61				
SCI6	.81	CONTPS6	.46	CONINF6	.61				
SCI7	.83	CONTPS7	.42						
SCI8	.86	CONTPS8	.71						
SCI9	.76	CONTPS9	.69						
SCI10	.67	CONTPS10	.76						

Principal Axis Factoring with no rotation



Responses to the CSEQ writing scale are consistent with other research showing the expected differences related to time spent on academic work, grades, and aspirations. That is, students who invest more energy in writing tasks and write more papers attain higher grades and are more likely to plan post-baccalaureate study.

On the various QE scales related to the arts, clubs and organizations, personal experiences, and student acquaintances, there are logical and expected significant differences between two contrasting groups: (a) between students who live on campus and those who live off campus and (b) between full-time students and part-time students. These relationships are consistent with other research showing that resident students are much more involved in campus activities than are commuter students. In addition, sharp contrasts are found between science majors and humanities/arts majors on QE scales related to those fields. Science majors devote much more time and effort to science lab activities than do humanities/arts majors. Precisely the opposite is true of the activities related to cultural facilities and writing where the humanities/arts majors have much higher scores. All these relationships “make sense” and are consistent with other research (Astin, 1977; 1993; Ballou et al., 1995; Chickering, 1974; Pascarella & Terenzini, 1991).

The relationships between items included in the Estimate of Gains section, where students are asked to consider how much progress they feel they have made in college, are not as obvious, explicit, or specific as the items on the QE (Activities) scales. Inasmuch as these relationships have been extensively documented, students’ self-estimate of gains should reflect the same relationships. They do. For example, students who major in science report the greatest gains in science-related goals. On the item “understanding the nature of science and experimentation,” 86% of students majoring in biological or physical sciences reported substantial progress (gained “Very Much” or “Quite a Bit”), compared with only 24% and 28% respectively for fine arts and humanities majors. On “developing an understanding and enjoyment of art, music, and drama” scale, 87% of students majoring in fine arts reported substantial gains, whereas 39% of the science majors indicated that they had similar gains. On “broadening your acquaintance and enjoyment of literature” 76% of humanities majors reported substantial gains compared with 38% of the science majors.

For other Gains items such as “understanding other people” the sources of external evidence are necessarily subjective. Yet, the same reasoning can be used to verify the expected correspondence between students’ experiences and their reported progress. For example, students who frequently use athletic and recreational facilities also report the greatest gains in “developing good health habits and physical fitness.” Students who score highest on the student acquaintances scale and students who live in college housing report the most progress in “becoming aware of different philosophies, cultures, and ways of life” and “developing the ability to get along with different kinds of people.”

### *Evidence of Construct Validity using Regression Analysis*

Blocked hierarchical regression analysis can also provide evidence to validate the appropriate use of the CSEQ to measure constructs related to student learning and development. Using this method we explain a large portion of the variance in each of the five gains factors (dependent variables) using sets of student background variables, institutional characteristics, environmental characteristics, and quality of effort scales as independent variables.

In blocked hierarchical regression, independent variables are entered in sets of items, or blocks, each accounting for some portion of the variance within the dependent variable. Blocks are entered in a pre-determined sequence so that preceding blocks account for initial variance and subsequent blocks account for remaining variance. We entered blocks into the model in the following order: (1) student background variables, (2) institutional characteristics, (3) environment ratings, and (4) quality of effort scales and activities. Thus we are able to highlight the additional contribution that quality of effort makes in predicting progress toward desired learning and development outcomes.

Student background variables include age, class standing, sex, transfer student status, residency (on- and off-campus), and grades. Institutional characteristics include the 2000 Carnegie Classification (entered as a dummy variable with doctoral/research extensive as the reference group) and the school's selectivity ranking from *Barron's Profiles of American Colleges* (2000).

Table 2-6 presents the results of this analysis. Due to the large size of the CSEQ norms data set (over 87,000 cases) we include in each model only those variables that accounted for at least 1% of additional variance in the gains factor. The column labeled  $R^2$  can be interpreted as the proportion of variance in the gains factor explained by the given blocks of variables. For example, in the Personal Development factor, student background accounts for only 3 % of the variance and institutional characteristics add no additional explanation of variance. However, environmental variables account for over a fifth (21%) of the variance and quality of effort explains an additional 13% of the variance. As you can see – after controlling for student background, institutional types, and environmental conditions – quality of effort explains a sizeable portion of the variance within all five of the gains factors.

Evidence of validity can also be found in the quality of effort items included in each model. For example, among the significant effects on gains in personal development is the Quality of Effort in Personal Experiences; among the effects on gains in science and technology is Quality of Effort in Science and Quantitative Experiences; and among the effects on gains in intellectual skills is the Quality of Effort in Course Learning and Writing Experiences. Other significant effects also make intuitive sense when examining the individual items within both the gains factors and the quality of effort scales.

### **The Validity of Self-Reported Data**

As mentioned earlier, the CSEQ relies on student self-reports of their activities, perceptions, and gains. The use and validity of self-reports has been examined extensively (Baird, 1976; Pace, 1985; Pike, 1995; Turner & Martin, 1984). For example, Pike (1995) found that student reports of their experiences were highly correlated with relevant achievement test scores. He concluded that self-reports of progress could be used as proxies for achievement test results if there were a high correspondence between the content of the criterion variable and proxy indicator.

Student self-reports are valid under five conditions:

1. respondents should be able and willing to provide accurate information,
2. questions should be about recent behavior,
3. questions should not explore sensitive, potentially embarrassing areas,
4. questions should be phrased clearly and unambiguously, and
5. respondents should take the questions seriously and thoughtfully.

**Table 2-6. Blocked Hierarchical Regression of Gains Factors**

Factor/Blocks	Independent Variables	Multiple R	R <sup>2</sup>	Change in R <sup>2</sup>
<b>Gains in Personal Development</b>				
1 Student Background	age, grades, residency, sex, class, transfer status	.16	.03	.03
2 Institutional Characteristics	Carnegie classification, selectivity	.16	.03	.00
3 Environment	ENVPRAC, ENVSTU, OPINSCOR, ENVINFO, ENVESTH	.49	.24	.21
4 Quality of Effort	QECONINF, QEFACIL, QEPERS, QECOURSE	.60	.36	.13
Total		.60	.36	
<b>Gains in Science &amp; Technology</b>				
1 Student Background	age, grades, residency, sex, class, transfer status	.18	.03	.03
2 Institutional Characteristics	Carnegie classification, selectivity	.21	.04	.01
3 Environment	ENVCRT, ENVINFO, ENVPRAC	.36	.13	.09
4 Quality of Effort	QESCI, QECONTPS	.67	.45	.32
Total		.67	.45	
<b>Gains in General Education</b>				
1 Student Background	age, grades, residency, sex, class, transfer status	.14	.02	.02
2 Institutional Characteristics	Carnegie classification, selectivity	.22	.05	.03
3 Environment	ENVESTH, ENVDIV, ENVFAC, OPINSCOR	.46	.21	.16
4 Quality of Effort	QECONTPS, QEAMT, QELIB, READTEXT, QECONINF, QESCI, QESTACQ	.65	.42	.21
Total		.65	.42	
<b>Gains in Vocational Preparation</b>				
1 Student Background	age, grades, residency, sex, class, transfer status	.24	.06	.06
2 Institutional Characteristics	Carnegie classification, selectivity	.25	.06	.00
3 Environment	ENVPRAC, OPINSCOR, ENVVOC, ENVFAC, ENVCRT	.51	.26	.20
4 Quality of Effort	QECOURSE, QESCI, QECONINF	.57	.32	.07
Total		.57	.32	
<b>Gains in Intellectual Skills</b>				
1 Student Background	age, grades, residency, sex, class, transfer status	.20	.04	.04
2 Institutional Characteristics	Carnegie classification, selectivity	.23	.05	.01
3 Environment	ENVINFO, ENVCRT, OPINSCOR, ENVFAC, ENVPRAC	.52	.27	.22
4 Quality of Effort	QECOURSE, QECONINF, QEWRT, QECOMP	.64	.42	.15
Total		.64	.42	

Experience over two decades indicates that these conditions are met by the CSEQ. Students are asked to recall only what they have done during the current school year, and items for the QE scales were carefully selected and worded so that students know almost immediately whether they have done them. In pre-testing many of the items contained in the QE scales, students told Pace and his associates that they had no difficulty responding to them because of lack of clarity. Also, the evidence suggests that students respond conscientiously to the questions because no item was left blank by more than 4% of respondents.

Moreover, self-reports are often the only practical source of information available because a great deal of student growth is not directly measurable and student behaviors are often not observable. Outcomes that reflect certain goals of higher education, such as changes in attitudes and values, and gains in social and practical competence, cannot be measured by achievement tests.

## Factor Analysis of Environment and Gains Items

Consistent with previous versions of the *CSEQ Norms*, factor analysis of the ten College Environment items produced three convincing factors and the 25 Estimate of Gains items were reduced to five factors (Figure 1-4 and Table 2-1). Factor analysis identifies a number of item clusters that depicts the underlying structure and pattern of relationships among a large set of variables. Factors were extracted using principal components factoring, and because all items on the CSEQ are generally correlated, an oblique rotation was used to maintain the intercorrelations. Factor loadings are reported in Tables 2-7 and 2-8.

**Table 2-7. Factor Loadings of Environment Factors**

Scholarly & Intellectual Emphasis (SCHOLAR)		Vocational & Practical Emphasis (VOCPREP)		Quality of Personal Relations (PERSREL)	
ENVSCH	.88	ENVVOC	.93	ENVFAC	.85
ENVCRT	.87	ENVPRAC	.75	ENVADM	.85
ENVSTH	.39	ENVINFO	.64	ENVSTU	.65
		ENVDIV	.47		

Principal Components Analysis with oblique rotation

**Table 2-8. Factor Loadings of Gains Factors**

Gains in Personal Development (PERSDEV)		Gains in Science & Technology (SCITECH)		Gains in General Education (GENED)	
GNOTHERS	.82	GNTECH	-.89	GNLIT	.79
GNTEAM	.77	GNSCI	-.87	GNHIST	.77
GNSELF	.69	GNCONSQ	-.79	GNWORLD	.72
GNHEALTH	.69	GNQUANT	-.70	GNARTS	.71
GNVALUES	.49			GNPHILS	.58
GNADAPT	.46			GNGENLED	.34
Gains in Vocational Preparation (VOCPREP)		Gains in Intellectual Skills (INTELSK)			
GNVOC	.88	GNWRITE	.56		
GNCAREER	.81	GNSYNTH	.54		
GNSPEC	.72	GNINQ	.52		
		GNANALY	.49		
		GNSPEAK	.49		
		GNCOMPTS	.30		

Principal Components Analysis with oblique rotation

## Intercorrelations between QE Scales, Environment Factors, and Gains Factors

The pattern of relationships among the QE scales, and between the QE scales and the environment and gains factors is as expected (Table 2-9). For example, clusters of higher correlations exist among the more academic QE scales (e.g., course learning, writing experiences, and experiences with faculty) and among the more social or out-of-class QE scales

(e.g., student acquaintances, personal experiences, and conversations). It's also validating that the scientific and quantitative experiences scale correlates best with the computer and information technology scale.

In general, QE scales do not correlate as highly with college environment factors. This may be due to the fact that the environment items are actually perceptions of the campus environment, and thus more subjective in nature. Still, it's notable that the library experiences and course learning scales correlate best with perceptions of a scholarly and intellectual environment, and the experiences with faculty and clubs and organizations scales correlate better with the quality of personal relations.

Gains factors are very well correlated with QE scales, and differences among them make sense. For example, course learning and writing experiences correlate highly with gains in intellectual skills, whereas art, music, and theater experiences correlate with gains in general education, which include items related to literature and the arts. Likewise, gains in vocational preparation are best correlated with course learning activities and experiences with faculty members, but not as well with out-of-classroom experiences. The highest correlation between QE scales and gains factors is between scientific and quantitative experiences and gains in science and technology.

**Table 2-9. Intercorrelations among QE Scales, Environment Factors, and Gains Factors**

		Quality of Effort Scales												
QE Scales		1	2	3	4	5	6	7	8	9	10	11	12	13
1	QELIB	1												
2	QECOMPUT	.29	1											
3	QECOURSE	.40	.40	1										
4	QEWRITE	.37	.34	.53	1									
5	QEFAC	.39	.39	.55	.51	1								
6	QEAMT	.27	.16	.31	.21	.29	1							
7	QEFACIL	.32	.35	.34	.29	.40	.24	1						
8	QECLUBS	.24	.27	.30	.18	.36	.27	.39	1					
9	QEPERS	.24	.28	.43	.40	.41	.35	.32	.26	1				
10	QESTACQ	.26	.30	.41	.30	.40	.37	.41	.32	.45	1			
11	QESCI	.17	.36	.29	.20	.29	.08	.29	.19	.19	.27	1		
12	QECONTPS	.32	.31	.45	.30	.39	.41	.28	.28	.38	.51	.33	1	
13	QECONINF	.36	.32	.55	.39	.48	.33	.33	.27	.46	.48	.32	.63	1

		Environment Factors			Gains Factors				
QE Scales		SCHOLAR	PRACTIC	PERSREL	PERSDEV	SCITECH	GENED	VOCPREP	INTELSK
1	QELIB	.16	.09	.11	.21	.17	.34	.17	.28
2	QECOMPUT	.14	.14	.10	.25	.32	.17	.24	.33
3	QECOURSE	.25	.18	.22	.38	.26	.37	.35	.47
4	QEWRITE	.16	.18	.16	.30	.18	.28	.19	.36
5	QEFAC	.20	.20	.29	.35	.29	.35	.32	.39
6	QEAMT	.13	.05	.08	.16	.05	.40	.10	.17
7	QEFACIL	.21	.16	.20	.36	.25	.27	.18	.27
8	QECLUBS	.11	.05	.13	.22	.15	.21	.18	.21
9	QEPERS	.15	.15	.14	.36	.13	.30	.18	.31
10	QESTACQ	.18	.13	.16	.33	.22	.37	.19	.31
11	QESCI	.12	.09	.06	.17	.61	.08	.26	.25
12	QECONTPS	.18	.11	.09	.26	.32	.43	.24	.35
13	QECONINF	.23	.18	.17	.37	.31	.43	.31	.44

Two-tailed; All correlations significant  $p < .001$ .





Part III:  
How to Use the Norms

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## **How to Use the Norms: Comparing Local Results to National Norms**

With survey results in hand, you may be considering the following questions:

- Are my institution's results are greater than, less than, or about the same as the national norm?
- How confident am I that the differences are *real*?
- If the differences are real, so what? Are they big enough to mean anything?
- What are the limitations of this analysis?

Upon receiving results from any survey, assessment professionals and institutional researchers must be prepared to answer these questions. The purpose of this chapter is to help you answer them as you compare your local data to the national norms. Specifically, we will discuss the following:

- Interpreting the various tables listed in Part IV
- Introduction and definition of effect size
- How to compute and interpret effect sizes, including an example using CSEQ norms data
- Sampling error and other limitations

### **Interpreting the Tables in Part IV**

Part IV of the *CSEQ Norms for the Fourth Edition* presents tables of information from the national database at Indiana University regarding frequency, descriptive, and psychometric qualities of the CSEQ Fourth Edition (Kuh & Pace, 1998).

Figures 3-1, 3-2, and 3-3 provide descriptive information and definitions to help interpret the tables in Part IV. Using these tables you will be able to identify items where frequencies or means differ markedly from your local data. You will also obtain the standard deviation of the mean distribution of the comparison group which is important for the calculation of effect sizes.

All of our norms tables report disaggregated results by the five major institutional types (*Carnegie Classification of Institutions of Higher Education*, 2000 Edition) and by undergraduate class rank (first-year through senior). Thus, rather than only one norm presented for each question or scale on the CSEQ, we report 20 (four classes within each of five institutional types) in addition to the group totals. This allows you to be more selective in the comparison group you choose for your own institutional data. For example, if you surveyed only first-year students and your institution is a Baccalaureate-General College, then you can compare to that same type of student nationally.

**Figure 3-1. Guide to Interpreting Descriptive and Frequency Tables**

**Carnegie Category**

Descriptives and frequencies of responses are reported for five Carnegie categories.

**Variables and Variable Names**

The variables and variable names appear at the top of the tables. The name of each variable is listed in parentheses for reference to your institutional data file and the other statistics in this report.

**Class Standing**  
Descriptives and frequencies of responses are reported by students' class standing.

**Valid N**

The number of valid cases after cases with missing values for any selected variable are excluded.

**Mean**

An arithmetic average of all responses on a particular item.

**Standard Deviation**

A measure of dispersion/variation from the mean score for each item.

**Descriptive Data**

Descriptive statistics (Valid N, Mean, Standard Deviation, and Standard Error of the Mean) are reported for each item. The descriptive table appears on the left side of each set of tables.

**Frequency Data**

Frequency information (frequency and percent) are reported by Carnegie category and class standing for all response options. Frequency data is presented in the right half of each set of tables.

**Frequency**  
Count of valid cases for each response option.

**Column %**  
Percentage of valid cases for each response option.

**Table Totals**  
Descriptive and frequency data are provided for the total norms database in the shaded areas of each table.

SAMPLE VARIABLE (VARI)	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total								
	Valid N	Mean	Std Dev	S.E.M.	Valid N	Mean	Std Dev	S.E.M.	Valid N	Mean	Std Dev	S.E.M.							
First-Year	12193	4466	8770	3023	2296	30760	Very little	456	4	258	5	419	5	101	3	111	5	1345	4
	3.01	2.91	2.88	3.00	2.90	2.95	Some	2754	23	1143	26	2345	27	717	24	532	26	1551	25
	0.83	0.87	0.83	0.82	0.84	0.84	Quite a bit	5165	42	1808	40	3899	44	1307	43	998	43	13177	43
	0.01	0.01	0.01	0.01	0.02	0.00	Very much	3824	31	1257	28	2107	24	304	30	535	26	8687	28
Sophomore	5555	1785	3015	1561	1056	12772	Very little	154	3	142	8	90	3	23	2	32	3	441	3
	3.16	2.89	3.00	3.24	3.00	3.08	Some	352	17	419	23	703	23	224	16	234	22	2532	20
	0.80	0.91	0.81	0.78	0.79	0.82	Quite a bit	2239	41	709	40	1328	44	514	38	488	46	5338	42
	0.01	0.02	0.01	0.02	0.02	0.01	Very much	2150	39	515	28	894	30	600	44	302	29	4461	35
Junior	3276	1670	3163	1052	1416	10583	Very little	72	2	120	7	30	3	21	2	31	2	334	3
	3.23	2.96	3.06	3.36	3.07	3.13	Some	502	15	379	23	635	20	124	12	277	20	1917	18
	0.78	0.92	0.79	0.77	0.77	0.81	Quite a bit	1003	40	617	37	1438	45	362	34	674	48	4334	42
	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1639	43	554	33	1006	32	545	52	434	31	3938	37
Senior	4645	1501	4410	1427	1354	13337	Very little	88	2	153	10	115	3	13	1	23	2	392	3
	3.28	2.87	3.19	3.48	3.19	3.22	Some	651	14	350	23	705	16	138	10	198	15	2042	15
	0.77	0.97	0.79	0.71	0.74	0.81	Quite a bit	1763	38	537	36	1833	42	420	29	631	47	5184	39
	0.01	0.02	0.01	0.02	0.02	0.01	Very much	2143	45	461	31	1757	40	856	60	502	37	5719	43
Table Totals	25675	9422	18364	6869	6122	67452	Very little	770	3	673	7	714	4	158	2	197	3	2512	4
	3.12	2.91	3.00	3.20	3.02	3.06	Some	4853	19	2291	24	4388	23	1203	18	1301	21	14042	21
	0.82	0.90	0.82	0.81	0.80	0.83	Quite a bit	10530	41	3671	39	8498	44	2603	38	2791	46	28093	42
	0.01	0.01	0.01	0.01	0.01	0.00	Very much	3516	37	2787	30	5764	30	2905	42	1833	30	22805	34

**Standard Error of the Mean**

A measure of how much the value of the mean may vary from sample to sample taken from the same distribution.

**Response Options**

Possible response options for each item (e.g. "Very Often," "Often," "Occasionally," and "Never").

**Figure 3-2. Guide to Interpreting Background Tables**

**Carnegie Category**

Frequencies of responses are reported for five Carnegie categories.

	DRUExt		DRUInt		MA I & II		BA Lib		BA Gen		Total	
	Freq	Col%	Freq	Col%	Freq	Col%	Freq	Col%	Freq	Col%	Freq	Col%
<b>Age of student (age)</b>												
First-year												
1 18 or younger	11967	36	4331	36	8511	35	2367	36	2055	83	23831	35
2 20-23	365	3	170	4	363	4	110	4	165	7	1173	4
3 24-29	30	0	18	0	33	0	7	0	34	1	122	0
4 30-39	25	0	8	0	24	0	2	0	35	2	34	0
5 40-55	9	0	6	0	16	0	4	0	21	1	36	0
6 over 55	7	0	0	0	4	0	1	0	2	0	14	0
Sophomore												
1 18 or younger	2855	51	756	42	1477	48	664	50	341	32	6113	47
2 20-23	2737	48	957	53	1503	43	677	43	534	55	6474	50
3 24-29	36	1	54	3	51	2	5	0	53	5	183	2
4 30-39	13	0	34	2	15	0	6	0	36	3	104	1
5 40-55	4	0	13	1	16	1	5	0	45	4	83	1
6 over 55	2	0	1	0	2	0	0	0	2	0	7	0
Junior												
1 18 or younger	257	8	47	3	152	5	24	2	50	3	530	5
2 20-23	2634	85	1339	82	2653	82	1000	34	1037	76	8383	84
3 24-29	163	5	151	9	210	7	10	1	108	8	642	6
4 30-39	51	2	57	3	124	4	10	1	30	6	332	3
5 40-55	22	1	51	3	83	3	18	2	87	6	261	2
6 over 55	1	0	1	0	1	0	2	0	3	0	8	0
Senior												
1 18 or younger	20	0	6	0	19	0	5	0	4	0	54	0
2 20-23	3918	83	373	64	3427	76	1368	34	334	68	10620	78
3 24-29	525	11	327	21	530	13	31	2	163	12	1633	12
4 30-39	146	3	138	9	274	6	17	1	134	10	709	5
5 40-55	89	2	78	5	184	4	26	2	122	9	439	4
6 over 55	5	0	2	0	8	0	2	0	15	1	32	0
Total												
1 18 or younger	15039	58	5140	54	10159	51	3680	53	2450	40	36528	53
2 20-23	9854	38	3439	37	7958	40	3155	45	2730	45	27256	40
3 24-29	754	3	550	6	887	4	53	1	358	5	2602	3
4 30-39	235	1	237	2	437	2	35	1	235	5	1233	2
5 40-55	124	0	148	2	239	2	53	1	275	4	839	1
6 over 55	15	0	4	0	15	0	5	0	22	0	61	0

**Variables and Variable Names**

The variables and variable names appear at the top of the tables. The name of each variable is listed in parentheses for reference to your institutional data file and the other statistics in this report.

**Class Standing**

Frequencies of responses are reported by class standing.

**Response Options**

For each background item, the response options differ, but can be viewed next to the class standing.

**Frequency**  
Count of valid cases for each response option.

**Column %**  
Percentage of valid cases for each response option.

**Table Totals**  
Frequency data are provided for the total norms database in the shaded areas of each table.

Figure 3-3. Guide to Interpreting QE Scales, Factors, and Indices

**Carnegie Category**

Factor descriptive statistics are reported for five Carnegie categories and in total.

**Factor Names**

The factor names appear at the top of the tables.

**Class Standing**

Descriptives of factors are reported by class standing.

**Table Totals**

Descriptive data are provided for the total norms database in the shaded areas of each table.

**Valid N**

The number of valid cases after cases with missing values for any loaded variable are excluded.

**Mean**

An arithmetic average of all responses on a particular item.

**Standard Deviation**

A measure of dispersion from the mean score for each item.

**Standard Error of the Mean**

A measure of how much the value of the mean may vary from sample to sample taken from the same distribution.

	DRU Ext	DRU Int	MAI & II	BA Lib	BA Gen	Table Total
<b>Factor: Library Experiences</b>						
First-Year	12164	4426	8757	3034	2231	30632
Valid N	8.03	2.12	2.03	2.22	2.01	2.06
Mean	0.56	0.53	0.57	0.55	0.54	0.57
Std Dev	0.01	0.01	0.01	0.01	0.01	0.00
S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00
Sophomore	11531	1785	3020	1352	1043	12737
Valid N	2.12	2.21	2.41	2.30	1.95	2.14
Mean	0.58	0.56	0.52	0.54	0.54	0.56
Std Dev	0.01	0.01	0.01	0.01	0.01	0.00
S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00
Junior	3277	1672	3167	1045	1406	10567
Valid N	2.15	2.24	2.12	2.44	2.02	2.17
Mean	0.59	0.57	0.53	0.58	0.60	0.58
Std Dev	0.01	0.01	0.01	0.02	0.02	0.01
S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01
Senior	4651	1436	4407	1432	1348	13334
Valid N	2.20	2.23	2.26	2.55	2.13	2.26
Mean	0.57	0.57	0.57	0.58	0.61	0.58
Std Dev	0.01	0.01	0.01	0.02	0.02	0.01
S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01
Table Total	25703	9379	19351	6863	6094	67330
Valid N	2.03	2.13	2.12	2.34	2.03	2.13
Mean	0.57	0.56	0.56	0.57	0.57	0.58
Std Dev	0.00	0.01	0.00	0.01	0.01	0.00
S.E.M.	0.00	0.01	0.00	0.01	0.01	0.00

## Effect Size

According to Elmore and Rotou (2001), “convenient as it is to note that a hypothesis is contradicted at some familiar level of significance such as 5% or 2% or 1% we do not . . . ever need to lose sight of the exact strength which the evidence has in fact reached, or to ignore the fact that with further trial it might come to be stronger or weaker” (p. 25). Researchers that work with large sample sizes know that significance tests can be problematic. This is because, as sample size increases, significance tests more easily yield statistical differences that carry little meaning. Effect size (ES), sometimes referred to as *practical* significance, estimates the *strength* of the relationship between two variables and is independent of sample size.

Effect size has received substantial press in research and methods journals, as well as in the professional disciplinary bodies in psychology and education over the last decade. At least nineteen professional journals now require the reporting of effect sizes with all bivariate correlations, t-tests, analysis of variance/covariance, and multiple regression/correlation studies (Elmore & Rotou, 2001; Thompson, 2002).

In general effect size measures belong to two families – magnitude of the mean difference ( $d$ ) and amount of variance explained ( $r$ ) (Thompson, 1996). However, only the mean difference ( $d$ ) formula applies to our purposes. Cohen (1988) defined ( $d$ ) as the difference between two means,  $M_1 - M_2$ , divided by the standard deviation of the comparison (or norm) group (see Figure 3-4). Thus the difference is expressed in standard units and can be interpreted in relative terms. Our recommendation is to use the standard deviation of the national norm group against which your local data is compared.

In practice, an effect size of .2 is considered small, .5 moderate, and .8 large (Cohen, 1988).

## Computing and Interpreting Effect Size

To calculate effect sizes between your institution’s results and the national norms, use the formula in Figure 3-4:

**Figure 3-4. Mean Difference Effect Size Formula**

$$d = \frac{M_1 - M_2}{\sigma_{\text{norm group}}}$$

where  $M_1$  is the local data mean,  $M_2$  is the norm group mean, and  $\sigma_{\text{norm group}}$  is the standard deviation of the norm group mean distribution.

For example, to compare your local QECOURSE mean ( $M_1=35.5$ ) with the norms QECOURSE mean ( $M_2=32.2$ ,  $SD=5.7$ ) the following computation applies:

$$d = \frac{35.5 - 32.2}{5.7} = .58$$

Thus, we can say that the institution has a moderately strong effect (greater than .5) on the quality of student effort toward course learning activities as compared to the national norm.

## Sampling Error and other Limitations

### *Sampling Error*

According to Salant and Dillman (1994) sampling error is a fact of life for those who conduct surveys. Sampling error occurs anytime you survey a subset (i.e., sample) of your total population and represents the random or chance difference between characteristics of the sample and those of the population.

The good news is that probability statistics allow us to estimate sampling error since it is a function of the number of students who responded to the survey ( $n$ ) and the total number of students in your population ( $N$ ) (see Figure 3-5). For example, if 60% reply “Very Often” to a particular item and the sampling error is estimated at  $\pm 5\%$  then the actual population value is very likely to be between 55% and 65%. Keep in mind that sampling error is based on the population of interest. So if you want to estimate the sampling error for first-year male students, it must be calculated using the numbers of all first-year male students and the first-year male respondents (as contrasted with all undergraduates or all male and female first-year students). Increasing the number of respondents relative to the total population reduces sampling error. The formula to calculate sampling error is as follows:

Figure 3-5: Sampling Error Formula

$$e = \sqrt{\frac{.9604(N - n)}{n(N-1)}}$$

where  $e$ =sampling error,  $N$ =population size, and  $n$ =number of respondents.

### *Measurement Error*

Measurement error occurs when, for whatever reason, a respondent gives an answer that is inaccurate or imprecise in terms of his or her correct response. All things being equal, different survey methods have the potential to elicit different responses. For example, a direct mail survey allows respondents to choose the environment and pace by which they complete the survey, and no proctor or time pressures influence the process. Administering a survey in a classroom setting implies a very different environment and process, including time, place, and social setting differences. What’s more, many surveys (like the CSEQ) are available in both on paper and online versions. It’s important to be aware of and control for measurement differences as much as possible, and then to acknowledge where limitations exist.

### *Nonresponse Error*

Nonresponse error occurs when a significant number of respondents fail to respond to the questionnaire, or to particular items on the questionnaire, **and** the characteristics of the nonrespondents differ in meaningful ways from those who responded. The second part of this definition is important. For nonresponse error to be a concern, those who did not respond must be different than those who did respond in ways that pertain to the focus of the study (Salant and Dillman, 1994).

### *CSEQ Norms Limitation*

Institutional data used to compile the national norms were not always collected from randomly selected samples on individual campuses. Rather, a variety of sampling techniques and survey methods was used, depending on institutional needs. However, as will be described in Part IV, case selection for the norms was done carefully and deliberately to minimize the effects of large numbers of cases from any one institution, and to remove any institutions with too few cases. The resulting norms data set represents a diverse and balanced spectrum of student and institutional characteristics.







Part IV:  
Norms Tables

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## Descriptive Information about Respondents

### Case Selection

Over 100,000 students have completed the College Student Experiences Questionnaire Fourth Edition since 1998. In order to ensure that the norms provide the most reliable comparison data, a set of decision rules was developed so that no one institution represents too large a portion of the data and at the same time, no institution is misrepresented by too small a contribution.

Cases to be included in the norms were selected through a multi-stage process. First, the cases were divided into a matrix, with rows representing respondents' class and columns representing institutional types. (The shaded cell in Table 4-1 will be used as an example to illustrate the case selection process.)

**Table 4-1. All Respondents to CSEQ Fourth Edition**

	Doc- Ext	Doc- Int	MA	Bac- LA	Bac- Gen	Total
FR	19299	5590	13134	3625	3264	44912
SO	7332	2500	7564	1521	1514	20431
JR	5488	2345	6649	1139	1847	17468
SR	6289	2076	9834	1899	1737	21835
Total	38408	12511	37181	8184	8362	104646

The following steps were then applied to *each cell* of the matrix:

1. A target percentage that each institution would contribute was calculated by dividing 100 by the total number of institutions contributing cases to the cell. This resulted in a percentage each school would provide to the total if all schools had an equal number of cases.
2. If an institution contributed less than one-third of the target percentage for the cell, all of that institution's cases were removed from that cell.

Example:

- First-year students from 40 Doctoral-Extensive institutions completed the survey.
  - If each institution contributed an equal percentage, all schools would have 2.5 % of the cases (100% divided by 40 = 2.5%).
  - The cell has a total of 19,299 cases (see the shaded cell in Table 4-1 above).
  - One-third of 2.5 % (.83 %), or 161 cases, is the minimum an institution should contribute to this cell.
  - 17 Doctoral-Extensive institutions had fewer than 161 cases from first-year students, so a total of 1,210 cases from those institutions were removed from the norms data.
3. The target contribution of each institution was recalculated based on the revised number of institutions represented in the cell.

4. If an institution had more than three times the target percentage of cases for the cell, cases from that institution were randomly removed to reduce the number of cases contributed by that institution to no more than three times the target percentage.

Example:

- After removing cases of institutions contributing a lower than desired number of cases, 23 institutions remain in the cell.
- If each institution contributed an equal percentage, all schools would have 4.3 % of the cases (100% divided by 23 = 4.3%).
- Three times 4.3 % (13 %) is the maximum number of cases an institution should contribute to this cell.
- After removing cases from schools not meeting the low-end threshold, 18,089 cases remain in the cell.
- 1 Doctoral-Extensive institution had 4,722 cases in this cell, more than the 13 % threshold.
- 1,953 of this institution’s 4,722 cases were randomly selected to reduce the contribution of this university to 13 % of the 14,978 total remaining cases.

**Table 4-2. Trimmed Number of Cases for Norms**

	Doc- Ext	Doc- Int	MA	Bac- LA	Bac- Gen	Total
FR	14978	5395	9812	3376	3172	36733
SO	6612	2271	5848	1428	1347	17506
JR	5001	2219	4944	1120	1812	15096
SR	5955	1909	7153	1837	1666	18520
Total	32546	11794	27757	7761	7997	87855

These steps were applied to each cell so that institutions that were not well-represented within a cell and those with an overrepresentation would not skew the data. As can be seen in Table 4-2, a total of 87,855 cases constitute the *CSEQ Fourth Edition Norms* data.

### **Student Demographics/Background Information**

The characteristics of the 87,855 students included in the *Fourth Edition Norms* are reported below. As expected, there were more female than male respondents as women have outnumbered men in undergraduate education since the early 1980s. Women in the *Norms* comprised 61% of all respondents. In contrast, the male participation rate was particularly low (about 32%) at Liberal Arts institutions and highest (about 44%) at General Colleges.

The majority of students were not married (94%), were younger than 23 years old (92%), and were enrolled full-time (93%). Interestingly, at General Colleges, Master’s, and Doctoral-Intensive institutions the age of respondents was not as young overall, with more than 10% of students reporting an age over 23 years old. Students’ marital status differed greatly between Liberal Arts students, where 98% of students reported being single, while at General Colleges only 87% reported that they were unmarried.

Three-quarters of the respondents were White/Caucasian. Other racial/ethnic groups represented in the *Norms* include: Asian/Pacific Islander (9%), Black/African American (5%), Hispanic (2%), and American Indian (1%). Approximately 3 % of students reported “Other” as their racial identification, and 3% indicated more than one race or ethnic group.

About 15% of the students were transfer students who reported not starting school at their current institution. While only 5% of respondents from Liberal Arts colleges were transfer students, higher numbers of transfer students responded from other types of institutions: Doctoral-Intensive (17%), Master’s (21%), and General Colleges (20%). One-third of respondents reported that neither of their parents graduated from college. Although 50% of students attending General Colleges reported being first-generation students, only 19% of Liberal Arts students were first-generation. Respondents planning to enroll for an advanced degree (72%) outnumbered those with no post-baccalaureate plans (28%).

Most students reported living in a dormitory or other campus housing (61%). Only 2% of respondents live in a fraternity or sorority house. The most common housing situation was living with other students (66%), followed by those that live alone (13%), or with parents (12%). Almost all students (98%) have access to a computer where they live or work.

Most students reported receiving grades of B or better in college (78%), while only 4% of respondents reported that their grades in college have been Cs or lower. The CSEQ allows for students to choose their major/majors from 23 fields of study. Business (14%), social sciences (10%), education (8%), biological and life sciences (6%), engineering (5%) accounted for the largest percentage of reported majors. However, 6% of students were majoring in fields not listed on the CSEQ, and almost 20% listed more than one major.

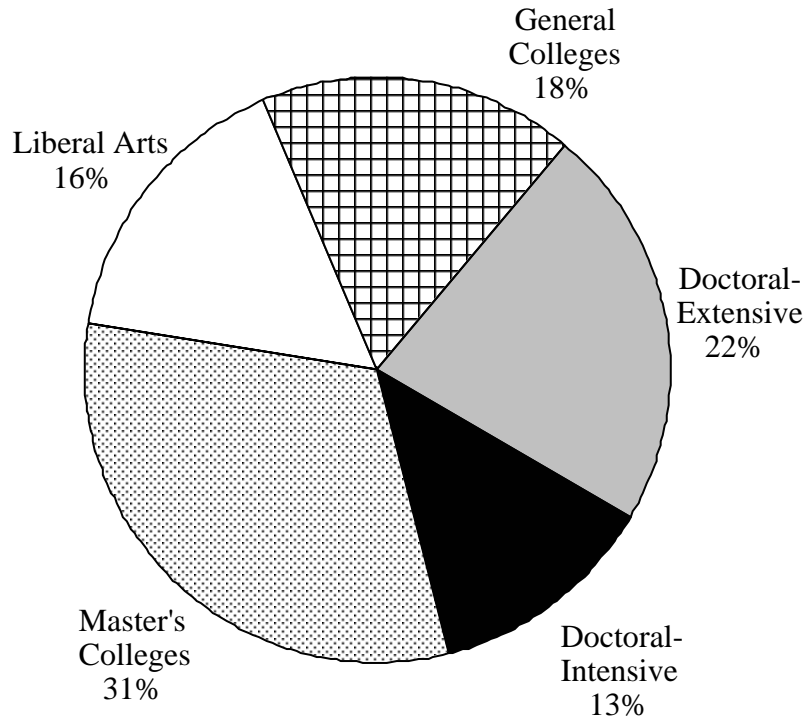
### **Institutional Background Information**

The information in this Norms Report is based on 87,855 undergraduate students from 131 colleges and universities who completed the CSEQ between 1998 and 2002 (Appendix F). These data are reported herein by a modified institutional Carnegie Classification (*Carnegie Classification of Institutions of Higher Education*, 2000). In order to equalize as much as possible the case distribution across institutional types, some Carnegie categories have been collapsed. Master’s I and Master’s II schools are reported together as Master’s Colleges (See Table 4-3).

**Table 4-3. Number of students and institutions by institutional type in the Norms**

<b>Institutional Type</b>	<b>Students</b>	<b>Institutions</b>
Doctoral-Extensive	32,546	29
Doctoral-Intensive	11,794	17
Master’s Colleges	27,757	41
Liberal Arts	7,761	21
General Colleges	7,997	23
<b>Total</b>	<b>87,855</b>	<b>131</b>

**Figure 4-1. Percent type distribution in total database**

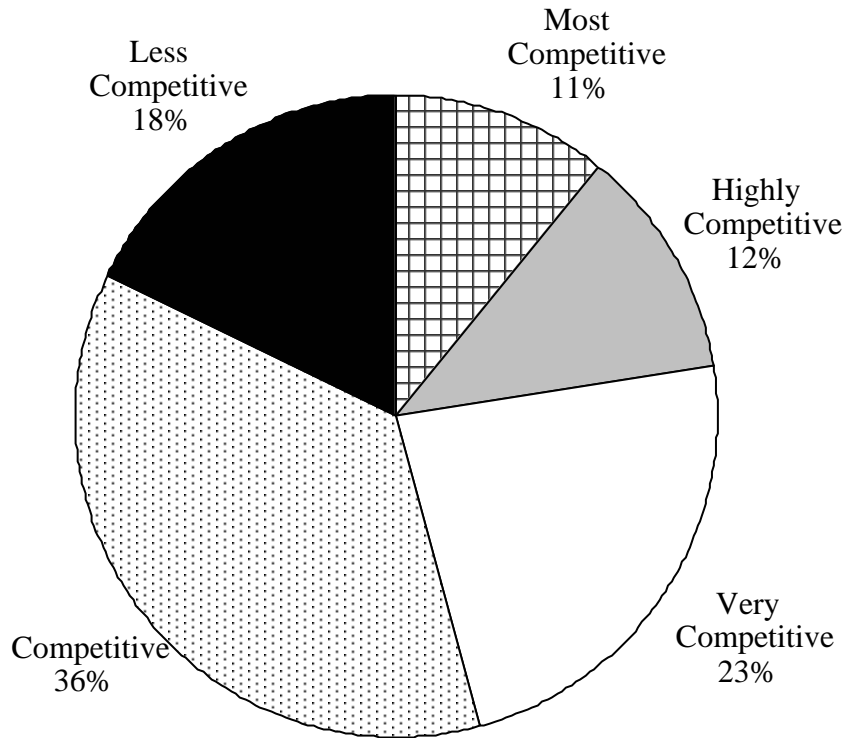


These data can also be examined and compared by institutional selectivity. Using the Barron's 2001 profiles of selectivity as another institution-level reference variable, five categories of selectivity are represented. The distribution of institutions along Barron's selectivity rankings are represented by Figure 4-2. Note: Two institutions in the database were not classified in the 2001 Barron's Profiles of American Colleges so the number of institutions represented in Figure 4-2 is 129.

**Table 4-4. Number of institutions and selectivity rankings**

Selectivity Ranking	n
Most Competitive	14
Highly Competitive	15
Very Competitive	30
Competitive	47
Less Competitive	23
<b>Total</b>	<b>129</b>

**Figure 4-2. Institutional selectivity in norms**

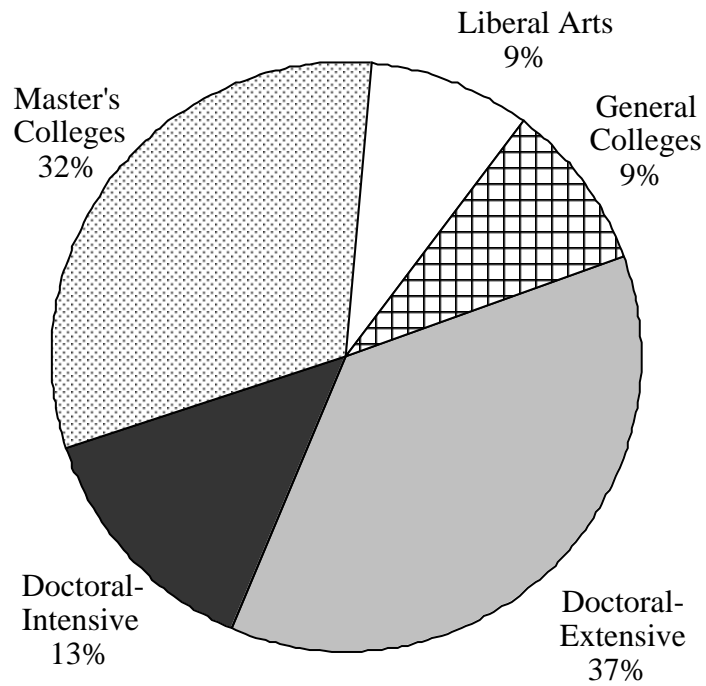


Each *Norms* Table provides descriptive information by institutional type and class standing. The overall student distribution by institutional type is described in Table 4-1 and represented in Figure 4-3. Overall, there are 36,733 first-year students (42%), 17,506 sophomores (20%), 15,096 juniors (17%), and 18,520 seniors (21%) in the *Norms*. Table 4-5 presents the number of cases in each class for all five institutional types. Figure 4-4 depicts the classification breakdown within each institutional type.

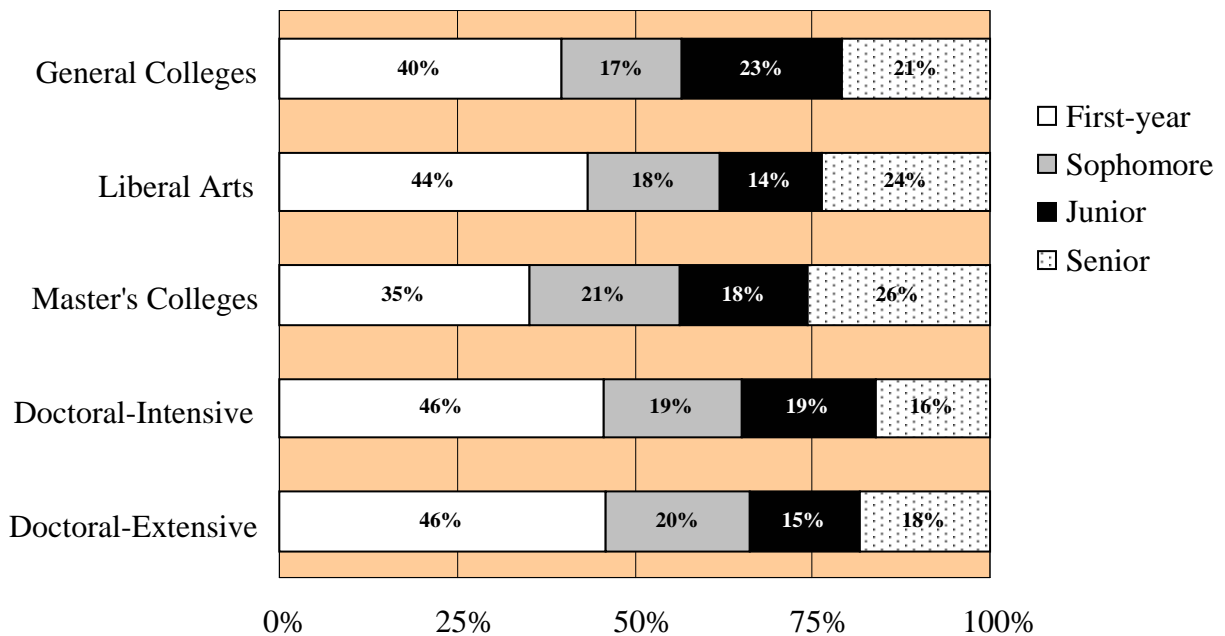
**Table 4-5. Distribution of classification by institutional type**

Type	Freshmen	Sophomores	Juniors	Seniors
Doctoral-Extensive	14,978	6,612	5,001	5,955
Doctoral-Intensive	5,395	2,271	2,219	1,909
Master's Colleges	9,812	5,848	4,944	7,153
Liberal Arts	3,376	1,425	1,120	1,837
General Colleges	3,172	1,347	1,812	1,666
<b>Total</b>	<b>36,733</b>	<b>17,506</b>	<b>15,096</b>	<b>18,520</b>

**Figure 4-3. Percent student distribution by institutional type**



**Figure 4-4. Percent college classification in each institutional type**





## **CSEQ Norms Tables**

The Tables in the following sections provide frequencies and descriptives for individual items on the CSEQ and for the scales, indices, and factors that have been developed using these items. The Tables are presented in five sections: (1) Background Items, (2) Activities, Environment, and Gains Individual Items, (3) Quality of Effort Scales, (4) Factors, and (5) Indices.

Tables are cross-tabulated by year in college (first-year, sophomore, junior, senior) and institutional type (Doctoral Extensive, Doctoral Intensive, Master's, Selective Liberal Arts, and General Liberal Arts). Thus, one can access information for all students in one class (e.g., all juniors), from one institutional type (e.g., all doctoral extensive students), or for one class at one institutional type (e.g., sophomores at selective liberal arts colleges). The lower right cells of each Table provide data for all classes at all institutional types.

The Background Items section contains frequencies of responses for student demographic information. The Activities, Environment, and Gains Individual Items section contains descriptive statistics (mean, standard deviation, standard error of the mean) and frequencies of responses for all items in these areas. The Quality of Effort section contains descriptive statistics for the 13 Quality of Effort (QE) scales. The Factors section contains descriptive statistics for the 16 activities factors, 3 environments factors, and 5 gains factors. And, finally the Indices section contains descriptive statistics for the 5 Good Practices indices.



**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Age of student (age)</b>													
First-year	19 or younger	14469	97	5137	95	9204	94	3236	96	2761	88	34807	95
	20-23	416	3	208	4	457	5	120	4	213	7	1414	4
	24-29	38	0	22	0	72	1	8	0	64	2	204	1
	30-39	26	0	15	0	39	0	4	0	63	2	147	0
	40-55	12	0	8	0	27	0	5	0	39	1	91	0
	over 55	10	0	0	0	4	0	2	0	5	0	21	0
Sophomore	19 or younger	3408	52	931	41	2585	44	707	50	396	29	8027	46
	20-23	3117	47	1214	53	3028	52	702	49	733	54	8794	50
	24-29	56	1	70	3	120	2	7	0	84	6	337	2
	30-39	17	0	40	2	58	1	7	0	58	4	180	1
	40-55	11	0	15	1	51	1	5	0	71	5	153	1
	over 55	2	0	1	0	2	0	0	0	4	0	9	0
Junior	19 or younger	377	8	71	3	211	4	26	2	58	3	743	5
	20-23	4267	85	1814	82	3999	81	1049	94	1303	72	12432	82
	24-29	241	5	192	9	385	8	12	1	174	10	1004	7
	30-39	77	2	75	3	225	5	13	1	141	8	531	4
	40-55	35	1	66	3	121	2	18	2	130	7	370	2
	over 55	2	0	1	0	1	0	2	0	5	0	11	0
Senior	19 or younger	38	1	7	0	23	0	6	0	4	0	78	0
	20-23	4931	83	1243	65	5493	77	1739	95	1028	62	14434	78
	24-29	672	11	384	20	914	13	42	2	213	13	2225	12
	30-39	196	3	179	9	410	6	18	1	213	13	1016	5
	40-55	104	2	94	5	295	4	28	2	184	11	705	4
	over 55	9	0	2	0	12	0	2	0	22	1	47	0
Total	19 or younger	18292	56	6146	52	12023	43	3975	51	3219	40	43655	50
	20-23	12731	39	4479	38	12977	47	3610	47	3277	41	37074	42
	24-29	1007	3	668	6	1491	5	69	1	535	7	3770	4
	30-39	316	1	309	3	732	3	42	1	475	6	1874	2
	40-55	162	0	183	2	494	2	56	1	424	5	1319	2
	over 55	23	0	4	0	19	0	6	0	36	0	88	0

**Sex of student (sex)**

First-year	Male	5863	39	2065	39	3380	35	1257	37	1335	43	13900	38
	Female	9039	61	3278	61	6334	65	2103	63	1775	57	22529	62
Sophomore	Male	2629	40	850	38	2169	37	363	26	603	45	6614	11
	Female	3962	60	1399	62	3617	63	1055	74	726	55	10759	17
Junior	Male	2091	42	850	39	1772	36	313	28	785	44	5811	9
	Female	2877	58	1346	61	3115	64	797	72	998	56	9133	15
Senior	Male	2441	41	711	38	2838	40	513	28	732	45	7235	12
	Female	3474	59	1162	62	4212	60	1306	72	910	55	11064	100
Total	Male	13024	40	4476	38	10159	37	2446	32	3455	44	33560	39
	Female	19352	60	7185	62	17278	63	5261	68	4409	56	53485	61

**Marital status (marital)**

First-year	Not married	14845	99	5328	99	9624	98	3346	99	2997	96	36140	99
	Married	55	0	31	1	101	1	11	0	77	2	275	1
	Divorced	22	0	13	0	31	0	7	0	40	1	113	0
	Separated	6	0	9	0	20	0	2	0	15	0	52	0
	Widowed	6	0	4	0	7	0	0	0	4	0	21	0
Sophomore	Not married	6512	99	2164	95	5619	96	1413	99	1191	88	16899	97
	Married	69	1	72	3	145	2	7	0	117	9	410	2
	Divorced	10	0	27	1	45	1	6	0	27	2	115	1
	Separated	4	0	4	0	10	0	0	0	10	1	28	0
	Widowed	1	0	1	0	8	0	0	0	1	0	11	0
Junior	Not married	4766	96	1985	90	4366	89	1081	97	1473	82	13671	91
	Married	182	4	161	7	427	9	19	2	250	14	1039	7
	Divorced	31	1	56	3	108	2	15	1	67	4	277	2
	Separated	7	0	10	0	25	1	4	0	14	1	60	0
	Widowed	3	0	3	0	6	0	0	0	3	0	15	0
Senior	Not married	5350	90	1496	79	6081	85	1765	96	1220	74	15912	86
	Married	506	9	307	16	822	12	49	3	328	20	2012	11
	Divorced	76	1	88	5	181	3	13	1	94	6	452	2
	Separated	8	0	7	0	36	1	3	0	8	0	62	0
	Widowed	4	0	1	0	12	0	3	0	8	0	28	0
Total	Not married	31473	97	10973	93	25690	93	7605	98	6881	87	82622	94
	Married	812	3	571	5	1495	5	86	1	772	10	3736	4
	Divorced	139	0	184	2	365	1	41	1	228	3	957	1
	Separated	25	0	30	0	91	0	9	0	47	1	202	0
	Widowed	14	0	9	0	33	0	3	0	16	0	75	0

**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Enter college here or transfer (enter)</b>													
First-year	Started here	14786	99	5258	98	9543	97	3336	99	3012	96	35935	98
	Transferred	165	1	129	2	254	3	38	1	127	4	713	2
Sophomore	Started here	5901	89	1859	82	5006	86	1344	94	1081	80	15191	87
	Transferred	708	11	403	18	828	14	84	6	266	20	2289	13
Junior	Started here	3956	79	1566	71	2856	58	1005	90	1150	64	10533	70
	Transferred	1038	21	649	29	2076	42	115	10	655	36	4533	30
Senior	Started here	4500	76	1085	57	4608	65	1640	89	1095	66	12928	70
	Transferred	1444	24	814	43	2534	35	194	11	565	34	5551	30
Total	Started here	29143	90	9768	83	22013	79	7325	94	6338	80	74587	85
	Transferred	3355	10	1995	17	5692	21	431	6	1613	20	13086	15

**Where live now during school (livenow)**

First-year	Dorm, other housing	13308	89	3828	71	7477	76	3227	96	2458	78	30298	83
	Residence in walking	404	3	142	3	353	4	29	1	75	2	1003	3
	Residence in driving	1033	7	1403	26	1928	20	112	3	587	19	5063	14
	Fraternity, sorority	206	1	11	0	40	0	5	0	15	0	277	1
Sophomore	Dorm, other housing	4814	73	1298	57	4004	69	1316	92	776	58	12208	70
	Residence in walking	770	12	231	10	634	11	57	4	112	8	1804	10
	Residence in driving	646	10	680	30	1145	20	44	3	429	32	2944	17
	Fraternity, sorority	375	6	58	3	53	1	9	1	29	2	524	3
Junior	Dorm, other housing	2093	42	931	42	1457	30	916	82	745	41	6142	41
	Residence in walking	1366	27	276	12	1425	29	119	11	208	12	3394	23
	Residence in driving	1270	25	903	41	1994	40	72	6	785	43	5024	33
	Fraternity, sorority	264	5	103	5	57	1	10	1	67	4	501	3
Senior	Dorm, other housing	1376	23	339	18	1498	21	1167	64	550	33	4930	27
	Residence in walking	1901	32	358	19	1718	24	356	19	205	12	4538	25
	Residence in driving	2365	40	1148	60	3860	54	267	15	861	52	8501	46
	Fraternity, sorority	300	5	57	3	55	1	44	2	39	2	495	3
Total	Dorm, other housing	21591	66	6396	54	14436	52	6626	85	4529	57	53578	61
	Residence in walking	4441	14	1007	9	4130	15	561	7	600	8	10739	12
	Residence in driving	5314	16	4134	35	8927	32	495	6	2662	34	21532	25
	Fraternity, sorority	1145	4	229	2	205	1	68	1	150	2	1797	2

**Live with: no one (livalon)**

First-year	No	13215	89	5018	94	9037	93	2992	90	2861	92	33123	91
	Yes	1599	11	294	6	669	7	349	10	245	8	3156	9
Sophomore	No	5349	82	2008	92	5079	88	1107	79	1153	86	14696	85
	Yes	1190	18	176	8	711	12	292	21	183	14	2552	15
Junior	No	3916	79	1832	87	4166	86	743	68	1548	86	12205	82
	Yes	1039	21	272	13	684	14	350	32	255	14	2600	18
Senior	No	4781	81	1591	90	6107	87	1281	71	1377	84	15137	83
	Yes	1112	19	174	10	936	13	512	29	267	16	3001	17
Total	No	27261	85	10449	92	24389	89	6123	80	6939	88	75161	87
	Yes	4940	15	916	8	3000	11	1503	20	950	12	11309	13

**Live with: other students (livstu)**

First-year	No	2725	18	1730	33	2700	28	525	16	913	29	8593	24
	Yes	12089	82	3582	67	7006	72	2816	84	2193	71	27686	76
Sophomore	No	1689	26	740	34	1637	28	352	25	614	46	5032	29
	Yes	4850	74	1444	66	4153	72	1047	75	722	54	12216	71
Junior	No	1931	39	914	43	2165	45	440	40	963	53	6413	43
	Yes	3024	61	1190	57	2685	55	653	60	840	47	8392	57
Senior	No	2619	44	1042	59	3327	47	674	38	1002	61	8664	48
	Yes	3274	56	723	41	3716	53	1119	62	642	39	9474	52
Total	No	8964	28	4426	39	9829	36	1991	26	3492	44	28702	33
	Yes	23237	72	6939	61	17560	64	5635	74	4397	56	57768	67

**Live with: spouse or partner (livspou)**

First-year	No	14736	99	5256	99	9530	98	3329	100	3007	97	35858	99
	Yes	78	1	56	1	176	2	12	0	99	3	421	1
Sophomore	No	6423	98	2077	95	5565	96	1386	99	1197	90	16648	97
	Yes	116	2	107	5	225	4	13	1	139	10	600	3
Junior	No	4686	95	1889	90	4241	87	1051	96	1512	84	13379	90
	Yes	269	5	215	10	609	13	42	4	291	16	1426	10
Senior	No	5211	88	1366	77	5973	85	1718	96	1274	77	15542	86
	Yes	682	12	399	23	1070	15	75	4	370	23	2596	14
Total	No	31056	96	10588	93	25309	92	7484	98	6990	89	81427	94
	Yes	1145	4	777	7	2080	8	142	2	899	11	5043	6

**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Live with: my child (livchil)</b>													
First-year	No	14776	100	5284	99	9613	99	3337	100	2999	97	36009	99
	Yes	38	0	28	1	93	1	4	0	107	3	270	1
Sophomore	No	6516	100	2133	98	5667	98	1394	100	1242	93	16952	98
	Yes	23	0	51	2	123	2	5	0	94	7	296	2
Junior	No	4883	99	1996	95	4540	94	1073	98	1642	91	14134	95
	Yes	72	1	108	5	310	6	20	2	161	9	671	5
Senior	No	5690	97	1615	92	6556	93	1765	98	1438	87	17064	94
	Yes	203	3	150	8	487	7	28	2	206	13	1074	6
Total	No	31865	99	11028	97	26376	96	7569	99	7321	93	84159	97
	Yes	336	1	337	3	1013	4	57	1	568	7	2311	3
<b>Live with: my parents (livpare)</b>													
First-year	No	13806	93	3987	75	7982	82	3178	95	2610	84	31563	87
	Yes	1008	7	1325	25	1724	18	163	5	496	16	4716	13
Sophomore	No	6225	95	1822	83	5228	90	1346	96	1099	82	15720	91
	Yes	314	5	362	17	562	10	53	4	237	18	1528	9
Junior	No	4497	91	1834	87	4269	88	1057	97	1505	83	13162	89
	Yes	458	9	270	13	581	12	36	3	298	17	1643	11
Senior	No	5285	90	1446	82	6182	88	1749	98	1412	86	16074	89
	Yes	608	10	319	18	861	12	44	2	232	14	2064	11
Total	No	29813	93	9089	80	23661	86	7330	96	6626	84	76519	88
	Yes	2388	7	2276	20	3728	14	296	4	1263	16	9951	12
<b>Live with: other relatives (livrel)</b>													
First-year	No	14695	99	5223	98	9528	98	3321	99	3049	98	35816	99
	Yes	119	1	89	2	178	2	20	1	57	2	463	1
Sophomore	No	6460	99	2135	98	5725	99	1393	100	1301	97	17014	99
	Yes	79	1	49	2	65	1	6	0	35	3	234	1
Junior	No	4851	98	2054	98	4750	98	1083	99	1767	98	14505	98
	Yes	104	2	50	2	100	2	10	1	36	2	300	2
Senior	No	5740	97	1708	97	6925	98	1782	99	1609	98	17764	98
	Yes	153	3	57	3	118	2	11	1	35	2	374	2
Total	No	31746	99	11120	98	26928	98	7579	99	7726	98	85099	98
	Yes	455	1	245	2	461	2	47	1	163	2	1371	2
<b>Live with: friends not students here (livnots)</b>													
First-year	No	14750	100	5274	99	9624	99	3333	100	3087	99	36068	99
	Yes	64	0	38	1	82	1	8	0	19	1	211	1
Sophomore	No	6455	99	2139	98	5705	99	1393	100	1326	99	17018	99
	Yes	84	1	45	2	85	1	6	0	10	1	230	1
Junior	No	4795	97	2025	96	4696	97	1082	99	1774	98	14372	97
	Yes	160	3	79	4	154	3	11	1	29	2	433	3
Senior	No	5634	96	1673	95	6775	96	1742	97	1614	98	17438	96
	Yes	259	4	92	5	268	4	51	3	30	2	700	4
Total	No	31634	98	11111	98	26800	98	7550	99	7801	99	84896	98
	Yes	567	2	254	2	589	2	76	1	88	1	1574	2
<b>Live with: others (livothr)</b>													
First-year	No	14697	99	5267	99	9595	99	3320	99	3070	99	35949	99
	Yes	117	1	45	1	111	1	21	1	36	1	330	1
Sophomore	No	6466	99	2138	98	5729	99	1391	99	1323	99	17047	99
	Yes	73	1	46	2	61	1	8	1	13	1	201	1
Junior	No	4868	98	2055	98	4781	99	1080	99	1773	98	14557	98
	Yes	87	2	49	2	69	1	13	1	30	2	248	2
Senior	No	5782	98	1728	98	6938	99	1778	99	1614	98	17840	98
	Yes	111	2	37	2	105	1	15	1	30	2	298	2
Total	No	31813	99	11188	98	27043	99	7569	99	7780	99	85393	99
	Yes	388	1	177	2	346	1	57	1	109	1	1077	1

**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>With Whom Student Lives (living)</b>													
First-year	Alone	1584	11	294	6	652	7	346	10	239	8	3115	9
	One or More Other Students	11890	80	3503	66	6835	70	2778	83	2137	69	27143	75
	Spouse or Partner	43	0	39	1	112	1	7	0	47	2	248	1
	Child or Children	17	0	11	0	38	0	4	0	50	2	120	0
	Parents	829	6	1226	23	1520	16	130	4	424	14	4129	11
	Other Relative	61	0	48	1	109	1	11	0	37	1	266	1
	Friends Who are Not Students Here	35	0	27	1	56	1	1	0	16	1	135	0
	Other	85	1	25	0	82	1	17	1	20	1	229	1
	Checked Two	245	2	123	2	274	3	42	1	126	4	810	2
	Checked More Than Two	25	0	16	0	28	0	5	0	10	0	84	0
Sophomore	Alone	1190	18	174	8	705	12	292	21	182	14	2543	15
	One or More Other Students	4721	72	1409	65	4061	70	1026	73	697	52	11914	69
	Spouse or Partner	75	1	71	3	152	3	7	1	87	7	392	2
	Child or Children	5	0	15	1	58	1	1	0	38	3	117	1
	Parents	245	4	324	15	494	9	35	3	208	16	1306	8
	Other Relative	45	1	34	2	40	1	1	0	20	1	140	1
	Friends Who are Not Students Here	44	1	35	2	63	1	3	0	8	1	153	1
	Other	40	1	33	2	39	1	6	0	10	1	128	1
	Checked Two	159	2	83	4	162	3	26	2	75	6	505	3
	Checked More Than Two	15	0	6	0	16	0	2	0	11	1	50	0
Junior	Alone	1037	21	271	13	684	14	350	32	254	14	2596	18
	One or More Other Students	2911	59	1148	55	2585	53	633	58	816	45	8093	55
	Spouse or Partner	186	4	141	7	402	8	22	2	197	11	948	6
	Child or Children	12	0	43	2	108	2	8	1	64	4	235	2
	Parents	368	7	247	12	529	11	25	2	273	15	1442	10
	Other Relative	56	1	41	2	68	1	5	0	28	2	198	1
	Friends Who are Not Students Here	97	2	58	3	104	2	8	1	23	1	290	2
	Other	52	1	37	2	50	1	7	1	18	1	164	1
	Checked Two	214	4	107	5	300	6	29	3	123	7	773	5
	Checked More Than Two	22	0	11	1	20	0	6	1	7	0	66	0
Senior	Alone	1109	19	174	10	935	13	512	29	267	16	2997	17
	One or More Other Students	3060	52	680	39	3594	51	1084	60	624	38	9042	50
	Spouse or Partner	450	8	277	16	718	10	43	2	239	15	1727	10
	Child or Children	41	1	38	2	169	2	10	1	74	5	332	2
	Parents	502	9	289	16	770	11	35	2	209	13	1805	10
	Other Relative	66	1	37	2	84	1	6	0	28	2	221	1
	Friends Who are Not Students Here	140	2	75	4	208	3	34	2	23	1	480	3
	Other	65	1	22	1	79	1	12	1	22	1	200	1
	Checked Two	414	7	162	9	456	6	52	3	149	9	1233	7
	Checked More Than Two	46	1	11	1	30	0	5	0	9	1	101	1
Total	Alone	4920	15	913	8	2976	11	1500	20	942	12	11251	13
	One or More Other Students	22582	70	6740	59	17075	62	5521	72	4274	54	56192	65
	Spouse or Partner	754	2	528	5	1384	5	79	1	570	7	3315	4
	Child or Children	75	0	107	1	373	1	23	0	226	3	804	1
	Parents	1944	6	2086	18	3313	12	225	3	1114	14	8682	10
	Other Relative	228	1	160	1	301	1	23	0	113	1	825	1
	Friends Who are Not Students Here	316	1	195	2	431	2	46	1	70	1	1058	1
	Other	242	1	117	1	250	1	42	1	70	1	721	1
	Checked Two	1032	3	475	4	1192	4	149	2	473	6	3321	4
	Checked More Than Two	108	0	44	0	94	0	18	0	37	0	301	0

**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Access to a computer (compacc)</b>													
First-year	Yes	14841	99	5308	99	9621	98	3352	99	3054	97	36176	99
	No	115	1	80	1	176	2	21	1	82	3	474	1
Sophomore	Yes	6545	99	2197	97	5690	97	1421	100	1296	97	17149	98
	No	62	1	69	3	150	3	6	0	47	3	334	2
Junior	Yes	4907	98	2139	96	4749	96	1104	99	1753	97	14652	97
	No	84	2	78	4	187	4	13	1	57	3	419	3
Senior	Yes	5751	97	1819	95	6833	96	1803	98	1598	96	17804	96
	No	197	3	87	5	310	4	34	2	65	4	693	4
Total	Yes	32044	99	11463	97	26893	97	7680	99	7701	97	85781	98
	No	458	1	314	3	823	3	74	1	251	3	1920	2

**Grades at this college (grades)**

First-year	C, C-, or lower	698	5	403	8	586	6	162	5	188	6	2037	6
	B-, C+	2386	16	1229	23	2186	22	550	17	661	21	7012	19
	B	3972	27	1535	29	2541	26	913	28	824	27	9785	27
	A-, B+	5309	36	1632	30	3124	32	1239	38	1065	34	12369	34
	A	2540	17	555	10	1308	13	415	13	364	12	5182	14
Sophomore	C, C-, or lower	229	3	109	5	230	4	12	1	73	5	653	4
	B-, C+	1017	15	528	23	1271	22	85	6	302	23	3203	18
	B	1780	27	646	29	1637	28	341	24	323	24	4727	27
	A-, B+	2482	38	729	32	1879	32	793	56	444	33	6327	36
	A	1083	16	240	11	795	14	192	13	192	14	2502	14
Junior	C, C-, or lower	145	3	78	4	170	3	2	0	43	2	438	3
	B-, C+	761	15	482	22	1016	21	73	7	359	20	2691	18
	B	1260	25	623	28	1272	26	260	23	443	25	3858	26
	A-, B+	1838	37	725	33	1696	35	618	56	612	34	5489	37
	A	974	20	298	14	760	15	159	14	339	19	2530	17
Senior	C, C-, or lower	141	2	25	1	106	1	14	1	36	2	322	2
	B-, C+	904	15	284	15	1192	17	118	6	288	17	2786	15
	B	1504	25	501	26	1844	26	360	20	385	23	4594	25
	A-, B+	2220	37	750	39	2664	38	1007	55	615	37	7256	39
	A	1161	20	339	18	1297	18	337	18	325	20	3459	19
Total	C, C-, or lower	1213	4	615	5	1092	4	190	2	340	4	3450	4
	B-, C+	5068	16	2523	22	5665	21	826	11	1610	20	15692	18
	B	8516	26	3305	28	7294	26	1874	24	1975	25	22964	26
	A-, B+	11849	37	3836	33	9363	34	3657	48	2736	35	31441	36
	A	5758	18	1432	12	4160	15	1103	14	1220	15	13673	16

**Major: Agriculture (maagri)**

First-year	No	14590	98	5344	100	9631	99	3342	99	3115	100	36022	99
	Yes	312	2	12	0	106	1	20	1	2	0	452	1
Sophomore	No	6460	98	2251	100	5750	99	1422	100	1330	100	17213	99
	Yes	120	2	4	0	57	1	1	0	4	0	186	1
Junior	No	4895	98	2206	100	4870	99	1112	100	1798	100	14881	99
	Yes	87	2	3	0	25	1	2	0	1	0	118	1
Senior	No	5824	98	1893	100	7050	100	1830	100	1644	100	18241	99
	Yes	92	2	0	0	34	0	0	0	4	0	130	1
Total	No	31769	98	11694	100	27301	99	7706	100	7887	100	86357	99
	Yes	611	2	19	0	222	1	23	0	11	0	886	1

**Major: Biological or life sciences (mabiol)**

First-year	No	12963	87	4931	92	9058	93	2919	87	2864	92	32735	90
	Yes	1939	13	425	8	679	7	443	13	253	8	3739	10
Sophomore	No	5536	84	2078	92	5445	94	1243	87	1264	95	15566	89
	Yes	1044	16	177	8	362	6	180	13	70	5	1833	11
Junior	No	4351	87	2054	93	4644	95	948	85	1685	94	13682	91
	Yes	631	13	155	7	251	5	166	15	114	6	1317	9
Senior	No	5178	88	1782	94	6615	93	1601	87	1558	95	16734	91
	Yes	738	12	111	6	469	7	229	13	90	5	1637	9
Total	No	28028	87	10845	93	25762	94	6711	87	7371	93	78717	90
	Yes	4352	13	868	7	1761	6	1018	13	527	7	8526	10

**Major: Business (mabusi)**

First-year	No	12038	81	4366	82	7886	81	2952	88	2431	78	29673	81
	Yes	2864	19	990	18	1851	19	410	12	686	22	6801	19
Sophomore	No	5672	86	1858	82	4575	79	1374	97	1003	75	14482	83
	Yes	908	14	397	18	1232	21	49	3	331	25	2917	17
Junior	No	4192	84	1830	83	3947	81	1068	96	1368	76	12405	83
	Yes	790	16	379	17	948	19	46	4	431	24	2594	17
Senior	No	5067	86	1591	84	5280	75	1648	90	1200	73	14786	80
	Yes	849	14	302	16	1804	25	182	10	448	27	3585	20
Total	No	26969	83	9645	82	21688	79	7042	91	6002	76	71346	82
	Yes	5411	17	2068	18	5835	21	687	9	1896	24	15897	18

**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Major: Communications (macomm)</b>													
	No	13698	92	4980	93	9205	95	3129	93	2947	95	33959	93
	Yes	1204	8	376	7	532	5	233	7	170	5	2515	7
Sophomore	No	6213	94	2051	91	5348	92	1401	98	1269	95	16282	94
	Yes	367	6	204	9	459	8	22	2	65	5	1117	6
Junior	No	4693	94	2026	92	4565	93	1100	99	1710	95	14094	94
	Yes	289	6	183	8	330	7	14	1	89	5	905	6
Senior	No	5601	95	1813	96	6623	93	1789	98	1582	96	17408	95
	Yes	315	5	80	4	461	7	41	2	66	4	963	5
Total	No	30205	93	10870	93	25741	94	7419	96	7508	95	81743	94
	Yes	2175	7	843	7	1782	6	310	4	390	5	5500	6

<b>Major: Computer and information sciences (macomp)</b>													
First-year	No	14106	95	5049	94	9191	94	3163	94	2947	95	34456	94
	Yes	796	5	307	6	546	6	199	6	170	5	2018	6
Sophomore	No	6107	93	2140	95	5513	95	1349	95	1209	91	16318	94
	Yes	473	7	115	5	294	5	74	5	125	9	1081	6
Junior	No	4593	92	2114	96	4692	96	1064	96	1685	94	14148	94
	Yes	389	8	95	4	203	4	50	4	114	6	851	6
Senior	No	5417	92	1795	95	6697	95	1761	96	1520	92	17190	94
	Yes	499	8	98	5	387	5	69	4	128	8	1181	6
Total	No	30223	93	11098	95	26093	95	7337	95	7361	93	82112	94
	Yes	2157	7	615	5	1430	5	392	5	537	7	5131	6

<b>Major: Education (maeduc)</b>													
First-year	No	13914	93	4638	87	8136	84	3064	91	2544	82	32296	89
	Yes	988	7	718	13	1601	16	298	9	573	18	4178	11
Sophomore	No	6216	94	1972	87	4727	81	1368	96	1120	84	15403	89
	Yes	364	6	283	13	1080	19	55	4	214	16	1996	11
Junior	No	4700	94	1955	89	3822	78	1061	95	1570	87	13108	87
	Yes	282	6	254	11	1073	22	53	5	229	13	1891	13
Senior	No	5474	93	1569	83	6249	88	1725	94	1408	85	16425	89
	Yes	442	7	324	17	835	12	105	6	240	15	1946	11
Total	No	30304	94	10134	87	22934	83	7218	93	6642	84	77232	89
	Yes	2076	6	1579	13	4589	17	511	7	1256	16	10011	11

<b>Major: Engineering (maengi)</b>													
First-year	No	13242	89	5108	95	9507	98	3298	98	2807	90	33962	93
	Yes	1660	11	248	5	230	2	64	2	310	10	2512	7
Sophomore	No	5782	88	2196	97	5604	97	1408	99	1113	83	16103	93
	Yes	798	12	59	3	203	3	15	1	221	17	1296	7
Junior	No	4456	89	2156	98	4783	98	1101	99	1554	86	14050	94
	Yes	526	11	53	2	112	2	13	1	245	14	949	6
Senior	No	5342	90	1796	95	6845	97	1815	99	1437	87	17235	94
	Yes	574	10	97	5	239	3	15	1	211	13	1136	6
Total	No	28822	89	11256	96	26739	97	7622	99	6911	88	81350	93
	Yes	3558	11	457	4	784	3	107	1	987	12	5893	7

<b>Major: Ethnic, cultural, area studies (macult)</b>													
First-year	No	14709	99	5317	99	9698	100	3280	98	3105	100	36109	99
	Yes	193	1	39	1	39	0	82	2	12	0	365	1
Sophomore	No	6461	98	2237	99	5788	100	1346	95	1329	100	17161	99
	Yes	119	2	18	1	19	0	77	5	5	0	238	1
Junior	No	4896	98	2191	99	4874	100	1078	97	1787	99	14826	99
	Yes	86	2	18	1	21	0	36	3	12	1	173	1
Senior	No	5807	98	1880	99	7060	100	1777	97	1644	100	18168	99
	Yes	109	2	13	1	24	0	53	3	4	0	203	1
Total	No	31873	98	11625	99	27420	100	7481	97	7865	100	86264	99
	Yes	507	2	88	1	103	0	248	3	33	0	979	1

<b>Major: Foreign languages and literature (maflan)</b>													
First-year	No	14398	97	5208	97	9577	98	3152	94	3057	98	35392	97
	Yes	504	3	148	3	160	2	210	6	60	2	1082	3
Sophomore	No	6327	96	2187	97	5681	98	1322	93	1319	99	16836	97
	Yes	253	4	68	3	126	2	101	7	15	1	563	3
Junior	No	4776	96	2132	97	4829	99	1060	95	1783	99	14580	97
	Yes	206	4	77	3	66	1	54	5	16	1	419	3
Senior	No	5696	96	1849	98	6971	98	1683	92	1640	100	17839	97
	Yes	220	4	44	2	113	2	147	8	8	0	532	3
Total	No	31197	96	11376	97	27058	98	7217	93	7799	99	84647	97
	Yes	1183	4	337	3	465	2	512	7	99	1	2596	3



**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Major: Health-related fields (maheal)</b>													
First-year	No	14125	95	4936	92	8739	90	3230	96	2988	96	34018	93
	Yes	777	5	420	8	998	10	132	4	129	4	2456	7
Sophomore	No	6244	95	2086	93	5347	92	1401	98	1284	96	16362	94
	Yes	336	5	169	7	460	8	22	2	50	4	1037	6
Junior	No	4707	94	2040	92	4595	94	1098	99	1725	96	14165	94
	Yes	275	6	169	8	300	6	16	1	74	4	834	6
Senior	No	5581	94	1714	91	6591	93	1813	99	1493	91	17192	94
	Yes	335	6	179	9	493	7	17	1	155	9	1179	6
Total	No	30657	95	10776	92	25272	92	7542	98	7490	95	81737	94
	Yes	1723	5	937	8	2251	8	187	2	408	5	5506	6

**Major: History (mahist)**

First-year	No	14514	97	5232	98	9575	98	3165	94	3040	98	35526	97
	Yes	388	3	124	2	162	2	197	6	77	2	948	3
Sophomore	No	6345	96	2188	97	5677	98	1311	92	1310	98	16831	97
	Yes	235	4	67	3	130	2	112	8	24	2	568	3
Junior	No	4820	97	2136	97	4782	98	1039	93	1748	97	14525	97
	Yes	162	3	73	3	113	2	75	7	51	3	474	3
Senior	No	5717	97	1840	97	6941	98	1698	93	1608	98	17804	97
	Yes	199	3	53	3	143	2	132	7	40	2	567	3
Total	No	31396	97	11396	97	26975	98	7213	93	7706	98	84686	97
	Yes	984	3	317	3	548	2	516	7	192	2	2557	3

**Major: Humanities (mahuma)**

First-year	No	14083	95	5133	96	9471	97	2945	88	3011	97	34643	95
	Yes	819	5	223	4	266	3	417	12	106	3	1831	5
Sophomore	No	6103	93	2132	95	5597	96	1158	81	1302	98	16292	94
	Yes	477	7	123	5	210	4	265	19	32	2	1107	6
Junior	No	4650	93	2067	94	4704	96	909	82	1729	96	14059	94
	Yes	332	7	142	6	191	4	205	18	70	4	940	6
Senior	No	5424	92	1797	95	6754	95	1524	83	1573	95	17072	93
	Yes	492	8	96	5	330	5	306	17	75	5	1299	7
Total	No	30260	93	11129	95	26526	96	6536	85	7615	96	82066	94
	Yes	2120	7	584	5	997	4	1193	15	283	4	5177	6

**Major: Liberal or general studies (malibe)**

First-year	No	14680	99	5298	99	9610	99	3282	98	3091	99	35961	99
	Yes	222	1	58	1	127	1	80	2	26	1	513	1
Sophomore	No	6482	99	2225	99	5771	99	1397	98	1323	99	17198	99
	Yes	98	1	30	1	36	1	26	2	11	1	201	1
Junior	No	4914	99	2175	98	4814	98	1098	99	1791	100	14792	99
	Yes	68	1	34	2	81	2	16	1	8	0	207	1
Senior	No	5829	99	1860	98	6883	97	1804	99	1640	100	18016	98
	Yes	87	1	33	2	201	3	26	1	8	0	355	2
Total	No	31905	99	11558	99	27078	98	7581	98	7845	99	85967	99
	Yes	475	1	155	1	445	2	148	2	53	1	1276	1

**Major: Mathematics (mamath)**

First-year	No	14511	97	5245	98	9548	98	3209	95	3025	97	35538	97
	Yes	391	3	111	2	189	2	153	5	92	3	936	3
Sophomore	No	6357	97	2225	99	5689	98	1345	95	1309	98	16925	97
	Yes	223	3	30	1	118	2	78	5	25	2	474	3
Junior	No	4829	97	2171	98	4802	98	1080	97	1760	98	14642	98
	Yes	153	3	38	2	93	2	34	3	39	2	357	2
Senior	No	5761	97	1870	99	6990	99	1758	96	1614	98	17993	98
	Yes	155	3	23	1	94	1	72	4	34	2	378	2
Total	No	31458	97	11511	98	27029	98	7392	96	7708	98	85098	98
	Yes	922	3	202	2	494	2	337	4	190	2	2145	2

**Major: Multi/interdisciplinary studies (mamult)**

First-year	No	14604	98	5303	99	9701	100	3260	97	3100	99	35968	99
	Yes	298	2	53	1	36	0	102	3	17	1	506	1
Sophomore	No	6423	98	2236	99	5772	99	1345	95	1332	100	17108	98
	Yes	157	2	19	1	35	1	78	5	2	0	291	2
Junior	No	4862	98	2181	99	4860	99	1071	96	1789	99	14763	98
	Yes	120	2	28	1	35	1	43	4	10	1	236	2
Senior	No	5812	98	1865	99	7036	99	1766	97	1645	100	18124	99
	Yes	104	2	28	1	48	1	64	3	3	0	247	1
Total	No	31701	98	11585	99	27369	99	7442	96	7866	100	85963	99
	Yes	679	2	128	1	154	1	287	4	32	0	1280	1

**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Major: Recreation or sports management (marecr)</b>													
First-year	No	14752	99	5318	99	9657	99	3342	99	3095	99	36164	99
	Yes	150	1	38	1	80	1	20	1	22	1	310	1
Sophomore	No	6537	99	2240	99	5730	99	1420	100	1329	100	17256	99
	Yes	43	1	15	1	77	1	3	0	5	0	143	1
Junior	No	4952	99	2189	99	4852	99	1113	100	1788	99	14894	99
	Yes	30	1	20	1	43	1	1	0	11	1	105	1
Senior	No	5845	99	1878	99	7015	99	1829	100	1644	100	18211	99
	Yes	71	1	15	1	69	1	1	0	4	0	160	1
Total	No	32086	99	11625	99	27254	99	7704	100	7856	99	86525	99
	Yes	294	1	88	1	269	1	25	0	42	1	718	1

**Major: Physical sciences (maphys)**

First-year	No	14394	97	5230	98	9564	98	3171	94	3087	99	35446	97
	Yes	508	3	126	2	173	2	191	6	30	1	1028	3
Sophomore	No	6314	96	2185	97	5668	98	1310	92	1317	99	16794	97
	Yes	266	4	70	3	139	2	113	8	17	1	605	3
Junior	No	4794	96	2143	97	4804	98	1046	94	1771	98	14558	97
	Yes	188	4	66	3	91	2	68	6	28	2	441	3
Senior	No	5677	96	1850	98	6942	98	1712	94	1633	99	17814	97
	Yes	239	4	43	2	142	2	118	6	15	1	557	3
Total	No	31179	96	11408	97	26978	98	7239	94	7808	99	84612	97
	Yes	1201	4	305	3	545	2	490	6	90	1	2631	3

**Major: Pre-professional (maprep)**

First-year	No	13640	92	5058	94	9223	95	3113	93	2956	95	33990	93
	Yes	1262	8	298	6	514	5	249	7	161	5	2484	7
Sophomore	No	6077	92	2143	95	5567	96	1353	95	1293	97	16433	94
	Yes	503	8	112	5	240	4	70	5	41	3	966	6
Junior	No	4716	95	2111	96	4791	98	1051	94	1743	97	14412	96
	Yes	266	5	98	4	104	2	63	6	56	3	587	4
Senior	No	5683	96	1849	98	6952	98	1784	97	1625	99	17893	97
	Yes	233	4	44	2	132	2	46	3	23	1	478	3
Total	No	30116	93	11161	95	26533	96	7301	94	7617	96	82728	95
	Yes	2264	7	552	5	990	4	428	6	281	4	4515	5

**Major: Public administration (mapubl)**

First-year	No	14768	99	5279	99	9533	98	3353	100	3036	97	35969	99
	Yes	134	1	77	1	204	2	9	0	81	3	505	1
Sophomore	No	6514	99	2225	99	5708	98	1417	100	1298	97	17162	99
	Yes	66	1	30	1	99	2	6	0	36	3	237	1
Junior	No	4932	99	2170	98	4788	98	1111	100	1686	94	14687	98
	Yes	50	1	39	2	107	2	3	0	113	6	312	2
Senior	No	5858	99	1867	99	6923	98	1826	100	1588	96	18062	98
	Yes	58	1	26	1	161	2	4	0	60	4	309	2
Total	No	32072	99	11541	99	26952	98	7707	100	7608	96	85880	98
	Yes	308	1	172	1	571	2	22	0	290	4	1363	2

**Major: Social sciences (masoci)**

First-year	No	13011	87	4567	85	8768	90	2643	79	2775	89	31764	87
	Yes	1891	13	789	15	969	10	719	21	342	11	4710	13
Sophomore	No	5347	81	1908	85	5124	88	934	66	1212	91	14525	83
	Yes	1233	19	347	15	683	12	489	34	122	9	2874	17
Junior	No	4048	81	1819	82	4249	87	734	66	1580	88	12430	83
	Yes	934	19	390	18	646	13	380	34	219	12	2569	17
Senior	No	4854	82	1613	85	6156	87	1255	69	1514	92	15392	84
	Yes	1062	18	280	15	928	13	575	31	134	8	2979	16
Total	No	27260	84	9907	85	24297	88	5566	72	7081	90	74111	85
	Yes	5120	16	1806	15	3226	12	2163	28	817	10	13132	15

**Major: Visual and performing arts (maarts)**

First-year	No	14190	95	5116	96	9151	94	3094	92	3027	97	34578	95
	Yes	712	5	240	4	586	6	268	8	90	3	1896	5
Sophomore	No	6287	96	2148	95	5537	95	1286	90	1296	97	16554	95
	Yes	293	4	107	5	270	5	137	10	38	3	845	5
Junior	No	4732	95	2107	95	4744	97	1000	90	1741	97	14324	95
	Yes	250	5	102	5	151	3	114	10	58	3	675	5
Senior	No	5652	96	1818	96	6732	95	1682	92	1602	97	17486	95
	Yes	264	4	75	4	352	5	148	8	46	3	885	5
Total	No	30861	95	11189	96	26164	95	7062	91	7666	97	82942	95
	Yes	1519	5	524	4	1359	5	667	9	232	3	4301	5

**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Major: Undecided (maunde)</b>													
First-year	No	13712	92	4771	89	8799	90	2941	87	2931	94	33154	91
	Yes	1190	8	585	11	938	10	421	13	186	6	3320	9
Sophomore	No	6452	98	2185	97	5632	97	1406	99	1327	99	17002	98
	Yes	128	2	70	3	175	3	17	1	7	1	397	2
Junior	No	4956	99	2201	100	4879	100	1114	100	1794	100	14944	100
	Yes	26	1	8	0	16	0	0	0	5	0	55	0
Senior	No	5910	100	1891	100	7080	100	1828	100	1648	100	18357	100
	Yes	6	0	2	0	4	0	2	0	0	0	14	0
Total	No	31030	96	11048	94	26390	96	7289	94	7700	97	83457	96
	Yes	1350	4	665	6	1133	4	440	6	198	3	3786	4
<b>Major: Other (maothr)</b>													
First-year	No	13845	93	5025	94	9220	95	3200	95	2983	96	34273	94
	Yes	1057	7	331	6	517	5	162	5	134	4	2201	6
Sophomore	No	6065	92	2006	89	5432	94	1311	92	1258	94	16072	92
	Yes	515	8	249	11	375	6	112	8	76	6	1327	8
Junior	No	4588	92	1941	88	4146	85	1017	91	1693	94	13385	89
	Yes	394	8	268	12	749	15	97	9	106	6	1614	11
Senior	No	5468	92	1630	86	6261	88	1711	93	1567	95	16637	91
	Yes	448	8	263	14	823	12	119	7	81	5	1734	9
Total	No	29966	93	10602	91	25059	91	7239	94	7501	95	80367	92
	Yes	2414	7	1111	9	2464	9	490	6	397	5	6876	8
<b>Major Fields (major)</b>													
First-year	Agriculture	192	1	7	0	77	1	8	0			284	1
	Biological and Life Sciences	947	6	232	4	441	5	206	6	166	5	1992	5
	Business	2102	14	783	15	1525	16	253	8	573	18	5236	14
	Communication	718	5	239	4	372	4	126	4	111	4	1566	4
	Computer	373	3	178	3	391	4	82	2	96	3	1120	3
	Education	658	4	529	10	1146	12	146	4	409	13	2888	8
	Engineering	1174	8	178	3	180	2	28	1	284	9	1844	5
	Ethnic Cultural and Area Studies	30	0	8	0	10	0	8	0	1	0	57	0
	Foreign Language and Literature	58	0	25	0	45	0	35	1	12	0	175	0
	Health-related Fields	482	3	315	6	813	8	79	2	95	3	1784	5
	History	115	1	36	1	80	1	66	2	38	1	335	1
	Humanities	296	2	82	2	133	1	137	4	52	2	700	2
	Liberal and General Studies	85	1	27	1	79	1	16	0	13	0	220	1
	Mathematics	113	1	31	1	65	1	24	1	40	1	273	1
	Multidisciplinary Studies	97	1	19	0	12	0	20	1	6	0	154	0
	Parks Recreation Leisure and Sports Manag	67	0	18	0	44	0	5	0	10	0	144	0
	Physical Sciences	210	1	54	1	92	1	70	2	16	1	442	1
	Preprofessional	406	3	130	2	304	3	67	2	99	3	1006	3
	Public Administration	53	0	54	1	167	2	3	0	51	2	328	1
	Social Sciences	946	6	505	9	695	7	335	10	221	7	2702	7
Visual and Performing Arts	358	2	130	2	397	4	97	3	47	2	1029	3	
Undecided	884	6	512	10	817	8	344	10	159	5	2716	7	
Other	712	5	252	5	403	4	70	2	93	3	1530	4	
Double Majors	2814	19	764	14	1210	12	751	22	459	15	5998	16	
More Than Two Majors	1012	7	248	5	239	2	386	11	66	2	1951	5	
Sophomore	Agriculture	72	1	3	0	33	1			1	0	109	1
	Biological and Life Sciences	543	8	103	5	235	4	96	7	43	3	1020	6
	Business	619	9	326	14	1043	18	17	1	284	21	2289	13
	Communication	219	3	139	6	330	6	6	0	46	3	740	4
	Computer	202	3	81	4	205	4	24	2	88	7	600	3
	Education	231	4	219	10	768	13	14	1	167	13	1399	8
	Engineering	542	8	42	2	178	3	4	0	208	16	974	6
	Ethnic Cultural and Area Studies	28	0	2	0	4	0	13	1	3	0	50	0
	Foreign Language and Literature	38	1	11	0	29	0	19	1	2	0	99	1
	Health-related Fields	222	3	131	6	376	6	9	1	35	3	773	4
	History	101	2	36	2	65	1	55	4	12	1	269	2
	Humanities	198	3	62	3	118	2	136	10	16	1	530	3
	Liberal and General Studies	43	1	18	1	21	0	9	1	6	0	97	1
	Mathematics	58	1	10	0	50	1	25	2	10	1	153	1
	Multidisciplinary Studies	53	1	7	0	18	0	29	2	1	0	108	1
	Parks Recreation Leisure and Sports Manag	30	0	12	1	55	1	0	0	2	0	99	1
	Physical Sciences	131	2	42	2	73	1	55	4	9	1	310	2
	Preprofessional	138	2	52	2	137	2	15	1	25	2	367	2
	Public Administration	23	0	14	1	73	1	1	0	29	2	140	1
	Social Sciences	695	11	224	10	500	9	263	18	92	7	1774	10
Visual and Performing Arts	142	2	68	3	173	3	49	3	25	2	457	3	
Undecided	83	1	63	3	155	3	11	1	4	0	316	2	
Other	335	5	169	7	256	4	60	4	58	4	878	5	
Double Majors	1395	21	352	16	781	13	403	28	140	10	3071	18	
More Than Two Majors	439	7	69	3	131	2	110	8	28	2	777	4	

**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
Junior	Agriculture	60	1	2	0	17	0					79	1
	Biological and Life Sciences	370	7	91	4	153	3	84	8	69	4	767	5
	Business	589	12	314	14	819	17	30	3	365	20	2117	14
	Communication	184	4	129	6	259	5	5	0	67	4	644	4
	Computer	187	4	69	3	150	3	21	2	75	4	502	3
	Education	195	4	197	9	766	16	17	2	183	10	1358	9
	Engineering	350	7	41	2	89	2	9	1	221	12	710	5
	Ethnic Cultural and Area Studies	17	0	2	0	7	0	10	1	4	0	40	0
	Foreign Language and Literature	48	1	22	1	15	0	15	1	3	0	103	1
	Health-related Fields	202	4	136	6	252	5	6	1	47	3	643	4
	History	67	1	29	1	45	1	38	3	27	2	206	1
	Humanities	178	4	77	3	99	2	124	11	49	3	527	4
	Liberal and General Studies	33	1	18	1	61	1	3	0	6	0	121	1
	Mathematics	41	1	11	0	24	0	12	1	12	1	100	1
	Multidisciplinary Studies	41	1	11	0	16	0	15	1	4	0	87	1
	Parks Recreation Leisure and Sports Manag	24	0	15	1	30	1	0	0	7	0	76	1
	Physical Sciences	98	2	31	1	47	1	33	3	12	1	221	1
	Preprofessional	67	1	39	2	52	1	2	0	25	1	185	1
	Public Administration	24	0	20	1	85	2	1	0	93	5	223	1
	Social Sciences	579	12	279	13	484	10	228	20	167	9	1737	12
Visual and Performing Arts	148	3	65	3	88	2	52	5	41	2	394	3	
Undecided	17	0	6	0	13	0	0	0	3	0	39	0	
Other	247	5	195	9	599	12	48	4	72	4	1161	8	
Double Majors	959	19	349	16	611	12	304	27	207	12	2430	16	
More Than Two Majors	257	5	61	3	114	2	57	5	40	2	529	4	
Senior	Agriculture	56	1			16	0					72	0
	Biological and Life Sciences	445	8	69	4	324	5	143	8	68	4	1049	6
	Business	625	11	260	14	1507	21	131	7	383	23	2906	16
	Communication	216	4	53	3	329	5	16	1	52	3	666	4
	Computer	261	4	71	4	252	4	30	2	85	5	699	4
	Education	288	5	253	13	555	8	56	3	188	11	1340	7
	Engineering	418	7	83	4	211	3	9	0	195	12	916	5
	Ethnic Cultural and Area Studies	33	1	4	0	7	0	11	1	1	0	56	0
	Foreign Language and Literature	51	1	14	1	33	0	34	2	1	0	133	1
	Health-related Fields	264	4	148	8	414	6	13	1	141	9	980	5
	History	86	1	28	1	82	1	65	4	23	1	284	2
	Humanities	301	5	54	3	195	3	175	10	44	3	769	4
	Liberal and General Studies	53	1	18	1	125	2	7	0	4	0	207	1
	Mathematics	49	1	10	1	34	0	30	2	10	1	133	1
	Multidisciplinary Studies	41	1	17	1	19	0	18	1	1	0	96	1
	Parks Recreation Leisure and Sports Manag	55	1	9	0	44	1	0	0	1	0	109	1
	Physical Sciences	122	2	28	1	98	1	80	4	5	0	333	2
	Preprofessional	47	1	17	1	68	1	6	0	10	1	148	1
	Public Administration	30	1	19	1	122	2	0	0	48	3	219	1
	Social Sciences	705	12	203	11	700	10	366	20	104	6	2078	11
Visual and Performing Arts	143	2	53	3	252	4	64	3	32	2	544	3	
Undecided	3	0	2	0	3	0	1	0	0	0	9	0	
Other	301	5	205	11	649	9	59	3	60	4	1274	7	
Double Majors	1050	18	227	12	918	13	431	24	164	10	2790	15	
More Than Two Majors	273	5	48	3	127	2	85	5	28	2	561	3	
Total	Agriculture	380	1	12	0	143	1	8	0	1	0	544	1
	Biological and Life Sciences	2305	7	495	4	1153	4	529	7	346	4	4828	6
	Business	3935	12	1683	14	4894	18	431	6	1605	20	12548	14
	Communication	1337	4	560	5	1290	5	153	2	276	3	3616	4
	Computer	1023	3	399	3	998	4	157	2	344	4	2921	3
	Education	1372	4	1198	10	3235	12	233	3	947	12	6985	8
	Engineering	2484	8	344	3	658	2	50	1	908	11	4444	5
	Ethnic Cultural and Area Studies	108	0	16	0	28	0	42	1	9	0	203	0
	Foreign Language and Literature	195	1	72	1	122	0	103	1	18	0	510	1
	Health-related Fields	1170	4	730	6	1855	7	107	1	318	4	4180	5
	History	369	1	129	1	272	1	224	3	100	1	1094	1
	Humanities	973	3	275	2	545	2	572	7	161	2	2526	3
	Liberal and General Studies	214	1	81	1	286	1	35	0	29	0	645	1
	Mathematics	261	1	62	1	173	1	91	1	72	1	659	1
	Multidisciplinary Studies	232	1	54	0	65	0	82	1	12	0	445	1
	Parks Recreation Leisure and Sports Manag	176	1	54	0	173	1	5	0	20	0	428	0
	Physical Sciences	561	2	155	1	310	1	238	3	42	1	1306	1
	Preprofessional	658	2	238	2	561	2	90	1	159	2	1706	2
	Public Administration	130	0	107	1	447	2	5	0	221	3	910	1
	Social Sciences	2925	9	1211	10	2379	9	1192	15	584	7	8291	10
Visual and Performing Arts	791	2	316	3	910	3	262	3	145	2	2424	3	
Undecided	987	3	583	5	988	4	356	5	166	2	3080	4	
Other	1595	5	821	7	1907	7	237	3	283	4	4843	6	
Double Majors	6218	19	1692	14	3520	13	1889	24	970	12	14289	16	
More Than Two Majors	1981	6	426	4	611	2	638	8	162	2	3818	4	

**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Parents graduate from college (pargrad)</b>													
First-year	No	3239	22	1896	35	3989	41	776	23	1408	45	11308	31
	Yes, both parents	7968	53	2040	38	2876	29	1934	57	810	26	15628	43
	Yes, father only	2179	15	776	14	1505	15	346	10	422	13	5228	14
	Yes, mother only	1420	10	595	11	1231	13	285	8	442	14	3973	11
	Do not know	137	1	77	1	172	2	26	1	48	2	460	1
Sophomore	No	1333	20	666	29	2010	35	201	14	683	51	4893	28
	Yes, both parents	3840	58	1017	45	2089	36	989	69	305	23	8240	47
	Yes, father only	876	13	333	15	941	16	133	9	171	13	2454	14
	Yes, mother only	518	8	232	10	720	12	96	7	167	12	1733	10
	Do not know	35	1	21	1	63	1	9	1	16	1	144	1
Junior	No	1147	23	714	32	2104	43	198	18	923	51	5086	34
	Yes, both parents	2630	53	955	43	1383	28	721	64	408	23	6097	40
	Yes, father only	744	15	311	14	783	16	115	10	283	16	2236	15
	Yes, mother only	433	9	222	10	629	13	82	7	183	10	1549	10
	Do not know	36	1	12	1	29	1	3	0	11	1	91	1
Senior	No	1534	26	817	43	2786	39	316	17	952	57	6405	35
	Yes, both parents	2947	50	587	31	2349	33	1149	63	323	19	7355	40
	Yes, father only	918	15	313	16	1195	17	207	11	194	12	2827	15
	Yes, mother only	515	9	187	10	741	10	156	9	185	11	1784	10
	Do not know	31	1	5	0	56	1	7	0	5	0	104	1
Total	No	7253	22	4093	35	10889	39	1491	19	3966	50	27692	32
	Yes, both parents	17385	54	4599	39	8697	31	4793	62	1846	23	37320	43
	Yes, father only	4717	15	1733	15	4424	16	801	10	1070	13	12745	15
	Yes, mother only	2886	9	1236	10	3321	12	619	8	977	12	9039	10
	Do not know	239	1	115	1	320	1	45	1	80	1	799	1

**Enroll for a more advanced degree (advdeg)**

First-year	Yes	10584	76	3783	74	6622	68	2628	79	2103	68	25720	73
	No	3408	24	1326	26	3094	32	710	21	1003	32	9541	27
Sophomore	Yes	5124	79	1518	74	3903	67	1233	87	802	60	12580	73
	No	1381	21	545	26	1890	33	189	13	532	40	4537	27
Junior	Yes	3559	74	1434	72	3129	66	915	82	1210	67	10247	71
	No	1275	26	571	28	1641	34	197	18	589	33	4273	29
Senior	Yes	4106	71	1400	74	4824	69	1496	82	1054	64	12880	71
	No	1690	29	489	26	2178	31	330	18	585	36	5272	29
Total	Yes	23373	75	8135	74	18478	68	6272	81	5169	66	61427	72
	No	7754	25	2931	26	8803	32	1426	19	2709	34	23623	28

**Number of term credit hours (credhrs)**

First-year	6 or fewer	176	1	111	2	74	1	302	9	106	3	769	2
	7-11	288	2	225	4	224	2	151	5	87	3	975	3
	12-14	4696	32	1762	33	2950	30	695	22	742	24	10845	30
	15-16	6463	44	2090	39	4483	46	1283	40	1476	48	15795	44
	17 or more	3206	22	1154	22	2033	21	754	24	672	22	7819	22
Sophomore	6 or fewer	108	2	94	4	48	1	126	9	111	8	487	3
	7-11	174	3	121	5	123	2	67	5	62	5	547	3
	12-14	2057	31	764	34	1503	26	308	23	297	22	4929	28
	15-16	2598	40	672	30	2754	47	440	33	591	44	7055	41
	17 or more	1604	25	599	27	1397	24	404	30	280	21	4284	25
Junior	6 or fewer	127	3	94	4	88	2	79	7	126	7	514	3
	7-11	215	4	142	6	164	3	65	6	155	9	741	5
	12-14	1732	35	692	31	1578	32	276	26	369	20	4647	31
	15-16	1844	37	652	30	2136	43	346	33	717	40	5695	38
	17 or more	1020	21	617	28	968	20	288	27	438	24	3331	22
Senior	6 or fewer	364	6	116	6	352	5	105	6	123	7	1060	6
	7-11	484	8	189	10	384	5	156	9	189	11	1402	8
	12-14	2470	42	749	40	2297	32	611	35	488	29	6615	36
	15-16	1664	28	461	24	2463	35	578	33	507	31	5673	31
	17 or more	926	16	371	20	1627	23	308	18	349	21	3581	20
Total	6 or fewer	775	2	415	4	562	2	612	8	466	6	2830	3
	7-11	1161	4	677	6	895	3	439	6	493	6	3665	4
	12-14	10955	34	3967	34	8328	30	1890	26	1896	24	27036	31
	15-16	12569	39	3875	33	11836	43	2647	36	3291	42	34218	39
	17 or more	6756	21	2741	23	6025	22	1754	24	1739	22	19015	22

**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Hours on out of class academic work (studies)</b>													
First-year	5 or less hrs weekly	1501	10	925	17	1762	18	239	7	498	16	4925	14
	6-10 hrs weekly	3703	25	1661	31	3223	33	687	20	1010	32	10284	29
	11-15 hrs weekly	3384	23	1170	22	2099	21	703	21	720	23	8076	23
	16-20 hrs weekly	2927	20	818	15	1450	15	707	21	488	16	6390	18
	21-25 hrs weekly	1664	11	432	8	702	7	504	15	248	8	3550	10
	26-30 hrs weekly	942	6	207	4	324	3	291	9	104	3	1868	5
	More than 30 hrs	811	5	165	3	209	2	230	7	58	2		0
Sophomore	5 or less hrs weekly	468	7	362	16	977	17	40	3	217	16	2064	13
	6-10 hrs weekly	1340	20	669	30	1834	31	160	11	428	32	4431	27
	11-15 hrs weekly	1379	21	472	21	1282	22	286	20	266	20	3685	22
	16-20 hrs weekly	1340	20	334	15	903	15	317	22	219	16	3113	19
	21-25 hrs weekly	906	14	214	9	458	8	288	20	118	9	1984	12
	26-30 hrs weekly	587	9	113	5	237	4	177	12	53	4	1167	7
	More than 30 hrs	576	9	103	5	140	2	160	11	42	3		0
Junior	5 or less hrs weekly	415	8	292	13	669	14	34	3	264	15	1674	12
	6-10 hrs weekly	1090	22	629	28	1447	29	137	12	574	32	3877	27
	11-15 hrs weekly	1071	21	453	20	1159	24	174	16	412	23	3269	23
	16-20 hrs weekly	897	18	376	17	847	17	214	19	282	16	2616	19
	21-25 hrs weekly	670	13	217	10	445	9	214	19	138	8	1684	12
	26-30 hrs weekly	408	8	132	6	213	4	179	16	66	4	998	7
	More than 30 hrs	433	9	117	5	143	3	163	15	70	4		0
Senior	5 or less hrs weekly	586	10	233	12	973	14	83	5	213	13	2088	12
	6-10 hrs weekly	1454	24	537	28	2046	29	280	15	528	32	4845	28
	11-15 hrs weekly	1235	21	425	22	1488	21	383	21	317	19	3848	22
	16-20 hrs weekly	1055	18	307	16	1212	17	358	20	268	16	3200	19
	21-25 hrs weekly	676	11	203	11	693	10	289	16	152	9	2013	12
	26-30 hrs weekly	430	7	93	5	336	5	225	12	89	5	1173	7
	More than 30 hrs	507	9	107	6	381	5	212	12	89	5		0
Total	5 or less hrs weekly	2970	10	1812	16	4381	16	396	6	1192	16	10751	13
	6-10 hrs weekly	7587	25	3496	31	8550	32	1264	18	2540	33	23437	28
	11-15 hrs weekly	7069	23	2520	22	6028	23	1546	22	1715	22	18878	23
	16-20 hrs weekly	6219	21	1835	16	4412	16	1596	23	1257	16	15319	18
	21-25 hrs weekly	3916	13	1066	9	2298	9	1295	19	656	9	9231	11
	26-30 hrs weekly	2367	8	545	5	1110	4	872	13	312	4	5206	6
	More than 30 hrs	2327	8	492	4	873	3	765	11	259	3	4716	6
<b>Hours working on campus for pay (workon)</b>													
First-year	None; no job	11548	77	4286	80	7413	76	1955	58	2204	71	27406	75
	1-10 hrs weekly	2159	14	655	12	1539	16	1201	36	714	23	6268	17
	11-20 hrs weekly	1112	7	351	7	674	7	188	6	166	5	2491	7
	21-30 hrs weekly	85	1	57	1	66	1	14	0	8	0	230	1
	31-40 hrs weekly	18	0	17	0	20	0	2	0	10	0	67	0
	More than 40 hrs	13	0	6	0	5	0	2	0	3	0	29	0
	Sophomore	None; no job	4180	63	1637	72	4009	69	576	40	872	65	11274
1-10 hrs weekly		1441	22	366	16	1027	18	700	49	279	21	3813	22
11-20 hrs weekly		879	13	194	9	632	11	134	9	137	10	1976	11
21-30 hrs weekly		68	1	43	2	89	2	8	1	23	2	231	1
31-40 hrs weekly		14	0	13	1	21	0	4	0	14	1	66	0
More than 40 hrs		9	0	8	0	23	0	3	0	7	1	50	0
Junior		None; no job	3081	62	1552	70	3377	69	422	38	1178	66	9610
	1-10 hrs weekly	946	19	370	17	814	17	542	49	329	18	3001	20
	11-20 hrs weekly	813	16	197	9	582	12	126	11	220	12	1938	13
	21-30 hrs weekly	98	2	47	2	92	2	15	1	26	1	278	2
	31-40 hrs weekly	23	0	28	1	28	1	7	1	23	1	109	1
	More than 40 hrs	13	0	9	0	21	0	3	0	16	1	62	0
	Senior	None; no job	3681	62	1424	75	5044	71	767	42	1151	70	12067
1-10 hrs weekly		984	17	217	11	1106	16	806	44	315	19	3428	19
11-20 hrs weekly		973	16	179	9	724	10	207	11	132	8	2215	12
21-30 hrs weekly		192	3	41	2	138	2	34	2	22	1	427	2
31-40 hrs weekly		73	1	24	1	52	1	8	0	18	1	175	1
More than 40 hrs		35	1	13	1	31	0	5	0	12	1	96	1
Total		None; no job	22490	69	8899	76	19843	72	3720	48	5405	69	60357
	1-10 hrs weekly	5530	17	1608	14	4486	16	3249	42	1637	21	16510	19
	11-20 hrs weekly	3777	12	921	8	2612	9	655	8	655	8	8620	10
	21-30 hrs weekly	443	1	188	2	385	1	71	1	79	1	1166	1
	31-40 hrs weekly	128	0	82	1	121	0	21	0	65	1	417	0
	More than 40 hrs	70	0	36	0	80	0	13	0	38	0	237	0

**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Hours working off campus for pay (workoff)</b>													
First-year	None; no job	12606	85	3564	67	6830	71	2909	87	2194	71	28103	78
	1-10 hrs weekly	935	6	438	8	798	8	248	7	282	9	2701	7
	11-20 hrs weekly	812	5	627	12	1069	11	136	4	286	9	2930	8
	21-30 hrs weekly	367	2	484	9	640	7	43	1	159	5	1693	5
	31-40 hrs weekly	75	1	158	3	257	3	10	0	107	3	607	2
	More than 40 hrs	35	0	58	1	56	1	4	0	59	2	212	1
Sophomore	None; no job	5435	83	1407	62	3861	67	1185	83	770	58	12658	73
	1-10 hrs weekly	550	8	174	8	525	9	170	12	119	9	1538	9
	11-20 hrs weekly	397	6	243	11	755	13	52	4	163	12	1610	9
	21-30 hrs weekly	146	2	239	11	405	7	15	1	99	7	904	5
	31-40 hrs weekly	35	1	133	6	175	3	3	0	108	8	454	3
	More than 40 hrs	13	0	63	3	54	1	1	0	71	5	202	1
Junior	None; no job	3607	73	1269	58	2700	55	861	77	916	51	9353	62
	1-10 hrs weekly	491	10	210	10	463	9	148	13	147	8	1459	10
	11-20 hrs weekly	483	10	264	12	752	15	66	6	242	14	1807	12
	21-30 hrs weekly	244	5	216	10	603	12	32	3	166	9	1261	8
	31-40 hrs weekly	98	2	157	7	265	5	6	1	157	9	683	5
	More than 40 hrs	43	1	81	4	119	2	2	0	161	9	406	3
Senior	None; no job	3587	60	856	45	3261	46	1261	69	757	46	9722	53
	1-10 hrs weekly	715	12	193	10	806	11	253	14	160	10	2127	12
	11-20 hrs weekly	834	14	312	16	1271	18	202	11	214	13	2833	15
	21-30 hrs weekly	481	8	277	15	932	13	82	4	163	10	1935	11
	31-40 hrs weekly	223	4	180	10	504	7	18	1	173	10	1098	6
	More than 40 hrs	90	2	76	4	300	4	11	1	186	11	663	4
Total	None; no job	25235	78	7096	61	16652	61	6216	81	4637	59	59836	69
	1-10 hrs weekly	2691	8	1015	9	2592	9	819	11	708	9	7825	9
	11-20 hrs weekly	2526	8	1446	12	3847	14	456	6	905	12	9180	11
	21-30 hrs weekly	1238	4	1216	10	2580	9	172	2	587	7	5793	7
	31-40 hrs weekly	431	1	628	5	1201	4	37	0	545	7	2842	3
	More than 40 hrs	181	1	278	2	529	2	18	0	477	6	1483	2

**How job affects school work (workaff)**

First-year	No job	9469	64	2630	49	4818	50	1623	48	1419	46	19959	55
	Does not interfere	2569	17	1403	26	2498	26	952	28	948	31	8370	23
	Takes some time	2554	17	1151	22	2109	22	730	22	637	21	7181	20
	Takes lots of time	230	2	145	3	265	3	44	1	85	3	769	2
Sophomore	No job	3247	49	887	39	2295	40	439	31	409	31	7277	42
	Does not interfere	1447	22	579	26	1628	28	505	35	434	32	4593	26
	Takes some time	1726	26	649	29	1643	28	452	32	427	32	4897	28
	Takes lots of time	155	2	143	6	228	4	29	2	68	5	623	4
Junior	No job	1920	39	734	33	1441	29	277	25	439	24	4811	32
	Does not interfere	1079	22	545	25	1245	25	379	34	539	30	3787	25
	Takes some time	1717	35	757	34	1841	38	422	38	666	37	5403	36
	Takes lots of time	256	5	164	7	377	8	37	3	156	9	990	7
Senior	No job	1796	30	511	27	1800	25	392	21	385	23	4884	27
	Does not interfere	1392	23	492	26	1952	28	709	39	534	32	5079	28
	Takes some time	2302	39	703	37	2754	39	661	36	564	34	6984	38
	Takes lots of time	440	7	191	10	592	8	68	4	170	10	1461	8
Total	No job	16432	51	4762	41	10354	38	2731	35	2652	34	36931	42
	Does not interfere	6487	20	3019	26	7323	27	2545	33	2455	31	21829	25
	Takes some time	8299	26	3260	28	8347	30	2265	29	2294	29	24465	28
	Takes lots of time	1081	3	643	6	1462	5	178	2	479	6	3843	4

**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Meet expenses: self (exself)</b>													
First-year	None	4506	30	1810	34	2669	28	953	28	987	32	10925	30
	Very little	6160	41	1829	34	3127	32	1460	44	1099	36	13675	38
	Less than half	2555	17	822	15	1835	19	582	17	530	17	6324	17
	About half	747	5	355	7	912	9	148	4	204	7	2366	7
	More than half	428	3	191	4	494	5	98	3	108	3	1319	4
	All or nearly all	451	3	317	6	637	7	107	3	166	5	1678	5
Sophomore	None	1525	23	661	29	1601	28	315	22	382	29	4484	26
	Very little	2896	44	807	36	1897	33	723	51	424	32	6747	39
	Less than half	1304	20	352	16	1090	19	260	18	273	21	3279	19
	About half	403	6	174	8	532	9	46	3	95	7	1250	7
	More than half	205	3	88	4	300	5	33	2	61	5	687	4
	All or nearly all	242	4	165	7	375	6	46	3	92	7	920	5
Junior	None	1137	23	607	28	1180	24	251	23	632	35	3807	25
	Very little	1967	40	770	35	1467	30	548	49	513	29	5265	35
	Less than half	1018	21	391	18	1037	21	213	19	319	18	2978	20
	About half	354	7	158	7	508	10	37	3	128	7	1185	8
	More than half	222	4	106	5	258	5	22	2	71	4	679	5
	All or nearly all	261	5	173	8	438	9	43	4	129	7	1044	7
Senior	None	1153	19	498	26	1915	27	439	24	539	33	4544	25
	Very little	2304	39	561	30	2183	31	840	46	449	27	6337	35
	Less than half	1312	22	326	17	1434	20	374	21	319	19	3765	21
	About half	483	8	159	8	608	9	67	4	98	6	1415	8
	More than half	285	5	100	5	375	5	47	3	92	6	899	5
	All or nearly all	387	7	248	13	563	8	57	3	144	9	1399	8
Total	None	8321	26	3576	31	7365	27	1958	25	2540	32	23760	27
	Very little	13327	41	3967	34	8674	32	3571	46	2485	32	32024	37
	Less than half	6189	19	1891	16	5396	20	1429	19	1441	18	16346	19
	About half	1987	6	846	7	2560	9	298	4	525	7	6216	7
	More than half	1140	4	485	4	1427	5	200	3	332	4	3584	4
	All or nearly all	1341	4	903	8	2013	7	253	3	531	7	5041	6

<b>Meet expenses: parents (expare)</b>													
First-year	None	1318	9	724	14	1814	19	297	9	588	19	4741	13
	Very little	1670	11	587	11	1479	15	418	12	404	13	4558	13
	Less than half	2026	14	697	13	1387	14	630	19	498	16	5238	14
	About half	1716	12	659	12	1380	14	443	13	392	13	4590	13
	More than half	2180	15	713	13	1297	13	538	16	501	16	5229	14
	All or nearly all	5937	40	1944	37	2317	24	1022	31	711	23	11931	33
Sophomore	None	593	9	420	19	1132	20	120	8	439	33	2704	16
	Very little	754	11	278	12	804	14	131	9	152	11	2119	12
	Less than half	912	14	269	12	737	13	266	19	215	16	2399	14
	About half	793	12	230	10	802	14	152	11	177	13	2154	12
	More than half	993	15	259	12	785	14	192	13	137	10	2366	14
	All or nearly all	2530	38	791	35	1535	26	562	39	207	16	5625	32
Junior	None	817	16	567	26	1540	32	126	11	716	40	3766	25
	Very little	605	12	254	12	840	17	111	10	283	16	2093	14
	Less than half	691	14	252	11	599	12	205	18	251	14	1998	13
	About half	535	11	205	9	516	11	126	11	166	9	1548	10
	More than half	668	13	263	12	531	11	138	12	156	9	1756	12
	All or nearly all	1643	33	664	30	862	18	408	37	220	12	3797	25
Senior	None	1194	20	691	37	2157	30	208	11	693	42	4943	27
	Very little	786	13	247	13	994	14	220	12	217	13	2464	13
	Less than half	782	13	180	10	886	13	328	18	194	12	2370	13
	About half	576	10	161	9	752	11	246	13	149	9	1884	10
	More than half	775	13	179	9	839	12	289	16	141	9	2223	12
	All or nearly all	1811	31	434	23	1450	20	533	29	247	15	4475	24
Total	None	3922	12	2402	21	6643	24	751	10	2436	31	16154	19
	Very little	3815	12	1366	12	4117	15	880	11	1056	13	11234	13
	Less than half	4411	14	1398	12	3609	13	1429	19	1158	15	12005	14
	About half	3620	11	1255	11	3450	13	967	13	884	11	10176	12
	More than half	4616	14	1414	12	3452	13	1157	15	935	12	11574	13
	All or nearly all	11921	37	3833	33	6164	22	2525	33	1385	18	25828	30



**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Meet expenses: spouse or partner (exspou)</b>													
First-year	None	14609	98	5179	97	9436	98	3299	99	2998	97	35521	98
	Very little	104	1	58	1	97	1	16	0	33	1	308	1
	Less than half	57	0	26	0	52	1	12	0	21	1	168	0
	About half	27	0	31	1	41	0	13	0	21	1	133	0
	More than half	19	0	13	0	18	0	3	0	9	0	62	0
	All or nearly all	31	0	17	0	30	0	5	0	12	0	95	0
Sophomore	None	6437	98	2171	97	5616	97	1407	99	1278	96	16909	97
	Very little	71	1	36	2	79	1	11	1	21	2	218	1
	Less than half	25	0	12	1	41	1	0	0	7	1	85	0
	About half	17	0	12	1	33	1	3	0	9	1	74	0
	More than half	10	0	8	0	7	0	0	0	5	0	30	0
	All or nearly all	15	0	8	0	19	0	2	0	7	1	51	0
Junior	None	4769	96	2054	93	4572	94	1069	96	1688	94	14152	95
	Very little	73	1	62	3	121	2	27	2	50	3	333	2
	Less than half	44	1	27	1	76	2	6	1	18	1	171	1
	About half	32	1	25	1	45	1	3	0	17	1	122	1
	More than half	10	0	17	1	31	1	1	0	4	0	63	0
	All or nearly all	31	1	20	1	43	1	8	1	15	1	117	1
Senior	None	5501	93	1678	89	6498	92	1764	97	1510	92	16951	92
	Very little	173	3	54	3	239	3	27	1	50	3	543	3
	Less than half	106	2	53	3	131	2	14	1	23	1	327	2
	About half	55	1	31	2	72	1	7	0	20	1	185	1
	More than half	34	1	24	1	50	1	4	0	10	1	122	1
	All or nearly all	55	1	52	3	88	1	8	0	28	2	231	1
Total	None	31316	97	11082	95	26122	95	7539	98	7474	95	83533	96
	Very little	421	1	210	2	536	2	81	1	154	2	1402	2
	Less than half	232	1	118	1	300	1	32	0	69	1	751	1
	About half	131	0	99	1	191	1	26	0	67	1	514	1
	More than half	73	0	62	1	106	0	8	0	28	0	277	0
	All or nearly all	132	0	97	1	180	1	23	0	62	1	494	1

**Meet expenses: employer (exempl)**

First-year	None	14211	96	5007	94	9093	94	3192	95	2892	93	34395	95
	Very little	416	3	164	3	310	3	96	3	111	4	1097	3
	Less than half	114	1	58	1	139	1	24	1	38	1	373	1
	About half	55	0	47	1	52	1	20	1	22	1	196	1
	More than half	27	0	27	1	44	0	7	0	6	0	111	0
	All or nearly all	24	0	21	0	36	0	9	0	25	1	115	0
Sophomore	None	6184	94	2098	93	5391	93	1354	95	1218	92	16245	94
	Very little	248	4	77	3	224	4	48	3	50	4	647	4
	Less than half	76	1	28	1	89	2	10	1	12	1	215	1
	About half	32	0	21	1	46	1	3	0	3	0	105	1
	More than half	20	0	8	0	25	0	5	0	13	1	71	0
	All or nearly all	15	0	15	1	20	0	3	0	31	2	84	0
Junior	None	4651	94	2051	93	4512	92	1040	93	1564	87	13818	92
	Very little	194	4	88	4	186	4	49	4	67	4	584	4
	Less than half	59	1	28	1	78	2	16	1	30	2	211	1
	About half	30	1	11	0	42	1	0	0	17	1	100	1
	More than half	15	0	16	1	36	1	3	0	47	3	117	1
	All or nearly all	10	0	11	0	34	1	6	1	67	4	128	1
Senior	None	5442	92	1729	91	6426	91	1704	93	1444	88	16745	91
	Very little	281	5	78	4	290	4	83	5	64	4	796	4
	Less than half	102	2	36	2	118	2	23	1	25	2	304	2
	About half	42	1	14	1	66	1	6	0	21	1	149	1
	More than half	28	0	13	1	70	1	2	0	34	2	147	1
	All or nearly all	29	0	22	1	108	2	6	0	53	3	218	1
Total	None	30488	94	10885	93	25422	93	7290	95	7118	91	81203	93
	Very little	1139	4	407	3	1010	4	276	4	292	4	3124	4
	Less than half	351	1	150	1	424	2	73	1	105	1	1103	1
	About half	159	0	93	1	206	1	29	0	63	1	550	1
	More than half	90	0	64	1	175	1	17	0	100	1	446	1
	All or nearly all	78	0	69	1	198	1	24	0	176	2	545	1

**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Meet expenses: scholarships and grants (exgift)</b>													
First-year	None	5545	37	2181	41	3070	32	876	26	576	19	12248	34
	Very little	2824	19	706	13	1548	16	420	13	419	14	5917	16
	Less than half	2348	16	721	14	1798	19	679	20	644	21	6190	17
	About half	1346	9	527	10	1048	11	503	15	545	18	3969	11
	More than half	1341	9	552	10	977	10	515	15	477	15	3862	11
	All or nearly all	1443	10	637	12	1233	13	355	11	433	14	4101	11
Sophomore	None	2741	42	1134	50	2491	43	567	40	321	24	7254	42
	Very little	1102	17	255	11	763	13	179	13	137	10	2436	14
	Less than half	1009	15	217	10	945	16	198	14	260	20	2629	15
	About half	580	9	169	8	590	10	137	10	262	20	1738	10
	More than half	620	9	189	8	419	7	205	14	178	13	1611	9
	All or nearly all	523	8	283	13	587	10	137	10	169	13	1699	10
Junior	None	2154	43	1115	51	2181	45	406	36	449	25	6305	42
	Very little	686	14	247	11	577	12	143	13	171	10	1824	12
	Less than half	678	14	239	11	680	14	192	17	308	17	2097	14
	About half	491	10	168	8	429	9	100	9	312	17	1500	10
	More than half	520	10	189	9	391	8	176	16	278	16	1554	10
	All or nearly all	430	9	247	11	630	13	97	9	274	15	1678	11
Senior	None	2750	46	991	52	2853	40	572	31	592	36	7758	42
	Very little	852	14	206	11	922	13	218	12	205	12	2403	13
	Less than half	813	14	174	9	1222	17	365	20	304	19	2878	16
	About half	534	9	162	9	789	11	239	13	197	12	1921	10
	More than half	495	8	132	7	640	9	286	16	169	10	1722	9
	All or nearly all	480	8	227	12	652	9	144	8	174	11	1677	9
Total	None	13190	41	5421	46	10595	39	2421	31	1938	25	33565	39
	Very little	5464	17	1414	12	3810	14	960	12	932	12	12580	14
	Less than half	4848	15	1351	12	4645	17	1434	19	1516	19	13794	16
	About half	2951	9	1026	9	2856	10	979	13	1316	17	9128	10
	More than half	2976	9	1062	9	2427	9	1182	15	1102	14	8749	10
	All or nearly all	2876	9	1394	12	3102	11	733	10	1050	13	9155	11

**Meet expenses: loans (exloan)**

First-year	None	8787	59	3182	60	4776	49	1698	51	1363	44	19806	55
	Very little	1365	9	445	8	785	8	406	12	432	14	3433	9
	Less than half	2260	15	642	12	1528	16	741	22	620	20	5791	16
	About half	1096	7	428	8	1046	11	248	7	283	9	3101	9
	More than half	771	5	336	6	782	8	178	5	212	7	2279	6
	All or nearly all	568	4	291	5	757	8	77	2	184	6	1877	5
Sophomore	None	3788	58	1422	63	2879	50	733	52	532	40	9354	54
	Very little	562	9	130	6	372	6	162	11	143	11	1369	8
	Less than half	1124	17	217	10	770	13	376	26	297	22	2784	16
	About half	494	8	166	7	683	12	79	6	144	11	1566	9
	More than half	368	6	130	6	537	9	46	3	97	7	1178	7
	All or nearly all	239	4	182	8	554	10	27	2	114	9	1116	6
Junior	None	2843	57	1294	59	2178	45	536	48	737	41	7588	51
	Very little	336	7	113	5	255	5	105	9	130	7	939	6
	Less than half	759	15	242	11	500	10	312	28	325	18	2138	14
	About half	424	9	172	8	561	11	72	6	227	13	1456	10
	More than half	355	7	178	8	625	13	54	5	182	10	1394	9
	All or nearly all	242	5	206	9	769	16	35	3	191	11	1443	10
Senior	None	3308	56	1079	57	3018	43	776	43	683	42	8864	48
	Very little	391	7	72	4	445	6	168	9	118	7	1194	7
	Less than half	803	14	164	9	1044	15	555	30	285	17	2851	16
	About half	506	9	179	9	883	12	155	8	184	11	1907	10
	More than half	500	8	180	10	862	12	113	6	153	9	1808	10
	All or nearly all	416	7	218	12	826	12	57	3	218	13	1735	9
Total	None	18726	58	6977	60	12851	47	3743	49	3315	42	45612	52
	Very little	2654	8	760	7	1857	7	841	11	823	10	6935	8
	Less than half	4946	15	1265	11	3842	14	1984	26	1527	19	13564	16
	About half	2520	8	945	8	3173	12	554	7	838	11	8030	9
	More than half	1994	6	824	7	2806	10	391	5	644	8	6659	8
	All or nearly all	1465	5	897	8	2906	11	196	3	707	9	6171	7

**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Meet expenses: other sources (exotr)</b>													
First-year	None	12894	87	4687	88	8571	89	2826	84	2739	89	31717	87
	Very little	1023	7	277	5	545	6	265	8	180	6	2290	6
	Less than half	358	2	123	2	185	2	99	3	56	2	821	2
	About half	194	1	70	1	114	1	46	1	35	1	459	1
	More than half	121	1	64	1	76	1	44	1	30	1	335	1
	All or nearly all	257	2	103	2	183	2	68	2	54	2	665	2
Sophomore	None	5693	87	2022	90	5196	90	1216	85	1193	90	15320	88
	Very little	477	7	120	5	302	5	101	7	59	4	1059	6
	Less than half	145	2	28	1	102	2	45	3	30	2	350	2
	About half	64	1	17	1	58	1	12	1	13	1	164	1
	More than half	53	1	14	1	41	1	18	1	11	1	137	1
	All or nearly all	143	2	46	2	96	2	31	2	21	2	337	2
Junior	None	4438	89	1965	89	4405	90	961	86	1628	91	13397	90
	Very little	283	6	114	5	242	5	73	7	68	4	780	5
	Less than half	84	2	38	2	73	1	27	2	34	2	256	2
	About half	45	1	14	1	53	1	10	1	18	1	140	1
	More than half	36	1	23	1	38	1	13	1	17	1	127	1
	All or nearly all	73	1	51	2	77	2	30	3	27	2	258	2
Senior	None	5291	89	1716	91	6420	91	1613	88	1489	91	16529	90
	Very little	289	5	81	4	270	4	103	6	71	4	814	4
	Less than half	117	2	20	1	132	2	42	2	21	1	332	2
	About half	43	1	21	1	63	1	24	1	16	1	167	1
	More than half	68	1	10	1	58	1	16	1	12	1	164	1
	All or nearly all	116	2	44	2	135	2	26	1	32	2	353	2
Total	None	28316	88	10390	89	24592	90	6616	86	7049	90	76963	88
	Very little	2072	6	592	5	1359	5	542	7	378	5	4943	6
	Less than half	704	2	209	2	492	2	213	3	141	2	1759	2
	About half	346	1	122	1	288	1	92	1	82	1	930	1
	More than half	278	1	111	1	213	1	91	1	70	1	763	1
	All or nearly all	589	2	244	2	491	2	155	2	134	2	1613	2

**Race: American Indian or other native (reamind)**

First-year	No	14460	98	5119	97	9343	98	3237	98	3017	99	35176	98
	Yes	232	2	140	3	201	2	58	2	43	1	674	2
Sophomore	No	6388	98	2180	98	5574	98	1391	99	1283	98	16816	98
	Yes	112	2	52	2	140	2	19	1	30	2	353	2
Junior	No	6388	98	2180	98	5574	98	1391	99	1283	98	16816	98
	Yes	112	2	52	2	140	2	19	1	30	2	353	2
Senior	No	5749	98	1804	97	6834	98	1777	99	1587	98	17751	98
	Yes	102	2	63	3	164	2	21	1	34	2	384	2
Total	No	32985	98	11283	97	27325	98	7796	99	7170	98	86559	98
	Yes	558	2	307	3	645	2	117	1	137	2	1764	2

**Race: Asian or Pacific Islander (reasian)**

First-year	No	12947	88	4994	95	8952	94	3004	91	3012	98	32909	92
	Yes	1745	12	265	5	592	6	291	9	48	2	2941	8
Sophomore	No	5331	82	2115	95	5441	95	1199	85	1259	96	15345	89
	Yes	1169	18	117	5	273	5	211	15	54	4	1824	11
Junior	No	5331	82	2115	95	5441	95	1199	85	1259	96	15345	89
	Yes	1169	18	117	5	273	5	211	15	54	4	1824	11
Senior	No	4510	77	1755	94	6711	96	1614	90	1559	96	16149	89
	Yes	1341	23	112	6	287	4	184	10	62	4	1986	11
Total	No	28119	84	10979	95	26545	95	7016	89	7089	97	79748	90
	Yes	5424	16	611	5	1425	5	897	11	218	3	8575	10

**Race: Black or African American (reafam)**

First-year	No	13872	94	4797	91	8963	94	3145	95	2904	95	33681	94
	Yes	820	6	462	9	581	6	150	5	156	5	2169	6
Sophomore	No	6200	95	2038	91	5451	95	1338	95	1193	91	16220	94
	Yes	300	5	194	9	263	5	72	5	120	9	949	6
Junior	No	6200	95	2038	91	5451	95	1338	95	1193	91	16220	94
	Yes	300	5	194	9	263	5	72	5	120	9	949	6
Senior	No	5607	96	1766	95	6680	95	1728	96	1447	89	17228	95
	Yes	244	4	101	5	318	5	70	4	174	11	907	5
Total	No	31879	95	10639	92	26545	95	7549	95	6737	92	83349	94
	Yes	1664	5	951	8	1425	5	364	5	570	8	4974	6

**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Race: Caucasian (recauc)</b>													
First-year	No	3271	22	1071	20	1758	18	621	19	376	12	7097	20
	Yes	11421	78	4188	80	7786	82	2674	81	2684	88	28753	80
Sophomore	No	1839	28	429	19	822	14	358	25	281	21	3729	22
	Yes	4661	72	1803	81	4892	86	1052	75	1032	79	13440	78
Junior	No	1839	28	429	19	822	14	358	25	281	21	3729	22
	Yes	4661	72	1803	81	4892	86	1052	75	1032	79	13440	78
Senior	No	1889	32	352	19	1045	15	346	19	360	22	3992	22
	Yes	3962	68	1515	81	5953	85	1452	81	1261	78	14143	78
Total	No	8838	26	2281	20	4447	16	1683	21	1298	18	18547	21
	Yes	24705	74	9309	80	23523	84	6230	79	6009	82	69776	79

**Race: Mexican American (remexam)**

First-year	No	14434	98	5202	99	9349	98	3254	99	2997	98	35236	98
	Yes	258	2	57	1	195	2	41	1	63	2	614	2
Sophomore	No	6379	98	2193	98	5666	99	1389	99	1259	96	16886	98
	Yes	121	2	39	2	48	1	21	1	54	4	283	2
Junior	No	6379	98	2193	98	5666	99	1389	99	1259	96	16886	98
	Yes	121	2	39	2	48	1	21	1	54	4	283	2
Senior	No	5742	98	1833	98	6875	98	1787	99	1571	97	17808	98
	Yes	109	2	34	2	123	2	11	1	50	3	327	2
Total	No	32934	98	11421	99	27556	99	7819	99	7086	97	86816	98
	Yes	609	2	169	1	414	1	94	1	221	3	1507	2

**Race: Puerto Rican (repuert)**

First-year	No	14620	100	5216	99	9479	99	3272	99	3032	99	35619	99
	Yes	72	0	43	1	65	1	23	1	28	1	231	1
Sophomore	No	6447	99	2214	99	5672	99	1402	99	1300	99	17035	99
	Yes	53	1	18	1	42	1	8	1	13	1	134	1
Junior	No	6447	99	2214	99	5672	99	1402	99	1300	99	17035	99
	Yes	53	1	18	1	42	1	8	1	13	1	134	1
Senior	No	5812	99	1861	100	6965	100	1781	99	1603	99	18022	99
	Yes	39	1	6	0	33	0	17	1	18	1	113	1
Total	No	33326	99	11505	99	27788	99	7857	99	7235	99	87711	99
	Yes	217	1	85	1	182	1	56	1	72	1	612	1

**Race: Other Hispanic (reothis)**

First-year	No	14422	98	5147	98	9422	99	3224	98	3031	99	35246	98
	Yes	270	2	112	2	122	1	71	2	29	1	604	2
Sophomore	No	6338	98	2192	98	5655	99	1373	97	1299	99	16857	98
	Yes	162	2	40	2	59	1	37	3	14	1	312	2
Junior	No	6338	98	2192	98	5655	99	1373	97	1299	99	16857	98
	Yes	162	2	40	2	59	1	37	3	14	1	312	2
Senior	No	5718	98	1835	98	6902	99	1756	98	1603	99	17814	98
	Yes	133	2	32	2	96	1	42	2	18	1	321	2
Total	No	32816	98	11366	98	27634	99	7726	98	7232	99	86774	98
	Yes	727	2	224	2	336	1	187	2	75	1	1549	2

**Race: Other (reothr)**

First-year	No	14156	96	5073	96	9255	97	3131	95	2981	97	34596	97
	Yes	536	4	186	4	289	3	164	5	79	3	1254	3
Sophomore	No	6219	96	2172	97	5545	97	1314	93	1278	97	16528	96
	Yes	281	4	60	3	169	3	96	7	35	3	641	4
Junior	No	6219	96	2172	97	5545	97	1314	93	1278	97	16528	96
	Yes	281	4	60	3	169	3	96	7	35	3	641	4
Senior	No	5594	96	1813	97	6790	97	1715	95	1584	98	17496	96
	Yes	257	4	54	3	208	3	83	5	37	2	639	4
Total	No	32188	96	11230	97	27135	97	7474	94	7121	97	85148	96
	Yes	1355	4	360	3	835	3	439	6	186	3	3175	4

**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>No. of racial/ethnic groups of student (racesum)</b>													
First-year	Belongs to 1 group	14145	96	4913	93	9310	98	3164	96	3004	98	34536	96
	Belongs to 2 groups	483	3	111	2	207	2	111	3	48	2	960	3
	Belongs to 3 groups	48	0	226	4	18	0	12	0	6	0	310	1
	Belongs to 4 groups	5	0	8	0	4	0	2	0	1	0	20	0
	Belongs to 5 groups	2	0	0	0	1	0	2	0	0	0	5	0
	Belongs to 7 groups	3	0	0	0	0	0	0	0	0	0	3	0
	Belongs to 8 groups	6	0	1	0	4	0	4	0	1	0	16	0
	Belongs to 6 groups	0	0	0	0	0	0	0	0	0	0	0	0
Sophomore	Belongs to 1 group	6202	95	2171	97	5579	98	1322	94	1284	98	16558	96
	Belongs to 2 groups	256	4	51	2	114	2	73	5	24	2	518	3
	Belongs to 3 groups	28	0	4	0	15	0	12	1	4	0	63	0
	Belongs to 4 groups	12	0	1	0	3	0	3	0	0	0	19	0
	Belongs to 5 groups	1	0	1	0	0	0	0	0	0	0	2	0
	Belongs to 7 groups	0	0	3	0	2	0	0	0	0	0	5	0
	Belongs to 8 groups	1	0	1	0	1	0	0	0	1	0	4	0
	Belongs to 6 groups	0	0	0	0	0	0	0	0	0	0	0	0
Junior	Belongs to 1 group	6202	95	2171	97	5579	98	1322	94	1284	98	16558	96
	Belongs to 2 groups	256	4	51	2	114	2	73	5	24	2	518	3
	Belongs to 3 groups	28	0	4	0	15	0	12	1	4	0	63	0
	Belongs to 4 groups	12	0	1	0	3	0	3	0	0	0	19	0
	Belongs to 5 groups	1	0	1	0	0	0	0	0	0	0	2	0
	Belongs to 7 groups	0	0	3	0	2	0	0	0	0	0	5	0
	Belongs to 8 groups	1	0	1	0	1	0	0	0	1	0	4	0
	Belongs to 6 groups	0	0	0	0	0	0	0	0	0	0	0	0
Senior	Belongs to 1 group	5595	96	1823	98	6839	98	1726	96	1598	99	17581	97
	Belongs to 2 groups	204	3	40	2	143	2	62	3	19	1	468	3
	Belongs to 3 groups	42	1	2	0	12	0	10	1	2	0	68	0
	Belongs to 4 groups	5	0	2	0	2	0	0	0	1	0	10	0
	Belongs to 5 groups	0	0	0	0	1	0	0	0	0	0	1	0
	Belongs to 7 groups	2	0	0	0	0	0	0	0	0	0	2	0
	Belongs to 8 groups	3	0	0	0	1	0	0	0	1	0	5	0
	Belongs to 6 groups	0	0	0	0	0	0	0	0	0	0	0	0
Total	Belongs to 1 group	32144	96	11078	96	27307	98	7534	95	7170	98	85233	97
	Belongs to 2 groups	1199	4	253	2	578	2	319	4	115	2	2464	3
	Belongs to 3 groups	146	0	236	2	60	0	46	1	16	0	504	1
	Belongs to 4 groups	34	0	12	0	12	0	8	0	2	0	68	0
	Belongs to 5 groups	4	0	2	0	2	0	2	0	0	0	10	0
	Belongs to 7 groups	5	0	6	0	4	0	0	0	0	0	15	0
	Belongs to 8 groups	11	0	3	0	7	0	4	0	4	0	29	0
	Belongs to 6 groups	0	0	0	0	0	0	0	0	0	0	0	0

**Table 4-6 . Background Items**

		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Racial or ethnic identification (race)</b>													
First-year	American Indian	96	1	69	1	108	1	30	1	22	1	325	1
	Asian, Pacific Islander	1525	10	231	4	526	6	241	7	42	1	2565	7
	Black, African American	705	5	409	8	516	5	130	4	148	5	1908	5
	White, Caucasian	10995	75	3898	74	7613	80	2569	78	2645	86	27720	77
	Mexican-American	173	1	41	1	158	2	21	1	46	2	439	1
	Puerto Rican	42	0	21	0	43	0	9	0	17	1	132	0
	Other Hispanic	176	1	88	2	95	1	43	1	19	1	421	1
	Other	433	3	156	3	251	3	121	4	65	2	1026	3
	Multiracial	547	4	346	7	234	2	131	4	56	2	1314	4
Sophomore	American Indian	38	1	25	1	86	2	3	0	18	1	170	1
	Asian, Pacific Islander	1047	16	98	4	226	4	172	12	46	4	1589	9
	Black, African American	250	4	176	8	234	4	47	3	113	9	820	5
	White, Caucasian	4411	68	1751	78	4778	84	984	70	1010	77	12934	75
	Mexican-American	87	1	30	1	35	1	16	1	48	4	216	1
	Puerto Rican	29	0	7	0	32	1	2	0	8	1	78	0
	Other Hispanic	113	2	34	2	43	1	23	2	12	1	225	1
	Other	227	3	50	2	145	3	75	5	29	2	526	3
	Multiracial	298	5	61	3	135	2	88	6	29	2	611	4
Junior	American Indian	38	1	25	1	86	2	3	0	18	1	170	1
	Asian, Pacific Islander	1047	16	98	4	226	4	172	12	46	4	1589	9
	Black, African American	250	4	176	8	234	4	47	3	113	9	820	5
	White, Caucasian	4411	68	1751	78	4778	84	984	70	1010	77	12934	75
	Mexican-American	87	1	30	1	35	1	16	1	48	4	216	1
	Puerto Rican	29	0	7	0	32	1	2	0	8	1	78	0
	Other Hispanic	113	2	34	2	43	1	23	2	12	1	225	1
	Other	227	3	50	2	145	3	75	5	29	2	526	3
	Multiracial	298	5	61	3	135	2	88	6	29	2	611	4
Senior	American Indian	30	1	45	2	75	1	6	0	23	1	179	1
	Asian, Pacific Islander	1208	21	103	6	257	4	161	9	57	4	1786	10
	Black, African American	206	4	93	5	290	4	57	3	162	10	808	4
	White, Caucasian	3747	64	1480	79	5816	83	1395	78	1251	77	13689	75
	Mexican-American	83	1	26	1	114	2	7	0	46	3	276	2
	Puerto Rican	22	0	5	0	25	0	11	1	14	1	77	0
	Other Hispanic	95	2	26	1	81	1	31	2	14	1	247	1
	Other	204	3	45	2	181	3	58	3	31	2	519	3
	Multiracial	256	4	44	2	159	2	72	4	23	1	554	3
Total	American Indian	202	1	164	1	355	1	42	1	81	1	844	1
	Asian, Pacific Islander	4827	14	530	5	1235	4	746	9	191	3	7529	9
	Black, African American	1411	4	854	7	1274	5	281	4	536	7	4356	5
	White, Caucasian	23564	70	8880	77	22985	82	5932	75	5916	81	67277	76
	Mexican-American	430	1	127	1	342	1	60	1	188	3	1147	1
	Puerto Rican	122	0	40	0	132	0	24	0	47	1	365	0
	Other Hispanic	497	1	182	2	262	1	120	2	57	1	1118	1
	Other	1091	3	301	3	722	3	329	4	154	2	2597	3
	Multiracial	1399	4	512	4	663	2	379	5	137	2	3090	3

**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Used the library to study (lib1)</b>																				
First-Year	Valid N	14782	5348	9770	3363	3161	36424	Never	3701	25	1424	27	2751	28	524	16	843	27	9243	25
	Mean	2.13	2.11	2.05	2.36	2.02	2.12	Occasionally	7045	48	2499	47	4602	47	1606	48	1627	51	17379	48
	Std Dev	0.91	0.92	0.89	0.92	0.83	0.90	Often	2439	16	854	16	1562	16	716	21	470	15	6041	17
	S.E.M.	0.01	0.01	0.01	0.02	0.01	0.00	Very often	1597	11	571	11	855	9	517	15	221	7	3761	10
Sophomore	Valid N	6548	2237	5824	1427	1345	17381	Never	1250	19	461	21	1436	25	169	12	445	33	3761	22
	Mean	2.34	2.24	2.08	2.55	1.97	2.23	Occasionally	2935	45	1054	47	2976	51	632	44	597	44	8194	47
	Std Dev	0.97	0.92	0.86	0.97	0.89	0.93	Often	1268	19	440	20	924	16	299	21	197	15	3128	18
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	1095	17	282	13	488	8	327	23	106	8	2298	13
Junior	Valid N	4940	2185	4931	1116	1810	14982	Never	1046	21	462	21	1240	25	147	13	558	31	3453	23
	Mean	2.27	2.26	2.10	2.54	2.04	2.20	Occasionally	2270	46	1000	46	2411	49	472	42	783	43	6936	46
	Std Dev	0.96	0.95	0.89	0.99	0.92	0.94	Often	888	18	416	19	815	17	241	22	304	17	2664	18
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	736	15	307	14	465	9	256	23	165	9	1929	13
Senior	Valid N	5899	1900	7128	1835	1665	18427	Never	1366	23	409	22	1744	24	264	14	532	32	4315	23
	Mean	2.17	2.21	2.12	2.42	1.98	2.16	Occasionally	2874	49	920	48	3486	49	868	47	778	47	8926	48
	Std Dev	0.91	0.92	0.89	0.95	0.89	0.91	Often	973	16	334	18	1200	17	364	20	213	13	3084	17
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	686	12	237	12	698	10	339	18	142	9	2102	11
Table Total	Valid N	32169	11670	27653	7741	7981	87214	Never	7363	23	2756	24	7171	26	1104	14	2378	30	20772	24
	Mean	2.20	2.18	2.08	2.44	2.01	2.16	Occasionally	15124	47	5473	47	13475	49	3578	46	3785	47	41435	48
	Std Dev	0.93	0.93	0.88	0.95	0.87	0.92	Often	5568	17	2044	18	4501	16	1620	21	1184	15	14917	17
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	4114	13	1397	12	2506	9	1439	19	634	8	10090	12

**Found something interesting browsing (lib2)**

First-Year	Valid N	14758	5341	9766	3364	3156	36385	Never	6203	42	1968	37	3740	38	973	29	1276	40	14160	39
	Mean	1.77	1.89	1.81	2.00	1.76	1.82	Occasionally	6381	43	2297	43	4529	46	1636	49	1457	46	16300	45
	Std Dev	0.80	0.86	0.78	0.84	0.76	0.81	Often	1563	11	761	14	1128	12	539	16	325	10	4316	12
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	611	4	315	6	369	4	216	6	98	3	1609	4
Sophomore	Valid N	6539	2238	5819	1425	1342	17363	Never	2346	36	633	28	2095	36	317	22	572	43	5963	34
	Mean	1.88	2.09	1.84	2.11	1.73	1.90	Occasionally	3005	46	990	44	2782	48	741	52	605	45	8123	47
	Std Dev	0.84	0.91	0.78	0.84	0.75	0.83	Often	802	12	403	18	728	13	254	18	126	9	2313	13
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	386	6	212	9	214	4	113	8	39	3	964	6
Junior	Valid N	4938	2181	4921	1111	1804	14955	Never	1702	34	620	28	1610	33	201	18	657	36	4790	32
	Mean	1.90	2.10	1.88	2.22	1.85	1.94	Occasionally	2337	47	960	44	2488	51	588	53	844	47	7217	48
	Std Dev	0.84	0.93	0.77	0.86	0.80	0.84	Often	595	12	373	17	631	13	204	18	222	12	2025	14
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	304	6	228	10	192	4	118	11	81	4	923	6
Senior	Valid N	5888	1898	7112	1834	1659	18391	Never	1862	32	450	24	2246	32	337	18	515	31	5410	29
	Mean	1.94	2.32	1.93	2.23	1.95	2.00	Occasionally	2909	49	725	38	3515	49	930	51	806	49	8885	48
	Std Dev	0.83	1.02	0.81	0.87	0.83	0.86	Often	752	13	393	21	983	14	367	20	237	14	2732	15
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	365	6	330	17	368	5	200	11	101	6	1364	7
Table Total	Valid N	32123	11658	27618	7734	7961	87094	Never	12113	38	3671	31	9691	35	1828	24	3020	38	30323	35
	Mean	1.84	2.04	1.86	2.11	1.82	1.89	Occasionally	14632	46	4972	43	13314	48	3895	50	3712	47	40525	47
	Std Dev	0.82	0.92	0.79	0.86	0.79	0.83	Often	3712	12	1930	17	3470	13	1364	18	910	11	11386	13
	S.E.M.	0.00	0.01	0.00	0.01	0.01	0.00	Very often	1666	5	1085	9	1143	4	647	8	319	4	4860	6

**Asked a librarian/staff member for help (lib3)**

First-Year	Valid N	14731	5332	9738	3361	3152	36314	Never	4628	31	1475	28	2761	28	733	22	737	23	10334	28
	Mean	1.93	2.08	2.02	2.09	2.10	2.01	Occasionally	7145	49	2411	45	4601	47	1792	53	1577	50	17526	48
	Std Dev	0.81	0.89	0.84	0.79	0.82	0.83	Often	2253	15	996	19	1785	18	646	19	639	20	6319	17
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	705	5	450	8	591	6	190	6	199	6	2135	6
Sophomore	Valid N	6536	2233	5817	1424	1341	17351	Never	1981	30	465	21	1303	22	420	29	375	28	4544	26
	Mean	1.91	2.17	2.08	1.86	2.01	2.01	Occasionally	3431	52	1111	50	3048	52	819	58	662	49	9071	52
	Std Dev	0.78	0.86	0.80	0.69	0.84	0.80	Often	833	13	465	21	1136	20	153	11	216	16	2803	16
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	291	4	192	9	330	6	32	2	88	7	933	5
Junior	Valid N	4933	2181	4921	1111	1802	14948	Never	1457	30	459	21	1104	22	305	27	466	26	3791	25
	Mean	1.93	2.15	2.09	1.90	2.03	2.02	Occasionally	2592	53	1124	52	2582	52	646	58	919	51	7863	53
	Std Dev	0.78	0.84	0.81	0.71	0.82	0.80	Often	666	14	418	19	930	19	124	11	305	17	2443	16
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	218	4	180	8	305	6	36	3	112	6	851	6
Senior	Valid N	5887	1895	7103	1832	1654	18371	Never	1423	24	340	18	1244	18	348	19	390	24	3745	20
	Mean	2.00	2.24	2.16	2.08	2.08	2.10	Occasionally	3299	56	974	51	3965	56	1085	59	855	52	10178	55
	Std Dev	0.76	0.88	0.79	0.76	0.82	0.79	Often	893	15	368	19	1415	20	295	16	303	18	3274	18
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	272	5	213	11	479	7	104	6	106	6	1174	6
Table Total	Valid N	32087	11641	27579	7728	7949	86984	Never	9489	30	2739	24	6412	23	1806	23	1968	25	22414	26
	Mean	1.94	2.14	2.08	2.02	2.06	2.03	Occasionally	16467	51	5620	48	14196	51	4342	56	4013	50	44638	51
	Std Dev	0.79	0.88	0.81	0.76	0.83	0.81	Often	4645	14	2247	19	5266	19	1218	16	1463	18	14839	17
	S.E.M.	0.00	0.01	0.00	0.01	0.01	0.00	Very often	1486	5	1035	9	1705	6	362	5	505	6	5093	6

**Table 4-7. Individual Items**

		DRU		MA I &		Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total			
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Read assigned material not texts (lib4)</b>																				
First-Year	Valid N	14751	5330	9728	3359	3151	36319	Never	5591	38	1966	37	3951	41	724	22	1192	38	13424	37
	Mean	1.88	1.90	1.82	2.22	1.85	1.90	Occasionally	6152	42	2230	42	3985	41	1529	46	1363	43	15259	42
	Std Dev	0.86	0.86	0.83	0.91	0.82	0.86	Often	2195	15	832	16	1370	14	739	22	463	15	5599	15
	S.E.M.	0.01	0.01	0.01	0.02	0.01	0.00	Very often	813	6	302	6	422	4	367	11	133	4	2037	6
Sophomore	Valid N	6532	2233	5812	1425	1337	17339	Never	1945	30	612	27	1800	31	190	13	510	38	5057	29
	Mean	2.04	2.08	1.95	2.44	1.83	2.03	Occasionally	2922	45	1033	46	2782	48	629	44	602	45	7968	46
	Std Dev	0.89	0.89	0.81	0.91	0.81	0.87	Often	1141	17	392	18	951	16	388	27	168	13	3040	18
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	524	8	196	9	279	5	218	15	57	4	1274	7
Junior	Valid N	4925	2178	4914	1113	1798	14928	Never	1489	30	576	26	1543	31	145	13	611	34	4364	29
	Mean	2.04	2.14	1.96	2.54	1.94	2.05	Occasionally	2168	44	940	43	2312	47	445	40	789	44	6654	45
	Std Dev	0.91	0.92	0.83	0.96	0.85	0.90	Often	829	17	449	21	788	16	297	27	301	17	2664	18
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	439	9	213	10	271	6	226	20	97	5	1246	8
Senior	Valid N	5887	1896	7104	1831	1655	18373	Never	1574	27	478	25	1701	24	246	13	506	31	4505	25
	Mean	2.07	2.09	2.09	2.43	1.98	2.11	Occasionally	2783	47	913	48	3522	50	828	45	765	46	8811	48
	Std Dev	0.87	0.86	0.83	0.90	0.84	0.86	Often	1075	18	360	19	1426	20	480	26	290	18	3631	20
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	455	8	145	8	455	6	277	15	94	6	1426	8
Table Total	Valid N	32095	11637	27558	7728	7941	86959	Never	10599	33	3632	31	8995	33	1305	17	2819	35	27350	31
	Mean	1.97	2.01	1.94	2.36	1.89	1.99	Occasionally	14025	44	5116	44	12601	46	3431	44	3519	44	38692	44
	Std Dev	0.88	0.88	0.83	0.92	0.83	0.87	Often	5240	16	2033	17	4535	16	1904	25	1222	15	14934	17
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very often	2231	7	856	7	1427	5	1088	14	381	5	5983	7

**Used index or database to find material (lib5)**

First-Year	Valid N	14741	5327	9738	3360	3146	36312	Never	2013	14	627	12	1379	14	303	9	436	14	4758	13
	Mean	2.52	2.64	2.55	2.69	2.47	2.56	Occasionally	5678	39	1837	34	3462	36	1200	36	1293	41	13470	37
	Std Dev	0.94	0.96	0.96	0.92	0.92	0.94	Often	4399	30	1671	31	3023	31	1094	33	919	29	11106	31
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	2651	18	1192	22	1874	19	763	23	498	16	6978	19
Sophomore	Valid N	6532	2232	5809	1425	1335	17333	Never	745	11	190	9	583	10	60	4	253	19	1831	11
	Mean	2.59	2.71	2.56	2.85	2.35	2.60	Occasionally	2512	38	749	34	2363	41	483	34	553	41	6660	38
	Std Dev	0.93	0.90	0.89	0.87	0.94	0.92	Often	1982	30	810	36	1880	32	486	34	341	26	5499	32
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	1293	20	483	22	983	17	396	28	188	14	3343	19
Junior	Valid N	4926	2180	4914	1113	1801	14934	Never	517	10	215	10	486	10	46	4	306	17	1570	11
	Mean	2.64	2.70	2.66	3.02	2.42	2.66	Occasionally	1827	37	735	34	1726	35	293	26	718	40	5299	35
	Std Dev	0.94	0.93	0.92	0.89	0.95	0.94	Often	1499	30	723	33	1671	34	370	33	489	27	4752	32
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	1083	22	507	23	1031	21	404	36	288	16	3313	22
Senior	Valid N	5891	1895	7102	1832	1651	18371	Never	453	8	174	9	530	7	41	2	243	15	1441	8
	Mean	2.76	2.75	2.76	3.15	2.51	2.78	Occasionally	1990	34	610	32	2438	34	396	22	622	38	6056	33
	Std Dev	0.92	0.94	0.91	0.84	0.96	0.93	Often	1959	33	621	33	2354	33	634	35	480	29	6048	33
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1489	25	490	26	1780	25	761	42	306	19	4826	26
Table Total	Valid N	32090	11634	27563	7730	7933	86950	Never	3728	12	1206	10	2978	11	450	6	1238	16	9600	11
	Mean	2.60	2.68	2.63	2.88	2.45	2.63	Occasionally	12007	37	3931	34	9989	36	2372	31	3186	40	31485	36
	Std Dev	0.94	0.94	0.93	0.91	0.94	0.94	Often	9839	31	3825	33	8928	32	2584	33	2229	28	27405	32
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	6516	20	2672	23	5668	21	2324	30	1280	16	18460	21

**Wrote bibliography for a term paper (lib6)**

First-Year	Valid N	14734	5330	9726	3358	3142	36290	Never	3407	23	1028	19	2208	23	548	16	557	18	7748	21
	Mean	2.33	2.45	2.35	2.51	2.46	2.38	Occasionally	5384	37	1825	34	3360	35	1206	36	1154	37	12929	36
	Std Dev	1.00	0.99	0.99	0.99	0.98	0.99	Often	3667	25	1531	29	2667	27	942	28	874	28	9681	27
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	2276	15	946	18	1491	15	662	20	557	18	5932	16
Sophomore	Valid N	6532	2234	5801	1425	1342	17334	Never	1406	22	433	19	940	16	202	14	261	19	3242	19
	Mean	2.30	2.40	2.42	2.50	2.34	2.38	Occasionally	2635	40	828	37	2285	39	573	40	565	42	6886	40
	Std Dev	0.96	0.98	0.92	0.95	0.96	0.95	Often	1589	24	613	27	1762	30	383	27	313	23	4660	27
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	902	14	360	16	814	14	267	19	203	15	2546	15
Junior	Valid N	4925	2179	4917	1111	1802	14934	Never	978	20	414	19	820	17	123	11	334	19	2669	18
	Mean	2.38	2.43	2.47	2.74	2.42	2.45	Occasionally	1907	39	792	36	1801	37	350	32	683	38	5533	37
	Std Dev	0.98	0.98	0.96	0.98	0.97	0.98	Often	1246	25	602	28	1471	30	330	30	486	27	4135	28
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	794	16	371	17	825	17	308	28	299	17	2597	17
Senior	Valid N	5887	1895	7107	1831	1655	18375	Never	950	16	421	22	950	13	100	5	271	16	2692	15
	Mean	2.51	2.38	2.62	2.99	2.52	2.59	Occasionally	2195	37	678	36	2423	34	474	26	579	35	6349	35
	Std Dev	0.99	1.02	0.98	0.91	0.99	0.99	Often	1553	26	454	24	2122	30	602	33	478	29	5209	28
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1189	20	342	18	1612	23	655	36	327	20	4125	22
Table Total	Valid N	32078	11638	27551	7725	7941	86933	Never	6741	21	2296	20	4918	18	973	13	1423	18	16351	19
	Mean	2.36	2.42	2.46	2.66	2.44	2.43	Occasionally	12121	38	4123	35	9869	36	2603	34	2981	38	31697	36
	Std Dev	0.99	0.99	0.97	0.98	0.98	0.99	Often	8055	25	3200	27	8022	29	2257	29	2151	27	23685	27
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	5161	16	2019	17	4742	17	1892	24	1386	17	15200	17





**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Used e-mail to communicate with class (comput2)</b>																				
First-Year	Valid N	14760	5340	9766	3365	3158	36389	Never	165	1	448	8	649	7	29	1	236	7	1527	4
	Mean	3.70	3.31	3.27	3.74	3.30	3.50	Occasionally	964	7	750	14	1595	16	188	6	453	14	3950	11
	Std Dev	0.64	1.00	0.96	0.60	0.97	0.85	Often	2018	14	862	16	1990	20	404	12	589	19	5863	16
	S.E.M.	0.01	0.01	0.01	0.01	0.02	0.00	Very often	11613	79	3280	61	5532	57	2744	82	1880	60	25049	69
Sophomore	Valid N	6545	2237	5822	1424	1342	17370	Never	36	1	264	12	327	6	5	0	115	9	747	4
	Mean	3.76	3.19	3.35	3.87	3.23	3.52	Occasionally	354	5	359	16	860	15	39	3	215	16	1827	11
	Std Dev	0.57	1.09	0.93	0.43	1.01	0.85	Often	761	12	304	14	1112	19	91	6	256	19	2524	15
	S.E.M.	0.01	0.02	0.01	0.01	0.03	0.01	Very often	5394	82	1310	59	3523	61	1289	91	756	56	12272	71
Junior	Valid N	4930	2179	4926	1114	1807	14956	Never	77	2	246	11	403	8	4	0	203	11	933	6
	Mean	3.67	3.21	3.20	3.85	3.06	3.39	Occasionally	377	8	342	16	876	18	36	3	356	20	1987	13
	Std Dev	0.68	1.08	1.00	0.46	1.06	0.94	Often	647	13	295	14	962	20	79	7	372	21	2355	16
	S.E.M.	0.01	0.02	0.01	0.01	0.02	0.01	Very often	3829	78	1296	59	2685	55	995	89	876	48	9681	65
Senior	Valid N	5893	1900	7127	1830	1660	18410	Never	105	2	298	16	470	7	6	0	168	10	1047	6
	Mean	3.65	2.93	3.27	3.89	3.13	3.41	Occasionally	492	8	421	22	1216	17	30	2	312	19	2471	13
	Std Dev	0.71	1.14	0.97	0.39	1.05	0.92	Often	748	13	301	16	1348	19	127	7	312	19	2836	15
	S.E.M.	0.01	0.03	0.01	0.01	0.03	0.01	Very often	4548	77	880	46	4093	57	1667	91	868	52	12056	65
Table Total	Valid N	32128	11656	27641	7733	7967	87125	Never	383	1	1256	11	1849	7	44	1	722	9	4254	5
	Mean	3.70	3.20	3.27	3.82	3.20	3.46	Occasionally	2187	7	1872	16	4547	16	293	4	1336	17	10235	12
	Std Dev	0.65	1.06	0.96	0.51	1.02	0.88	Often	4174	13	1762	15	5412	20	701	9	1529	19	13578	16
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very often	25384	79	6766	58	15833	57	6695	87	4380	55	59058	68
<b>Used computer tutorial to learn material (comput3)</b>																				
First-Year	Valid N	14742	5328	9760	3357	3153	36340	Never	5379	36	2164	41	4590	47	1486	44	1525	48	15144	42
	Mean	2.13	2.02	1.87	1.90	1.82	1.99	Occasionally	4625	31	1650	31	2894	30	1073	32	971	31	11213	31
	Std Dev	1.09	1.05	1.00	1.00	0.97	1.05	Often	2213	15	768	14	1262	13	430	13	367	12	5040	14
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	2525	17	746	14	1014	10	368	11	290	9	4943	14
Sophomore	Valid N	6537	2233	5809	1422	1336	17337	Never	2318	35	978	44	2348	40	690	49	517	39	6851	40
	Mean	2.14	1.92	1.98	1.80	1.99	2.02	Occasionally	2156	33	717	32	1932	33	456	32	471	35	5732	33
	Std Dev	1.09	1.01	1.01	0.95	0.99	1.04	Often	900	14	274	12	836	14	149	10	197	15	2356	14
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	1163	18	264	12	693	12	127	9	151	11	2398	14
Junior	Valid N	4928	2175	4924	1112	1806	14945	Never	2018	41	951	44	2216	45	584	53	753	42	6522	44
	Mean	2.02	1.92	1.87	1.73	1.99	1.93	Occasionally	1547	31	709	33	1631	33	335	30	558	31	4780	32
	Std Dev	1.07	1.02	0.98	0.94	1.04	1.02	Often	615	12	250	11	574	12	98	9	258	14	1795	12
	S.E.M.	0.02	0.02	0.01	0.03	0.02	0.01	Very often	748	15	265	12	503	10	95	9	237	13	1848	12
Senior	Valid N	5884	1894	7113	1829	1659	18379	Never	2605	44	861	45	2887	41	794	43	631	38	7778	42
	Mean	1.94	1.88	1.97	1.88	2.04	1.95	Occasionally	1845	31	614	32	2447	34	661	36	553	33	6120	33
	Std Dev	1.05	1.01	1.01	0.98	1.04	1.02	Often	613	10	199	11	891	13	173	9	245	15	2121	12
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	821	14	220	12	888	12	201	11	230	14	2360	13
Table Total	Valid N	32091	11630	27606	7720	7954	87001	Never	12320	38	4954	43	12041	44	3554	46	3426	43	36295	42
	Mean	2.08	1.96	1.92	1.85	1.93	1.98	Occasionally	10173	32	3690	32	8904	32	2525	33	2553	32	27845	32
	Std Dev	1.08	1.03	1.00	0.98	1.01	1.04	Often	4341	14	1491	13	3563	13	850	11	1067	13	11312	13
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	5257	16	1495	13	3098	11	791	10	908	11	11549	13
<b>Joined in electronic class discussions (comput4)</b>																				
First-Year	Valid N	14741	5338	9761	3358	3156	36354	Never	7078	48	2554	48	6272	64	1675	50	2064	65	19643	54
	Mean	1.93	1.94	1.61	1.85	1.59	1.81	Occasionally	3644	25	1311	25	1829	19	872	26	589	19	8245	23
	Std Dev	1.08	1.09	0.96	1.02	0.95	1.04	Often	1928	13	706	13	841	9	456	14	240	8	4171	11
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	2091	14	767	14	819	8	355	11	263	8	4295	12
Sophomore	Valid N	6538	2237	5812	1425	1342	17354	Never	2723	42	1129	50	3353	58	519	36	837	62	8561	49
	Mean	2.03	1.82	1.70	2.06	1.61	1.86	Occasionally	1923	29	627	28	1338	23	488	34	298	22	4674	27
	Std Dev	1.08	1.00	0.97	1.02	0.92	1.03	Often	879	13	246	11	625	11	234	16	107	8	2091	12
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	1013	15	235	11	496	9	184	13	100	7	2028	12
Junior	Valid N	4923	2180	4918	1115	1805	14941	Never	2199	45	1072	49	2866	58	379	34	1140	63	7656	51
	Mean	1.96	1.84	1.69	2.07	1.60	1.82	Occasionally	1428	29	615	28	1171	24	411	37	389	22	4014	27
	Std Dev	1.06	1.01	0.96	0.99	0.92	1.01	Often	612	12	262	12	444	9	195	17	137	8	1650	11
	S.E.M.	0.02	0.02	0.01	0.03	0.02	0.01	Very often	684	14	231	11	437	9	130	12	139	8	1621	11
Senior	Valid N	5887	1897	7116	1832	1660	18392	Never	2375	40	1026	54	3514	49	546	30	999	60	8460	46
	Mean	2.04	1.76	1.83	2.10	1.66	1.90	Occasionally	1848	31	499	26	2043	29	773	42	371	22	5534	30
	Std Dev	1.07	1.00	1.00	0.95	0.97	1.03	Often	744	13	171	9	793	11	304	17	139	8	2151	12
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	920	16	201	11	766	11	209	11	151	9	2247	12
Table Total	Valid N	32089	11652	27607	7730	7963	87041	Never	14375	45	5781	50	16005	58	3119	40	5040	63	44320	51
	Mean	1.98	1.87	1.70	1.98	1.61	1.84	Occasionally	8843	28	3052	26	6381	23	2544	33	1647	21	22467	26
	Std Dev	1.08	1.04	0.98	1.01	0.94	1.03	Often	4163	13	1385	12	2703	10	1189	15	623	8	10063	12
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	4708	15	1434	12	2518	9	878	11	653	8	10191	12











**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Applied class material to other areas (course8)</b>																				
First-Year	Valid N	14737	5339	9755	3353	3147	36331	Never	929	6	375	7	735	8	151	5	214	7	2404	8
	Mean	2.70	2.70	2.63	2.85	2.66	2.69	Occasionally	5641	38	1982	37	3917	40	1090	33	1262	40	13892	38
	Std Dev	0.87	0.88	0.86	0.86	0.87	0.87	Often	5040	34	1854	35	3367	35	1226	37	1058	34	12545	35
	S.E.M.	0.01	0.01	0.01	0.01	0.02	0.00	Very often	3127	21	1128	21	1736	18	886	26	613	19	7490	21
Sophomore	Valid N	6521	2233	5810	1427	1343	17334	Never	270	4	94	4	210	4	30	2	64	5	668	4
	Mean	2.88	2.84	2.86	3.06	2.88	2.88	Occasionally	2039	31	752	34	1873	32	355	25	394	29	5413	31
	Std Dev	0.86	0.86	0.84	0.82	0.86	0.85	Often	2435	37	810	36	2246	39	544	38	522	39	6557	38
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1777	27	577	26	1481	25	498	35	363	27	4696	27
Junior	Valid N	4928	2175	4911	1113	1806	14933	Never	188	4	49	2	131	3	14	1	51	3	433	3
	Mean	2.98	2.99	2.99	3.15	3.02	3.00	Occasionally	1360	28	604	28	1317	27	245	22	439	24	3965	27
	Std Dev	0.87	0.83	0.83	0.80	0.82	0.84	Often	1761	36	834	38	1929	39	415	37	746	41	5685	38
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1619	33	688	32	1534	31	439	39	570	32	4850	32
Senior	Valid N	5889	1893	7111	1830	1660	18383	Never	163	3	29	2	135	2	21	1	31	2	379	2
	Mean	3.07	3.13	3.14	3.25	3.15	3.13	Occasionally	1384	24	415	22	1467	21	326	18	329	20	3921	21
	Std Dev	0.84	0.80	0.81	0.78	0.80	0.81	Often	2193	37	729	39	2754	39	666	36	655	39	6997	38
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	2149	36	720	38	2755	39	817	45	645	39	7086	39
Table Total	Valid N	32075	11640	27587	7723	7956	86981	Never	1550	5	547	5	1211	4	216	3	360	5	3884	4
	Mean	2.85	2.85	2.87	3.02	2.88	2.88	Occasionally	10424	32	3753	32	8574	31	2016	26	2424	30	27191	31
	Std Dev	0.88	0.87	0.86	0.85	0.86	0.87	Often	11429	36	4227	36	10296	37	2851	37	2981	37	31784	37
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very often	8672	27	3113	27	7506	27	2640	34	2191	28	24122	28
<b>Used info. from other areas in class (course9)</b>																				
First-Year	Valid N	14718	5333	9745	3353	3149	36298	Never	668	5	296	6	608	6	105	3	142	5	1819	5
	Mean	2.78	2.76	2.68	2.88	2.73	2.76	Occasionally	5156	35	1880	35	3783	39	1061	32	1199	38	13079	36
	Std Dev	0.84	0.86	0.85	0.83	0.83	0.85	Often	5634	38	1944	36	3473	36	1309	39	1178	37	13538	37
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	3260	22	1213	23	1881	19	878	26	630	20	7862	22
Sophomore	Valid N	6517	2231	5808	1427	1340	17323	Never	289	4	114	5	226	4	57	4	58	4	744	4
	Mean	2.83	2.79	2.82	2.86	2.83	2.83	Occasionally	2145	33	783	35	1927	33	477	33	451	34	5783	33
	Std Dev	0.85	0.87	0.83	0.87	0.86	0.85	Often	2450	38	801	36	2312	40	502	35	487	36	6552	38
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1633	25	533	24	1343	23	391	27	344	26	4244	24
Junior	Valid N	4922	2175	4907	1113	1807	14924	Never	205	4	81	4	146	3	23	2	54	3	509	3
	Mean	2.91	2.93	2.94	2.98	2.99	2.94	Occasionally	1477	30	627	29	1421	29	332	30	470	26	4327	29
	Std Dev	0.86	0.85	0.84	0.84	0.83	0.85	Often	1814	37	824	38	1901	39	404	36	732	41	5675	38
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	1426	29	643	30	1439	29	354	32	551	30	4413	30
Senior	Valid N	5884	1887	7109	1826	1659	18365	Never	191	3	43	2	157	2	33	2	35	2	459	2
	Mean	2.99	3.08	3.07	3.07	3.15	3.05	Occasionally	1612	27	450	24	1664	23	455	25	344	21	4525	25
	Std Dev	0.86	0.83	0.82	0.82	0.82	0.83	Often	2150	37	702	37	2823	40	688	38	621	37	6984	38
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1931	33	692	37	2465	35	650	36	659	40	6397	35
Table Total	Valid N	32041	11626	27569	7719	7955	86910	Never	1353	4	534	5	1137	4	218	3	289	4	3531	4
	Mean	2.85	2.85	2.86	2.94	2.89	2.86	Occasionally	10390	32	3740	32	8795	32	2325	30	2464	31	27714	32
	Std Dev	0.85	0.87	0.85	0.84	0.85	0.85	Often	12048	38	4271	37	10509	38	2903	38	3018	38	32749	38
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very often	8250	26	3081	27	7128	26	2273	29	2184	27	22916	26
<b>Explained course material to others (course10)</b>																				
First-Year	Valid N	14721	5332	9750	3353	3143	36299	Never	193	1	234	4	257	3	55	2	73	2	812	2
	Mean	3.01	2.86	2.86	3.05	2.89	2.94	Occasionally	3932	27	1633	31	3195	33	796	24	982	31	10538	29
	Std Dev	0.79	0.84	0.81	0.79	0.80	0.81	Often	6179	42	2136	40	3929	40	1413	42	1318	42	14975	41
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	4417	30	1329	25	2369	24	1089	32	770	24	9974	27
Sophomore	Valid N	6517	2234	5809	1424	1341	17325	Never	63	1	140	6	78	1	12	1	31	2	324	2
	Mean	3.09	2.88	2.98	3.16	2.94	3.02	Occasionally	1525	23	609	27	1569	27	290	20	390	29	4383	25
	Std Dev	0.78	0.89	0.78	0.77	0.81	0.80	Often	2692	41	867	39	2536	44	574	40	551	41	7220	42
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	2237	34	618	28	1626	28	548	38	369	28	5398	31
Junior	Valid N	4924	2174	4903	1113	1803	14917	Never	48	1	106	5	56	1	6	1	24	1	240	2
	Mean	3.11	2.97	3.03	3.21	3.02	3.06	Occasionally	1152	23	559	26	1263	26	210	19	467	26	3651	24
	Std Dev	0.79	0.88	0.78	0.76	0.79	0.80	Often	1950	40	793	36	2084	43	436	39	761	42	6024	40
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1774	36	716	33	1500	31	461	41	551	31	5002	34
Senior	Valid N	5888	1889	7115	1829	1654	18375	Never	57	1	146	8	85	1	4	0	24	1	316	2
	Mean	3.11	2.91	3.09	3.22	3.05	3.09	Occasionally	1355	23	496	26	1648	23	364	20	399	24	4262	23
	Std Dev	0.79	0.94	0.78	0.76	0.79	0.80	Often	2356	40	638	34	2944	41	688	38	697	42	7323	40
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	2120	36	609	32	2438	34	773	42	534	32	6474	35
Table Total	Valid N	32050	11629	27577	7719	7941	86916	Never	361	1	626	5	476	2	77	1	152	2	1692	2
	Mean	3.06	2.89	2.97	3.14	2.96	3.01	Occasionally	7964	25	3297	28	7675	28	1660	22	2238	28	22834	26
	Std Dev	0.79	0.88	0.80	0.78	0.80	0.81	Often	13177	41	4434	38	11493	42	3111	40	3327	42	35542	41
	S.E.M.	0.00	0.01	0.00	0.01	0.01	0.00	Very often	10548	33	3272	28	7933	29	2871	37	2224	28	26848	31





**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Asked others to read your writing (write3)</b>																				
First-Year	Valid N	14654	5314	9736	3348	3140	36192	Never	1053	7	338	6	623	6	205	6	145	5	2364	7
	Mean	2.88	2.97	2.99	2.95	3.08	2.95	Occasionally	4377	30	1410	27	2416	25	923	28	716	23	9842	27
	Std Dev	0.94	0.94	0.93	0.93	0.90	0.94	Often	4517	31	1663	31	3140	32	1048	31	1037	33	11405	32
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	4707	32	1903	36	3557	37	1172	35	1242	40	12581	35
Sophomore	Valid N	6477	2214	5791	1426	1338	17246	Never	627	10	211	10	351	6	138	10	84	6	1411	8
	Mean	2.71	2.83	2.92	2.67	2.94	2.81	Occasionally	2324	36	663	30	1640	28	559	39	366	27	5552	32
	Std Dev	0.96	0.98	0.92	0.96	0.93	0.95	Often	1847	29	639	29	1915	33	364	26	440	33	5205	30
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	1679	26	701	32	1885	33	365	26	448	33	5078	29
Junior	Valid N	4892	2158	4904	1112	1806	14872	Never	493	10	218	10	331	7	125	11	130	7	1297	9
	Mean	2.72	2.74	2.90	2.66	2.90	2.80	Occasionally	1712	35	714	33	1435	29	408	37	508	28	4777	32
	Std Dev	0.97	0.97	0.94	0.98	0.94	0.96	Often	1353	28	635	29	1546	32	295	27	587	33	4416	30
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	1334	27	591	27	1592	32	284	26	581	32	4382	29
Senior	Valid N	5860	1887	7099	1831	1662	18339	Never	539	9	187	10	451	6	153	8	100	6	1430	8
	Mean	2.71	2.74	2.87	2.77	2.92	2.80	Occasionally	2097	36	653	35	2198	31	641	35	469	28	6058	33
	Std Dev	0.95	0.98	0.93	0.96	0.92	0.94	Often	1722	29	513	27	2251	32	515	28	554	33	5555	30
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1502	26	534	28	2199	31	522	29	539	32	5296	29
Table Total	Valid N	31883	11573	27530	7717	7946	86649	Never	2712	9	954	8	1756	6	621	8	459	6	6502	8
	Mean	2.79	2.86	2.93	2.81	2.98	2.86	Occasionally	10510	33	3440	30	7689	28	2531	33	2059	26	26229	30
	Std Dev	0.96	0.96	0.93	0.96	0.92	0.95	Often	9439	30	3450	30	8852	32	2222	29	2618	33	26581	31
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	9222	29	3729	32	9233	34	2343	30	2810	35	27337	32

**Referred to a style manual (write4)**

First-Year	Valid N	14648	5312	9734	3349	3138	36181	Never	2351	16	726	14	1079	11	503	15	226	7	4885	14
	Mean	2.47	2.63	2.67	2.55	2.80	2.58	Occasionally	5818	40	1773	33	3357	34	1213	36	1016	32	13177	36
	Std Dev	0.97	0.99	0.96	0.99	0.92	0.97	Often	3759	26	1570	30	2986	31	918	27	1046	33	10279	28
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	2720	19	1243	23	2312	24	715	21	850	27	7840	22
Sophomore	Valid N	6478	2213	5791	1424	1339	17245	Never	1396	22	479	22	587	10	338	24	129	10	2929	17
	Mean	2.29	2.40	2.63	2.17	2.65	2.43	Occasionally	2770	43	796	36	2215	38	670	47	528	39	6979	40
	Std Dev	0.96	1.03	0.93	0.93	0.94	0.97	Often	1377	21	511	23	1752	30	247	17	370	28	4257	25
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	935	14	427	19	1237	21	169	12	312	23	3080	18
Junior	Valid N	4885	2154	4901	1111	1808	14859	Never	964	20	515	24	575	12	270	24	207	11	2531	17
	Mean	2.31	2.34	2.60	2.19	2.65	2.45	Occasionally	2139	44	762	35	1907	39	500	45	620	34	5928	40
	Std Dev	0.95	1.02	0.96	0.95	0.95	0.98	Often	1064	22	505	23	1316	27	197	18	571	32	3653	25
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	718	15	372	17	1103	23	144	13	410	23	2747	18
Senior	Valid N	5853	1888	7096	1828	1660	18325	Never	1194	20	524	28	929	13	306	17	190	11	3143	17
	Mean	2.31	2.29	2.57	2.40	2.68	2.45	Occasionally	2547	44	631	33	2760	39	796	44	563	34	7297	40
	Std Dev	0.96	1.06	0.97	0.96	0.97	0.99	Often	1223	21	386	20	1861	26	406	22	496	30	4372	24
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	889	15	347	18	1546	22	320	18	411	25	3513	19
Table Total	Valid N	31864	11567	27522	7712	7945	86610	Never	5905	19	2244	19	3170	12	1417	18	752	9	13488	16
	Mean	2.38	2.48	2.62	2.40	2.72	2.50	Occasionally	13274	42	3962	34	10239	37	3179	41	2727	34	33381	39
	Std Dev	0.97	1.02	0.96	0.98	0.94	0.98	Often	7423	23	2972	26	7915	29	1768	23	2483	31	22561	26
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	5262	17	2389	21	6198	23	1348	17	1983	25	17180	20

**Revised a paper two or more times (write5)**

First-Year	Valid N	14646	5314	9728	3352	3143	36183	Never	1376	9	589	11	835	9	284	8	255	8	3339	9
	Mean	2.81	2.77	2.86	2.85	2.91	2.83	Occasionally	4454	30	1618	30	2766	28	1014	30	835	27	10687	30
	Std Dev	0.97	1.00	0.96	0.97	0.96	0.97	Often	4393	30	1508	28	3077	32	987	29	1005	32	10970	30
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	4423	30	1599	30	3050	31	1067	32	1048	33	11187	31
Sophomore	Valid N	6475	2214	5800	1426	1340	17255	Never	849	13	375	17	566	10	217	15	106	8	2113	12
	Mean	2.65	2.59	2.75	2.61	2.78	2.68	Occasionally	2205	34	715	32	1887	33	490	34	463	35	5760	33
	Std Dev	1.00	1.04	0.96	1.03	0.95	0.99	Often	1780	27	558	25	1786	31	349	24	389	29	4862	28
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	1641	25	566	26	1561	27	370	26	382	29	4520	26
Junior	Valid N	4887	2157	4895	1112	1807	14858	Never	674	14	375	17	526	11	168	15	175	10	1918	13
	Mean	2.66	2.56	2.74	2.67	2.76	2.68	Occasionally	1587	32	730	34	1576	32	355	32	564	31	4812	32
	Std Dev	1.01	1.04	0.98	1.05	0.95	1.00	Often	1340	27	527	24	1455	30	268	24	593	33	4183	28
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	1286	26	525	24	1338	27	321	29	475	26	3945	27
Senior	Valid N	5861	1887	7104	1828	1659	18339	Never	730	12	402	21	795	11	229	13	156	9	2312	13
	Mean	2.67	2.50	2.73	2.73	2.78	2.69	Occasionally	2017	34	597	32	2318	33	579	32	532	32	6043	33
	Std Dev	1.00	1.08	0.99	1.02	0.97	1.00	Often	1587	27	436	23	2019	28	476	26	492	30	5010	27
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1527	26	452	24	1972	28	544	30	479	29	4974	27
Table Total	Valid N	31869	11572	27527	7718	7949	86635	Never	3629	11	1741	15	2722	10	898	12	692	9	9682	11
	Mean	2.73	2.65	2.78	2.75	2.82	2.75	Occasionally	10263	32	3660	32	8547	31	2438	32	2394	30	27302	32
	Std Dev	0.99	1.03	0.97	1.01	0.96	0.99	Often	9100	29	3029	26	8337	30	2080	27	2479	31	25025	29
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	8877	28	3142	27	7921	29	2302	30	2384	30	24626	28

**Table 4-7. Individual Items**

		DRU		MA I &			Table		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Ext	DRU Int	II	BA Lib	BA Gen	Total		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Asked for writing advice (write6)</b>																				
First-Year	Valid N	14643	5308	9728	3350	3139	36168	Never	2721	19	832	16	2105	22	582	17	490	16	6730	19
	Mean	2.41	2.47	2.36	2.43	2.48	2.41	Occasionally	5687	39	2121	40	3669	38	1308	39	1242	40	14027	39
	Std Dev	0.98	0.96	1.00	0.97	0.96	0.98	Often	3732	25	1389	26	2319	24	888	27	831	26	9159	25
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	2503	17	966	18	1635	17	572	17	576	18	6252	17
Sophomore	Valid N	6473	2216	5800	1427	1335	17251	Never	1845	29	448	20	1337	23	408	29	328	25	4366	25
	Mean	2.14	2.33	2.23	2.10	2.23	2.20	Occasionally	2633	41	914	41	2499	43	610	43	547	41	7203	42
	Std Dev	0.96	0.96	0.94	0.93	0.96	0.95	Often	1241	19	535	24	1253	22	263	18	288	22	3580	21
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	754	12	319	14	711	12	146	10	172	13	2102	12
Junior	Valid N	4886	2154	4896	1111	1805	14852	Never	1383	28	490	23	1414	29	320	29	455	25	4062	27
	Mean	2.13	2.23	2.11	2.10	2.20	2.15	Occasionally	2054	42	931	43	2032	42	463	42	753	42	6233	42
	Std Dev	0.95	0.94	0.94	0.93	0.95	0.95	Often	886	18	471	22	931	19	222	20	387	21	2897	20
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	563	12	262	12	519	11	106	10	210	12	1660	11
Senior	Valid N	5860	1889	7095	1825	1659	18328	Never	1796	31	404	21	1859	26	443	24	423	25	4925	27
	Mean	2.07	2.31	2.17	2.20	2.21	2.16	Occasionally	2483	42	761	40	3037	43	813	45	681	41	7775	42
	Std Dev	0.94	0.96	0.95	0.95	0.97	0.95	Often	967	17	457	24	1368	19	334	18	342	21	3468	19
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	614	10	267	14	831	12	235	13	213	13	2160	12
Table Total	Valid N	31862	11567	27519	7713	7938	86599	Never	7745	24	2174	19	6715	24	1753	23	1696	21	20083	23
	Mean	2.25	2.37	2.24	2.27	2.31	2.27	Occasionally	12857	40	4727	41	11237	41	3194	41	3223	41	35238	41
	Std Dev	0.98	0.96	0.97	0.96	0.97	0.97	Often	6826	21	2852	25	5871	21	1707	22	1848	23	19104	22
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	4434	14	1814	16	3696	13	1059	14	1171	15	12174	14

**Prepared major report for class (write7)**

First-Year	Valid N	14648	5306	9724	3351	3141	36170	Never	11436	78	3799	72	7845	81	2545	76	2342	75	27967	77
	Mean	1.33	1.45	1.31	1.36	1.39	1.35	Occasionally	2071	14	901	17	1091	11	509	15	501	16	5073	14
	Std Dev	0.72	0.81	0.72	0.74	0.77	0.74	Often	624	4	356	7	436	4	180	5	174	6	1770	5
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	517	4	250	5	352	4	117	3	124	4	1360	4
Sophomore	Valid N	6475	2217	5801	1426	1338	17257	Never	4009	62	1332	60	4010	69	850	60	724	54	10925	63
	Mean	1.54	1.58	1.46	1.55	1.70	1.53	Occasionally	1727	27	598	27	1178	20	424	30	392	29	4319	25
	Std Dev	0.81	0.84	0.79	0.78	0.91	0.82	Often	441	7	170	8	374	6	100	7	125	9	1210	7
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	298	5	117	5	239	4	52	4	97	7	803	5
Junior	Valid N	4890	2157	4908	1110	1806	14871	Never	2468	50	984	46	2880	59	446	40	870	48	7648	51
	Mean	1.73	1.79	1.61	1.86	1.78	1.72	Occasionally	1634	33	777	36	1362	28	451	41	600	33	4824	32
	Std Dev	0.91	0.89	0.87	0.88	0.92	0.89	Often	420	9	254	12	369	8	139	13	196	11	1378	9
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	368	8	142	7	297	6	74	7	140	8	1021	7
Senior	Valid N	5861	1887	7099	1829	1660	18336	Never	2108	36	596	32	2546	36	378	21	518	31	6146	34
	Mean	2.00	2.13	2.03	2.34	2.08	2.07	Occasionally	2272	39	691	37	2641	37	758	41	691	42	7053	38
	Std Dev	0.96	1.01	1.00	0.98	0.97	0.99	Often	871	15	351	19	1053	15	390	21	247	15	2912	16
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	610	10	249	13	859	12	303	17	204	12	2225	12
Table Total	Valid N	31874	11567	27532	7716	7945	86634	Never	20021	63	6711	58	17281	63	4219	55	4454	56	52686	61
	Mean	1.56	1.65	1.58	1.70	1.68	1.60	Occasionally	7704	24	2967	26	6272	23	2142	28	2184	27	21269	25
	Std Dev	0.86	0.90	0.89	0.92	0.91	0.88	Often	2356	7	1131	10	2232	8	809	10	742	9	7270	8
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very often	1793	6	758	7	1747	6	546	7	565	7	5409	6

**Asked instructor for course information (fac1)**

First-Year	Valid N	14633	5305	9716	3346	3132	36132	Never	582	4	415	8	561	6	96	3	145	5	1799	5
	Mean	2.69	2.65	2.63	2.81	2.71	2.68	Occasionally	6184	42	2044	39	4172	43	1233	37	1238	40	14871	41
	Std Dev	0.82	0.88	0.84	0.82	0.83	0.84	Often	5038	34	1810	34	3258	34	1240	37	1130	36	12476	35
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	2829	19	1036	20	1725	18	777	23	619	20	6986	19
Sophomore	Valid N	6476	2217	5790	1424	1340	17247	Never	286	4	175	8	206	4	26	2	54	4	747	4
	Mean	2.68	2.68	2.75	2.85	2.78	2.72	Occasionally	2793	43	843	38	2258	39	532	37	496	37	6922	40
	Std Dev	0.84	0.90	0.82	0.83	0.85	0.84	Often	2112	33	717	32	2111	36	500	35	476	36	5916	34
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1285	20	482	22	1215	21	366	26	314	23	3662	21
Junior	Valid N	4885	2157	4892	1112	1801	14847	Never	179	4	141	7	159	3	22	2	57	3	558	4
	Mean	2.74	2.76	2.79	2.95	2.85	2.79	Occasionally	1995	41	764	35	1841	38	347	31	608	34	5555	37
	Std Dev	0.84	0.90	0.83	0.83	0.84	0.85	Often	1637	34	723	34	1784	36	410	37	678	38	5232	35
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1074	22	529	25	1108	23	333	30	458	25	3502	24
Senior	Valid N	5858	1887	7099	1828	1658	18330	Never	164	3	121	6	149	2	18	1	34	2	486	3
	Mean	2.79	2.75	2.91	3.05	2.94	2.87	Occasionally	2262	39	705	37	2313	33	528	29	486	29	6294	34
	Std Dev	0.83	0.90	0.82	0.83	0.81	0.84	Often	2053	35	594	31	2659	37	631	35	676	41	6613	36
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1379	24	467	25	1978	28	651	36	462	28	4937	27
Table Total	Valid N	31852	11566	27497	7710	7931	86556	Never	1211	4	852	7	1075	4	162	2	290	4	3590	4
	Mean	2.71	2.69	2.76	2.89	2.80	2.75	Occasionally	13234	42	4356	38	10584	38	2640	34	2828	36	33642	39
	Std Dev	0.83	0.89	0.84	0.83	0.84	0.84	Often	10840	34	3844	33	9812	36	2781	36	2960	37	30237	35
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very often	6567	21	2514	22	6026	22	2127	28	1853	23	19087	22

**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Discussed academic program with faculty (fac2)</b>																				
First-Year	Valid N	14637	5301	9708	3345	3129	36120	Never	1570	11	750	14	1296	13	195	6	196	6	4007	11
	Mean	2.41	2.38	2.39	2.58	2.59	2.43	Occasionally	7297	50	2430	46	4527	47	1560	47	1388	44	17202	48
	Std Dev	0.84	0.87	0.87	0.83	0.83	0.85	Often	3937	27	1469	28	2674	28	1033	31	1040	33	10153	28
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	1833	13	652	12	1211	12	557	17	505	16	4758	13
Sophomore	Valid N	6471	2216	5784	1426	1340	17237	Never	673	10	304	14	489	8	71	5	89	7	1626	9
	Mean	2.42	2.43	2.54	2.64	2.65	2.50	Occasionally	3256	50	961	43	2569	44	627	44	544	41	7957	46
	Std Dev	0.84	0.89	0.85	0.83	0.86	0.85	Often	1723	27	643	29	1846	32	472	33	454	34	5138	30
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	819	13	308	14	880	15	256	18	253	19	2516	15
Junior	Valid N	4882	2158	4887	1112	1801	14840	Never	587	12	250	12	382	8	55	5	100	6	1374	9
	Mean	2.42	2.51	2.59	2.70	2.70	2.54	Occasionally	2335	48	917	42	2074	42	460	41	695	39	6481	44
	Std Dev	0.87	0.91	0.86	0.86	0.85	0.88	Often	1295	27	626	29	1580	32	361	32	647	36	4509	30
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	665	14	365	17	851	17	236	21	359	20	2476	17
Senior	Valid N	5855	1884	7094	1828	1658	18319	Never	736	13	222	12	385	5	84	5	66	4	1493	8
	Mean	2.42	2.52	2.70	2.79	2.75	2.60	Occasionally	2765	47	793	42	2862	40	707	39	645	39	7772	42
	Std Dev	0.88	0.92	0.86	0.89	0.84	0.88	Often	1533	26	535	28	2365	33	548	30	587	35	5568	30
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	821	14	334	18	1482	21	489	27	360	22	3486	19
Table Total	Valid N	31845	11559	27473	7711	7928	86516	Never	3566	11	1526	13	2552	9	405	5	451	6	8500	10
	Mean	2.41	2.44	2.54	2.66	2.66	2.50	Occasionally	15653	49	5101	44	12032	44	3354	43	3272	41	39412	46
	Std Dev	0.85	0.89	0.87	0.85	0.84	0.87	Often	8488	27	3273	28	8465	31	2414	31	2728	34	25368	29
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very often	4138	13	1659	14	4424	16	1538	20	1477	19	13236	15
<b>Discussed term paper with faculty (fac3)</b>																				
First-Year	Valid N	14618	5295	9707	3342	3130	36092	Never	3020	21	974	18	2404	25	469	14	592	19	7459	21
	Mean	2.20	2.28	2.14	2.40	2.25	2.22	Occasionally	6914	47	2408	45	4390	45	1520	45	1461	47	16693	46
	Std Dev	0.87	0.88	0.88	0.89	0.88	0.88	Often	3358	23	1358	26	2102	22	911	27	767	25	8496	24
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	1326	9	555	10	811	8	442	13	310	10	3444	10
Sophomore	Valid N	6469	2212	5788	1426	1338	17233	Never	1451	22	408	18	1134	20	135	9	248	19	3376	20
	Mean	2.17	2.31	2.22	2.46	2.28	2.24	Occasionally	3052	47	969	44	2772	48	703	49	613	46	8109	47
	Std Dev	0.87	0.91	0.86	0.85	0.89	0.88	Often	1402	22	572	26	1360	23	390	27	332	25	4056	24
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	564	9	263	12	522	9	198	14	145	11	1692	10
Junior	Valid N	4875	2155	4883	1112	1796	14821	Never	900	18	300	14	894	18	76	7	264	15	2434	16
	Mean	2.26	2.42	2.27	2.64	2.36	2.33	Occasionally	2339	48	965	45	2293	47	465	42	818	46	6880	46
	Std Dev	0.88	0.90	0.88	0.87	0.86	0.89	Often	1104	23	577	27	1197	25	352	32	519	29	3749	25
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	532	11	313	15	499	10	219	20	195	11	1758	12
Senior	Valid N	5849	1885	7088	1825	1655	18302	Never	823	14	233	12	774	11	60	3	164	10	2054	11
	Mean	2.36	2.51	2.48	2.84	2.55	2.49	Occasionally	2818	48	781	41	3184	45	657	36	693	42	8133	44
	Std Dev	0.88	0.91	0.87	0.85	0.89	0.89	Often	1459	25	553	29	2079	29	626	34	518	31	5235	29
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	749	13	318	17	1051	15	482	26	280	17	2880	16
Table Total	Valid N	31811	11547	27466	7705	7919	86448	Never	6194	19	1915	17	5206	19	740	10	1268	16	15323	18
	Mean	2.23	2.35	2.27	2.55	2.34	2.30	Occasionally	15123	48	5123	44	12639	46	3345	43	3585	45	39815	46
	Std Dev	0.88	0.90	0.89	0.89	0.88	0.89	Often	7323	23	3060	27	6738	25	2279	30	2136	27	21536	25
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very often	3171	10	1449	13	2883	10	1341	17	930	12	9774	11
<b>Discussed career plans with faculty (fac4)</b>																				
First-Year	Valid N	14619	5298	9696	3339	3128	36080	Never	4259	29	1636	31	2843	29	931	28	706	23	10375	29
	Mean	2.04	2.02	2.05	2.07	2.18	2.06	Occasionally	6704	46	2318	44	4336	45	1506	45	1450	46	16314	45
	Std Dev	0.88	0.89	0.90	0.89	0.89	0.89	Often	2493	17	934	18	1705	18	625	19	662	21	6419	18
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	1163	8	410	8	812	8	277	8	310	10	2972	8
Sophomore	Valid N	6470	2211	5771	1426	1339	17217	Never	1760	27	710	32	1401	24	401	28	290	22	4562	26
	Mean	2.06	2.03	2.14	2.06	2.23	2.10	Occasionally	3059	47	921	42	2702	47	657	46	601	45	7940	46
	Std Dev	0.87	0.92	0.89	0.89	0.92	0.89	Often	1130	17	387	18	1133	20	247	17	295	22	3192	19
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	521	8	193	9	535	9	121	8	153	11	1523	9
Junior	Valid N	4884	2155	4882	1110	1799	14830	Never	1272	26	586	27	1118	23	216	19	326	18	3518	24
	Mean	2.11	2.14	2.19	2.27	2.33	2.18	Occasionally	2296	47	917	43	2231	46	527	47	768	43	6739	45
	Std Dev	0.90	0.95	0.91	0.92	0.91	0.92	Often	840	17	408	19	1007	21	223	20	486	27	2964	20
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	476	10	244	11	526	11	144	13	219	12	1609	11
Senior	Valid N	5855	1884	7087	1827	1658	18311	Never	1280	22	519	28	1070	15	160	9	223	13	3252	18
	Mean	2.22	2.21	2.43	2.64	2.51	2.37	Occasionally	2717	46	715	38	3085	44	752	41	678	41	7947	43
	Std Dev	0.92	1.00	0.94	0.92	0.94	0.95	Often	1170	20	377	20	1714	24	509	28	453	27	4223	23
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	688	12	273	14	1218	17	406	22	304	18	2889	16
Table Total	Valid N	31828	11548	27436	7702	7924	86438	Never	8571	27	3451	30	6432	23	1708	22	1545	19	21707	25
	Mean	2.09	2.08	2.19	2.23	2.29	2.15	Occasionally	14776	46	4871	42	12354	45	3442	45	3497	44	38940	45
	Std Dev	0.89	0.93	0.92	0.93	0.92	0.92	Often	5633	18	2106	18	5559	20	1604	21	1896	24	16798	19
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	2848	9	1120	10	3091	11	948	12	986	12	8993	10

**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Worked harder due to instructor feedback (fac5)</b>																				
First-Year	Valid N	14617	5300	9708	3339	3131	36095	Never	2112	14	865	16	1514	16	314	9	396	13	5201	14
	Mean	2.48	2.47	2.44	2.65	2.53	2.49	Occasionally	5519	38	1893	36	3709	38	1146	34	1143	37	13410	37
	Std Dev	0.91	0.94	0.91	0.89	0.90	0.91	Often	4847	33	1747	33	3178	33	1257	38	1121	36	12150	34
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	2139	15	795	15	1307	13	622	19	471	15	5334	15
Sophomore	Valid N	6464	2211	5782	1423	1336	17216	Never	1025	16	468	21	722	12	125	9	151	11	2491	14
	Mean	2.46	2.39	2.52	2.67	2.58	2.50	Occasionally	2394	37	741	34	2176	38	492	35	495	37	6298	37
	Std Dev	0.93	0.98	0.89	0.89	0.90	0.92	Often	2092	32	674	30	2052	35	530	37	458	34	5806	34
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	953	15	328	15	832	14	276	19	232	17	2621	15
Junior	Valid N	4873	2155	4884	1111	1797	14820	Never	702	14	379	18	539	11	104	9	178	10	1902	13
	Mean	2.51	2.49	2.57	2.74	2.63	2.56	Occasionally	1769	36	716	33	1830	37	337	30	630	35	5282	36
	Std Dev	0.93	0.97	0.89	0.91	0.88	0.92	Often	1597	33	686	32	1709	35	418	38	675	38	5085	34
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	805	17	374	17	806	17	252	23	314	17	2551	17
Senior	Valid N	5851	1883	7087	1823	1654	18298	Never	733	13	335	18	641	9	89	5	116	7	1914	10
	Mean	2.54	2.47	2.68	2.91	2.75	2.64	Occasionally	2221	38	663	35	2456	35	522	29	546	33	6408	35
	Std Dev	0.92	0.98	0.90	0.88	0.88	0.92	Often	1900	32	547	29	2545	36	668	37	628	38	6288	34
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	997	17	338	18	1445	20	544	30	364	22	3688	20
Table Total	Valid N	31805	11549	27461	7696	7918	86429	Never	4572	14	2047	18	3416	12	632	8	841	11	11508	13
	Mean	2.49	2.46	2.54	2.73	2.61	2.53	Occasionally	11903	37	4013	35	10171	37	2497	32	2814	36	31398	36
	Std Dev	0.92	0.96	0.90	0.89	0.89	0.92	Often	10436	33	3654	32	9484	35	2873	37	2882	36	29329	34
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	4894	15	1835	16	4390	16	1694	22	1381	17	14194	16

**Socialized with faculty outside of class (fac6)**

First-Year	Valid N	14614	5301	9703	3340	3126	36084	Never	9182	63	3154	59	5881	61	1570	47	1536	49	21323	59
	Mean	1.51	1.59	1.57	1.76	1.79	1.59	Occasionally	3921	27	1415	27	2520	26	1188	36	954	31	9998	28
	Std Dev	0.77	0.84	0.84	0.87	0.94	0.83	Often	1005	7	473	9	848	9	399	12	396	13	3121	9
	S.E.M.	0.01	0.01	0.01	0.01	0.02	0.00	Very often	506	3	259	5	454	5	183	5	240	8	1642	5
Sophomore	Valid N	6464	2213	5779	1424	1337	17217	Never	3813	59	1224	55	3292	57	639	45	596	45	9564	56
	Mean	1.56	1.64	1.63	1.73	1.84	1.63	Occasionally	1911	30	672	30	1635	28	594	42	458	34	5270	31
	Std Dev	0.79	0.85	0.85	0.81	0.93	0.84	Often	491	8	206	9	574	10	125	9	179	13	1575	9
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	249	4	111	5	278	5	66	5	104	8	808	5
Junior	Valid N	4883	2154	4888	1112	1800	14837	Never	2688	55	1028	48	2768	57	392	35	828	46	7704	52
	Mean	1.61	1.74	1.64	1.91	1.82	1.69	Occasionally	1606	33	790	37	1414	29	519	47	598	33	4927	33
	Std Dev	0.80	0.86	0.87	0.88	0.93	0.86	Often	384	8	210	10	424	9	107	10	238	13	1363	9
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	205	4	126	6	282	6	94	8	136	8	843	6
Senior	Valid N	5853	1882	7086	1825	1657	18303	Never	2897	49	776	41	3061	43	417	23	550	33	7701	42
	Mean	1.69	1.89	1.87	2.18	2.05	1.86	Occasionally	2172	37	692	37	2470	35	882	48	650	39	6866	38
	Std Dev	0.83	0.93	0.94	0.92	0.97	0.92	Often	479	8	256	14	950	13	301	16	273	16	2259	12
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	305	5	158	8	605	9	225	12	184	11	1477	8
Table Total	Valid N	31814	11550	27456	7701	7920	86441	Never	18580	58	6182	54	15002	55	3018	39	3510	44	46292	54
	Mean	1.57	1.68	1.67	1.88	1.86	1.67	Occasionally	9610	30	3569	31	8039	29	3183	41	2660	34	27061	31
	Std Dev	0.80	0.87	0.88	0.89	0.95	0.86	Often	2359	7	1145	10	2796	10	932	12	1086	14	8318	10
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very often	1265	4	654	6	1619	6	568	7	664	8	4770	6

**Discussed with others outside of class (fac7)**

First-Year	Valid N	14606	5297	9701	3339	3126	36069	Never	7478	51	2634	50	5028	52	1393	42	1348	43	17881	50
	Mean	1.69	1.74	1.70	1.87	1.85	1.73	Occasionally	4916	34	1683	32	3043	31	1229	37	1122	36	11993	33
	Std Dev	0.84	0.88	0.87	0.90	0.92	0.87	Often	1518	10	686	13	1108	11	490	15	422	13	4224	12
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	694	5	294	6	522	5	227	7	234	7	1971	5
Sophomore	Valid N	6467	2216	5779	1426	1336	17224	Never	3120	48	975	44	2733	47	535	38	512	38	7875	46
	Mean	1.73	1.83	1.77	1.86	1.92	1.78	Occasionally	2332	36	788	36	1976	34	629	44	516	39	6241	36
	Std Dev	0.85	0.90	0.88	0.83	0.91	0.87	Often	671	10	314	14	740	13	189	13	212	16	2126	12
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	344	5	139	6	330	6	73	5	96	7	982	6
Junior	Valid N	4878	2153	4887	1110	1800	14828	Never	2163	44	740	34	2139	44	338	30	599	33	5979	40
	Mean	1.79	1.97	1.83	1.99	1.99	1.87	Occasionally	1861	38	904	42	1782	36	531	48	753	42	5831	39
	Std Dev	0.86	0.90	0.91	0.88	0.90	0.89	Often	580	12	338	16	610	12	150	14	316	18	1994	13
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	274	6	171	8	356	7	91	8	132	7	1024	7
Senior	Valid N	5852	1884	7086	1823	1657	18302	Never	2272	39	462	25	2198	31	354	19	401	24	5687	31
	Mean	1.86	2.19	2.07	2.27	2.21	2.05	Occasionally	2484	42	829	44	2874	41	858	47	702	42	7747	42
	Std Dev	0.87	0.94	0.94	0.92	0.95	0.93	Often	711	12	365	19	1318	19	380	21	354	21	3128	17
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	385	7	228	12	696	10	231	13	200	12	1740	10
Table Total	Valid N	31803	11550	27453	7698	7919	86423	Never	15033	47	4811	42	12098	44	2620	34	2860	36	37422	43
	Mean	1.74	1.87	1.84	1.98	1.97	1.83	Occasionally	11593	36	4204	36	9675	35	3247	42	3093	39	31812	37
	Std Dev	0.85	0.91	0.91	0.91	0.93	0.90	Often	3480	11	1703	15	3776	14	1209	16	1304	16	11472	13
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very often	1697	5	832	7	1904	7	622	8	662	8	5717	7

**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Asked instructor about performance (fac8)</b>																				
First-Year	Valid N	14577	5293	9680	3336	3122	36008	Never	5026	34	1789	34	3539	37	1048	31	999	32	12401	34
	Mean	1.98	2.03	1.94	2.06	2.03	1.99	Occasionally	5850	40	2007	38	3834	40	1343	40	1269	41	14303	40
	Std Dev	0.91	0.94	0.90	0.93	0.91	0.91	Often	2626	18	1033	20	1639	17	643	19	614	20	6555	18
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	1075	7	464	9	668	7	302	9	240	8	2749	8
Sophomore	Valid N	6465	2215	5769	1425	1338	17212	Never	2577	40	896	40	2049	36	510	36	472	35	6504	38
	Mean	1.89	1.91	1.97	1.91	1.99	1.93	Occasionally	2469	38	788	36	2269	39	617	43	515	38	6658	39
	Std Dev	0.90	0.93	0.90	0.86	0.92	0.90	Often	972	15	369	17	1052	18	214	15	244	18	2851	17
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	447	7	162	7	399	7	84	6	107	8	1199	7
Junior	Valid N	4877	2151	4891	1112	1796	14827	Never	1812	37	836	39	1680	34	363	33	511	28	5202	35
	Mean	1.93	1.92	1.98	2.02	2.09	1.97	Occasionally	1940	40	808	38	2012	41	459	41	765	43	5984	40
	Std Dev	0.91	0.92	0.91	0.92	0.90	0.91	Often	758	16	346	16	822	17	194	17	372	21	2492	17
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	367	8	161	7	377	8	96	9	148	8	1149	8
Senior	Valid N	5848	1884	7071	1823	1654	18280	Never	2107	36	813	43	1928	27	449	25	432	26	5729	31
	Mean	1.95	1.92	2.13	2.21	2.17	2.06	Occasionally	2371	41	603	32	2977	42	764	42	690	42	7405	41
	Std Dev	0.91	0.98	0.93	0.95	0.94	0.94	Often	925	16	282	15	1465	21	387	21	347	21	3406	19
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	445	8	186	10	701	10	223	12	185	11	1740	10
Table Total	Valid N	31767	11543	27411	7696	7910	86327	Never	11522	36	4334	38	9196	34	2370	31	2414	31	29836	35
	Mean	1.95	1.97	2.00	2.06	2.07	1.99	Occasionally	12630	40	4206	36	11092	40	3183	41	3239	41	34350	40
	Std Dev	0.91	0.94	0.91	0.93	0.92	0.92	Often	5281	17	2030	18	4978	18	1438	19	1577	20	15304	18
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	2334	7	973	8	2145	8	705	9	680	9	6837	8

**Worked to meet faculty expectations (fac9)**

First-Year	Valid N	14611	5304	9695	3340	3128	36078	Never	3284	22	878	17	1840	19	592	18	464	15	7058	20
	Mean	2.28	2.43	2.34	2.42	2.44	2.35	Occasionally	5653	39	2054	39	3943	41	1270	38	1284	41	14204	39
	Std Dev	0.95	0.94	0.92	0.95	0.92	0.94	Often	3901	27	1567	30	2727	28	966	29	916	29	10077	28
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	1773	12	805	15	1185	12	512	15	464	15	4739	13
Sophomore	Valid N	6466	2215	5785	1426	1338	17230	Never	1626	25	332	15	975	17	303	21	198	15	3434	20
	Mean	2.25	2.52	2.38	2.31	2.47	2.35	Occasionally	2401	37	810	37	2371	41	577	40	524	39	6683	39
	Std Dev	0.97	0.96	0.91	0.95	0.93	0.95	Often	1623	25	657	30	1697	29	351	25	406	30	4734	27
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	816	13	416	19	742	13	195	14	210	16	2379	14
Junior	Valid N	4880	2157	4886	1111	1801	14835	Never	1062	22	303	14	763	16	198	18	226	13	2552	17
	Mean	2.32	2.54	2.45	2.43	2.53	2.43	Occasionally	1848	38	797	37	1911	39	420	38	683	38	5659	38
	Std Dev	0.96	0.95	0.93	0.96	0.91	0.95	Often	1304	27	653	30	1477	30	312	28	601	33	4347	29
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	666	14	404	19	735	15	181	16	291	16	2277	15
Senior	Valid N	5848	1886	7092	1823	1655	18304	Never	1247	21	234	12	964	14	248	14	167	10	2860	16
	Mean	2.32	2.60	2.53	2.56	2.63	2.48	Occasionally	2322	40	696	37	2644	37	671	37	613	37	6946	38
	Std Dev	0.96	0.96	0.93	0.96	0.92	0.95	Often	1464	25	549	29	2243	32	545	30	535	32	5336	29
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	815	14	407	22	1241	17	359	20	340	21	3162	17
Table Total	Valid N	31805	11562	27458	7700	7922	86447	Never	7219	23	1747	15	4542	17	1341	17	1055	13	15904	18
	Mean	2.29	2.50	2.42	2.43	2.51	2.39	Occasionally	12224	38	4357	38	10869	40	2938	38	3104	39	33492	39
	Std Dev	0.96	0.95	0.93	0.96	0.92	0.95	Often	8292	26	3426	30	8144	30	2174	28	2458	31	24494	28
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	4070	13	2032	18	3903	14	1247	16	1305	16	12557	15

**Worked with faculty member on research (fac10)**

First-Year	Valid N	14585	5297	9685	3341	3129	36037	Never	11699	80	3727	70	7460	77	2568	77	2227	71	27681	77
	Mean	1.30	1.48	1.33	1.37	1.43	1.35	Occasionally	1787	12	851	16	1434	15	447	13	575	18	5094	14
	Std Dev	0.69	0.85	0.69	0.77	0.77	0.73	Often	702	5	442	8	566	6	189	6	220	7	2119	6
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	397	3	277	5	225	2	137	4	107	3	1143	3
Sophomore	Valid N	6464	2215	5765	1425	1336	17205	Never	4895	76	1453	66	4476	78	1129	79	977	73	12930	75
	Mean	1.40	1.61	1.33	1.32	1.39	1.40	Occasionally	874	14	342	15	811	14	181	13	241	18	2449	14
	Std Dev	0.80	0.96	0.70	0.70	0.74	0.79	Often	386	6	250	11	329	6	73	5	76	6	1114	6
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	309	5	170	8	149	3	42	3	42	3	712	4
Junior	Valid N	4876	2151	4885	1110	1799	14821	Never	3392	70	1303	61	3735	76	703	63	1303	72	10436	70
	Mean	1.51	1.71	1.36	1.62	1.41	1.49	Occasionally	783	16	379	18	712	15	219	20	305	17	2398	16
	Std Dev	0.89	1.02	0.74	0.95	0.77	0.86	Often	394	8	257	12	277	6	97	9	132	7	1157	8
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	307	6	212	10	161	3	91	8	59	3	830	6
Senior	Valid N	5847	1884	7074	1824	1654	18283	Never	3645	62	894	47	4513	64	959	53	1058	64	11069	61
	Mean	1.62	1.92	1.58	1.87	1.55	1.66	Occasionally	1227	21	461	24	1448	20	400	22	366	22	3902	21
	Std Dev	0.94	1.05	0.90	1.09	0.85	0.95	Often	503	9	311	17	666	9	207	11	148	9	1835	10
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	472	8	218	12	447	6	258	14	82	5	1477	8
Table Total	Valid N	31772	11547	27409	7700	7918	86346	Never	23631	74	7377	64	20184	74	5359	70	5565	70	62116	72
	Mean	1.41	1.62	1.40	1.51	1.44	1.45	Occasionally	4671	15	2033	18	4405	16	1247	16	1487	19	13843	16
	Std Dev	0.80	0.95	0.77	0.90	0.78	0.83	Often	1985	6	1260	11	1838	7	566	7	576	7	6225	7
	S.E.M.	0.00	0.01	0.00	0.01	0.01	0.00	Very often	1485	5	877	8	982	4	528	7	290	4	4162	5

**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Talked about art or theater with others (amt1)</b>																				
First-Year	Valid N	14586	5296	9699	3338	3125	36044	Never	3466	24	1491	28	3140	32	635	19	1138	36	9870	27
	Mean	2.36	2.28	2.20	2.57	2.09	2.30	Occasionally	5270	36	1766	33	3168	33	1035	31	1030	33	12269	34
	Std Dev	1.05	1.06	1.07	1.07	1.05	1.07	Often	2962	20	1082	20	1715	18	807	24	488	16	7054	20
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	2888	20	957	18	1676	17	861	26	469	15	6851	19
Sophomore	Valid N	6467	2214	5784	1425	1336	17226	Never	1292	20	424	19	1483	26	103	7	455	34	3757	22
	Mean	2.43	2.48	2.28	2.88	2.10	2.40	Occasionally	2425	37	796	36	2212	38	462	32	486	36	6381	37
	Std Dev	1.03	1.04	1.03	0.98	1.02	1.04	Often	1424	22	491	22	1100	19	356	25	207	15	3578	21
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	1326	21	503	23	989	17	504	35	188	14	3510	20
Junior	Valid N	4884	2150	4884	1111	1798	14827	Never	1047	21	415	19	1459	30	104	9	488	27	3513	24
	Mean	2.41	2.43	2.16	2.79	2.20	2.33	Occasionally	1791	37	828	39	1898	39	379	34	712	40	5608	38
	Std Dev	1.04	1.02	1.01	1.00	0.99	1.03	Often	1022	21	467	22	826	17	273	25	348	19	2936	20
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	1024	21	440	20	701	14	355	32	250	14	2770	19
Senior	Valid N	5850	1882	7068	1821	1653	18274	Never	1254	21	413	22	1856	26	176	10	462	28	4161	23
	Mean	2.36	2.37	2.29	2.74	2.15	2.35	Occasionally	2322	40	731	39	2609	37	648	36	714	43	7024	38
	Std Dev	1.02	1.03	1.05	0.99	0.98	1.03	Often	1161	20	376	20	1309	19	463	25	252	15	3561	19
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1113	19	362	19	1294	18	534	29	225	14	3528	19
Table Total	Valid N	31787	11542	27435	7695	7912	86371	Never	7059	22	2743	24	7938	29	1018	13	2543	32	21301	25
	Mean	2.38	2.36	2.23	2.70	2.13	2.34	Occasionally	11808	37	4121	36	9887	36	2524	33	2942	37	31282	36
	Std Dev	1.04	1.05	1.05	1.03	1.02	1.05	Often	6569	21	2416	21	4950	18	1899	25	1295	16	17129	20
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	6351	20	2262	20	4660	17	2254	29	1132	14	16659	19
<b>Went to exhibit or performance (amt2)</b>																				
First-Year	Valid N	14572	5293	9689	3340	3119	36013	Never	3373	23	1413	27	2830	29	493	15	1049	34	9158	25
	Mean	2.24	2.20	2.17	2.56	2.06	2.23	Occasionally	6385	44	2128	40	3783	39	1238	37	1219	39	14753	41
	Std Dev	0.96	0.98	1.00	0.99	0.98	0.99	Often	2783	19	1026	19	1719	18	869	26	474	15	6871	19
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	2031	14	726	14	1357	14	740	22	377	12	5231	15
Sophomore	Valid N	6464	2214	5768	1426	1333	17205	Never	1161	18	448	20	1208	21	75	5	443	33	3335	19
	Mean	2.31	2.29	2.27	2.75	2.04	2.31	Occasionally	3055	47	997	45	2590	45	588	41	537	40	7767	45
	Std Dev	0.93	0.95	0.95	0.91	0.96	0.95	Often	1304	20	443	20	1153	20	386	27	209	16	3495	20
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	944	15	326	15	817	14	377	26	144	11	2608	15
Junior	Valid N	4875	2153	4883	1110	1799	14820	Never	918	19	431	20	1297	27	75	7	460	26	3181	21
	Mean	2.29	2.28	2.12	2.71	2.15	2.25	Occasionally	2332	48	1012	47	2235	46	458	41	815	45	6852	46
	Std Dev	0.94	0.95	0.93	0.93	0.93	0.95	Often	909	19	394	18	807	17	290	26	318	18	2718	18
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	716	15	316	15	544	11	287	26	206	11	2069	14
Senior	Valid N	5849	1879	7063	1820	1655	18266	Never	1126	19	415	22	1575	22	110	6	443	27	3669	20
	Mean	2.26	2.24	2.26	2.68	2.13	2.29	Occasionally	2824	48	864	46	3113	44	779	43	757	46	8337	46
	Std Dev	0.92	0.95	0.97	0.89	0.94	0.95	Often	1128	19	340	18	1316	19	513	28	258	16	3555	19
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	771	13	260	14	1059	15	418	23	197	12	2705	15
Table Total	Valid N	31760	11539	27403	7696	7906	86304	Never	6578	21	2707	23	6910	25	753	10	2395	30	19343	22
	Mean	2.27	2.24	2.21	2.64	2.09	2.26	Occasionally	14596	46	5001	43	11721	43	3063	40	3328	42	37709	44
	Std Dev	0.94	0.97	0.97	0.95	0.96	0.97	Often	6124	19	2203	19	4995	18	2058	27	1259	16	16639	19
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	4462	14	1628	14	3777	14	1822	24	924	12	12613	15
<b>Participated in art or theater activity (amt3)</b>																				
First-Year	Valid N	14557	5291	9683	3337	3117	35985	Never	8568	59	2990	57	5907	61	1692	51	1814	58	20971	58
	Mean	1.73	1.78	1.70	1.93	1.74	1.75	Occasionally	3032	21	1081	20	1855	19	718	22	659	21	7345	20
	Std Dev	1.03	1.05	1.02	1.13	1.03	1.04	Often	1301	9	607	11	871	9	384	12	289	9	3452	10
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	1656	11	613	12	1050	11	543	16	355	11	4217	12
Sophomore	Valid N	6460	2209	5772	1425	1336	17202	Never	3496	54	1026	46	3152	55	562	39	765	57	9001	52
	Mean	1.82	1.98	1.76	2.20	1.71	1.84	Occasionally	1472	23	548	25	1430	25	350	25	323	24	4123	24
	Std Dev	1.06	1.11	1.00	1.19	0.97	1.06	Often	652	10	283	13	588	10	176	12	125	9	1824	11
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	840	13	352	16	602	10	337	24	123	9	2254	13
Junior	Valid N	4878	2151	4878	1110	1794	14811	Never	2637	54	1001	47	2810	58	444	40	959	53	7851	53
	Mean	1.80	1.94	1.70	2.15	1.75	1.81	Occasionally	1186	24	563	26	1190	24	294	26	493	27	3726	25
	Std Dev	1.05	1.07	0.97	1.17	0.97	1.03	Often	435	9	296	14	433	9	130	12	172	10	1466	10
	S.E.M.	0.02	0.02	0.01	0.04	0.02	0.01	Very often	620	13	291	14	445	9	242	22	170	9	1768	12
Senior	Valid N	5844	1882	7062	1819	1651	18258	Never	3126	53	818	43	3501	50	724	40	895	54	9064	50
	Mean	1.79	1.97	1.89	2.12	1.76	1.88	Occasionally	1495	26	549	29	1859	26	517	28	428	26	4848	27
	Std Dev	1.03	1.05	1.07	1.14	0.99	1.06	Often	539	9	262	14	713	10	222	12	164	10	1900	10
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	684	12	253	13	989	14	356	20	164	10	2446	13
Table Total	Valid N	31739	11533	27395	7691	7898	86256	Never	17827	56	5835	51	15370	56	3422	44	4433	56	46887	54
	Mean	1.77	1.88	1.76	2.06	1.74	1.80	Occasionally	7185	23	2741	24	6334	23	1879	24	1903	24	20042	23
	Std Dev	1.04	1.07	1.02	1.15	1.00	1.05	Often	2927	9	1448	13	2605	10	912	12	750	9	8642	10
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	3800	12	1509	13	3086	11	1478	19	812	10	10685	12



**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Talked about music or musicians (amt4)</b>																				
First-Year	Valid N	14556	5289	9663	3336	3112	35956	Never	1827	13	959	18	1907	20	406	12	644	21	5743	16
	Mean	2.85	2.66	2.62	2.90	2.58	2.74	Occasionally	3614	25	1413	27	2580	27	791	24	826	27	9224	26
	Std Dev	1.04	1.08	1.09	1.04	1.09	1.07	Often	3988	27	1390	26	2434	25	881	26	820	26	9513	26
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	5127	35	1527	29	2742	28	1258	38	822	26	11476	32
Sophomore	Valid N	6461	2212	5764	1424	1331	17192	Never	645	10	351	16	919	16	53	4	249	19	2217	13
	Mean	2.90	2.67	2.68	3.11	2.55	2.79	Occasionally	1695	26	657	30	1673	29	348	24	406	31	4779	28
	Std Dev	1.00	1.05	1.06	0.90	1.04	1.03	Often	1803	28	570	26	1507	26	415	29	366	27	4661	27
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	2318	36	634	29	1665	29	608	43	310	23	5535	32
Junior	Valid N	4873	2150	4875	1110	1796	14804	Never	545	11	332	15	837	17	54	5	290	16	2058	14
	Mean	2.82	2.65	2.61	3.03	2.59	2.71	Occasionally	1364	28	689	32	1496	31	300	27	581	32	4430	30
	Std Dev	1.01	1.05	1.05	0.93	1.02	1.03	Often	1367	28	531	25	1297	27	311	28	501	28	4007	27
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	1597	33	598	28	1245	26	445	40	424	24	4309	29
Senior	Valid N	5845	1882	7065	1818	1653	18263	Never	666	11	341	18	1157	16	117	6	281	17	2562	14
	Mean	2.76	2.47	2.63	2.95	2.51	2.68	Occasionally	1818	31	709	38	2210	31	521	29	605	37	5863	32
	Std Dev	1.00	1.02	1.05	0.95	1.01	1.03	Often	1623	28	433	23	1798	25	511	28	404	24	4769	26
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1738	30	399	21	1900	27	669	37	363	22	5069	28
Table Total	Valid N	31735	11533	27367	7688	7892	86215	Never	3683	12	1983	17	4820	18	630	8	1464	19	12580	15
	Mean	2.84	2.63	2.63	2.97	2.57	2.73	Occasionally	8491	27	3468	30	7959	29	1960	25	2418	31	24296	28
	Std Dev	1.02	1.06	1.07	0.98	1.05	1.05	Often	8781	28	2924	25	7036	26	2118	28	2091	26	22950	27
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	10780	34	3158	27	7552	28	2980	39	1919	24	26389	31

**Attended a concert or other music event (amt5)**

First-Year	Valid N	14564	5288	9675	3329	3111	35967	Never	2539	17	1130	21	2213	23	385	12	638	21	6905	19
	Mean	2.46	2.40	2.36	2.72	2.38	2.44	Occasionally	5726	39	1929	36	3577	37	1118	34	1209	39	13559	38
	Std Dev	1.00	1.03	1.03	1.00	1.00	1.02	Often	3359	23	1209	23	2038	21	871	26	703	23	8180	23
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	2940	20	1020	19	1847	19	955	29	561	18	7323	20
Sophomore	Valid N	6461	2212	5763	1423	1331	17190	Never	894	14	342	15	924	16	73	5	300	23	2533	15
	Mean	2.52	2.50	2.46	2.78	2.31	2.50	Occasionally	2691	42	892	40	2358	41	554	39	540	41	7035	41
	Std Dev	0.97	0.99	0.98	0.90	1.00	0.98	Often	1523	24	509	23	1381	24	414	29	270	20	4097	24
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	1353	21	469	21	1100	19	382	27	221	17	3525	21
Junior	Valid N	4874	2150	4875	1110	1796	14805	Never	722	15	356	17	943	19	92	8	339	19	2452	17
	Mean	2.44	2.43	2.37	2.67	2.33	2.42	Occasionally	2151	44	898	42	2039	42	452	41	800	45	6340	43
	Std Dev	0.95	0.97	0.98	0.94	0.96	0.97	Often	1116	23	507	24	1063	22	294	26	375	21	3355	23
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	885	18	389	18	830	17	272	25	282	16	2658	18
Senior	Valid N	5837	1882	7061	1820	1651	18251	Never	892	15	424	23	1164	16	108	6	316	19	2904	16
	Mean	2.43	2.29	2.44	2.71	2.32	2.44	Occasionally	2598	45	784	42	2954	42	757	42	743	45	7836	43
	Std Dev	0.96	0.98	0.98	0.90	0.95	0.97	Often	1286	22	385	20	1584	22	510	28	338	20	4103	22
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1061	18	289	15	1359	19	445	24	254	15	3408	19
Table Total	Valid N	31736	11532	27374	7682	7889	86213	Never	5047	16	2252	20	5244	19	658	9	1593	20	14794	17
	Mean	2.46	2.41	2.41	2.72	2.35	2.45	Occasionally	13166	41	4503	39	10928	40	2881	38	3292	42	34770	40
	Std Dev	0.98	1.00	1.00	0.95	0.98	0.99	Often	7284	23	2610	23	6066	22	2089	27	1686	21	19735	23
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	6239	20	2167	19	5136	19	2054	27	1318	17	16914	20

**Participated in music activity (amt6)**

First-Year	Valid N	14574	5287	9683	3335	3117	35996	Never	9051	62	3339	63	6059	63	1745	52	1907	61	22101	61
	Mean	1.73	1.69	1.72	2.02	1.72	1.75	Occasionally	2410	17	882	17	1571	16	513	15	560	18	5936	16
	Std Dev	1.08	1.05	1.08	1.23	1.05	1.09	Often	1121	8	412	8	766	8	331	10	266	9	2896	8
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	1992	14	654	12	1287	13	746	22	384	12	5063	14
Sophomore	Valid N	6457	2214	5763	1425	1334	17193	Never	3813	59	1359	61	3470	60	701	49	803	60	10146	59
	Mean	1.79	1.70	1.72	2.10	1.69	1.78	Occasionally	1129	17	412	19	1105	19	233	16	289	22	3168	18
	Std Dev	1.11	1.04	1.04	1.25	1.00	1.09	Often	541	8	187	8	508	9	142	10	100	7	1478	9
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	974	15	256	12	680	12	349	24	142	11	2401	14
Junior	Valid N	4866	2147	4875	1111	1793	14792	Never	2967	61	1322	62	3123	64	610	55	1100	61	9122	62
	Mean	1.72	1.69	1.64	1.95	1.67	1.70	Occasionally	916	19	409	19	883	18	169	15	360	20	2737	19
	Std Dev	1.06	1.03	1.01	1.21	0.99	1.05	Often	345	7	166	8	350	7	105	9	158	9	1124	8
	S.E.M.	0.02	0.02	0.01	0.04	0.02	0.01	Very often	638	13	250	12	519	11	227	20	175	10	1809	12
Senior	Valid N	5844	1882	7059	1819	1651	18255	Never	3657	63	1200	64	4309	61	931	51	1016	62	11113	61
	Mean	1.68	1.60	1.71	1.98	1.66	1.71	Occasionally	1089	19	387	21	1355	19	347	19	344	21	3522	19
	Std Dev	1.03	0.94	1.04	1.18	0.98	1.04	Often	407	7	144	8	531	8	189	10	133	8	1404	8
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	691	12	151	8	864	12	352	19	158	10	2216	12
Table Total	Valid N	31741	11530	27380	7690	7895	86236	Never	19488	61	7220	63	16961	62	3987	52	4826	61	52482	61
	Mean	1.73	1.68	1.70	2.02	1.69	1.74	Occasionally	5544	17	2090	18	4914	18	1262	16	1553	20	15363	18
	Std Dev	1.08	1.03	1.05	1.22	1.02	1.07	Often	2414	8	909	8	2155	8	767	10	657	8	6902	8
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	4295	14	1311	11	3350	12	1674	22	859	11	11489	13

**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Read or discussed opinions of critics (amt7)</b>																				
First-Year	Valid N	14576	5289	9684	3336	3123	36008	Never	6456	44	2412	46	5074	52	1324	40	1671	54	16937	53
	Mean	1.92	1.89	1.78	2.03	1.73	1.87	Occasionally	4563	31	1633	31	2637	27	1062	32	882	28	10777	30
	Std Dev	1.01	1.00	0.99	1.05	0.94	1.01	Often	1886	13	668	13	1028	11	473	14	314	10	4369	12
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	1671	11	576	11	945	10	477	14	256	8	3925	11
Sophomore	Valid N	6460	2215	5771	1425	1336	17207	Never	2567	40	852	38	2654	46	409	29	682	51	7164	42
	Mean	2.00	1.99	1.84	2.22	1.74	1.94	Occasionally	2190	34	782	35	1918	33	541	38	422	32	5853	34
	Std Dev	1.02	0.99	0.96	1.05	0.91	1.00	Often	866	13	331	15	655	11	223	16	136	10	2211	13
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	837	13	250	11	544	9	252	18	96	7	1979	12
Junior	Valid N	4871	2153	4881	1111	1798	14814	Never	2011	41	870	40	2493	51	320	29	823	46	6517	44
	Mean	1.96	1.98	1.75	2.24	1.83	1.90	Occasionally	1639	34	737	34	1514	31	397	36	622	35	4909	33
	Std Dev	1.02	1.02	0.93	1.06	0.95	1.00	Often	609	13	271	13	476	10	196	18	192	11	1744	12
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	612	13	275	13	398	8	198	18	161	9	1644	11
Senior	Valid N	5847	1880	7077	1820	1653	18277	Never	2475	42	751	40	3126	44	476	26	797	48	7625	42
	Mean	1.94	1.96	1.90	2.26	1.78	1.95	Occasionally	1947	33	665	35	2326	33	713	39	554	34	6205	34
	Std Dev	1.01	0.99	1.00	1.03	0.92	1.01	Often	717	12	257	14	808	11	311	17	176	11	2269	12
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	708	12	207	11	817	12	320	18	126	8	2178	12
Table Total	Valid N	31754	11537	27413	7692	7910	86306	Never	13509	43	4885	42	13347	49	2529	33	3973	50	38243	44
	Mean	1.94	1.94	1.82	2.15	1.76	1.91	Occasionally	10339	33	3817	33	8395	31	2713	35	2480	31	27744	32
	Std Dev	1.02	1.00	0.98	1.05	0.93	1.00	Often	4078	13	1527	13	2967	11	1203	16	818	10	10593	12
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	3828	12	1308	11	2704	10	1247	16	639	8	9726	11

**Used a campus lounge to relax or study (facil1)**

First-Year	Valid N	14620	5311	9733	3346	3143	36153	Never	1771	12	965	18	1815	19	494	15	545	17	5590	15
	Mean	2.56	2.45	2.38	2.48	2.39	2.47	Occasionally	5783	40	2013	38	3981	41	1366	41	1331	42	14474	40
	Std Dev	0.94	0.99	0.96	0.96	0.95	0.96	Often	4176	29	1326	25	2377	24	869	26	778	25	9526	26
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	2890	20	1007	19	1560	16	617	18	489	16	6563	18
Sophomore	Valid N	6460	2214	5806	1423	1338	17241	Never	862	13	435	20	1018	18	193	14	256	19	2764	16
	Mean	2.52	2.36	2.38	2.42	2.32	2.43	Occasionally	2636	41	912	41	2475	43	660	46	587	44	7270	42
	Std Dev	0.96	0.98	0.95	0.91	0.94	0.95	Often	1683	26	503	23	1394	24	349	25	303	23	4232	25
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	1279	20	364	16	919	16	221	16	192	14	2975	17
Junior	Valid N	4862	2150	4894	1112	1806	14824	Never	953	20	479	22	1172	24	195	18	477	26	3276	22
	Mean	2.34	2.27	2.19	2.35	2.15	2.26	Occasionally	2018	42	910	42	2164	44	501	45	775	43	6368	43
	Std Dev	0.96	0.96	0.93	0.94	0.93	0.95	Often	1160	24	458	21	1005	21	243	22	367	20	3233	22
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	731	15	303	14	553	11	173	16	187	10	1947	13
Senior	Valid N	5841	1888	7096	1826	1658	18309	Never	1225	21	464	25	1554	22	283	15	481	29	4007	22
	Mean	2.27	2.19	2.23	2.35	2.08	2.24	Occasionally	2570	44	828	44	3178	45	857	47	710	43	8143	44
	Std Dev	0.94	0.94	0.92	0.89	0.91	0.93	Often	1272	22	370	20	1549	22	448	25	317	19	3956	22
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	774	13	226	12	815	11	238	13	150	9	2203	12
Table Total	Valid N	31783	11563	27529	7707	7945	86527	Never	4811	15	2343	20	5559	20	1165	15	1759	22	15637	18
	Mean	2.47	2.36	2.31	2.42	2.26	2.38	Occasionally	13007	41	4663	40	11798	43	3384	44	3403	43	36255	42
	Std Dev	0.95	0.98	0.95	0.93	0.94	0.96	Often	8291	26	2657	23	6325	23	1909	25	1765	22	20947	24
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	5674	18	1900	16	3847	14	1249	16	1018	13	13688	16

**Met other students for discussion (facil2)**

First-Year	Valid N	14601	5308	9724	3342	3142	36117	Never	2093	14	1017	19	1852	19	322	10	579	18	5863	16
	Mean	2.46	2.39	2.34	2.60	2.34	2.42	Occasionally	6104	42	2073	39	4086	42	1341	40	1315	42	14919	41
	Std Dev	0.93	0.97	0.94	0.91	0.92	0.94	Often	4021	28	1375	26	2417	25	1033	31	852	27	9698	27
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	2383	16	843	16	1369	14	646	19	396	13	5637	16
Sophomore	Valid N	6458	2208	5802	1423	1336	17227	Never	759	12	386	17	769	13	95	7	217	16	2226	13
	Mean	2.59	2.42	2.47	2.73	2.38	2.52	Occasionally	2487	39	881	40	2454	42	543	38	586	44	6951	40
	Std Dev	0.95	0.96	0.91	0.91	0.92	0.94	Often	1865	29	569	26	1668	29	435	31	344	26	4881	28
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	1347	21	372	17	911	16	350	25	189	14	3169	18
Junior	Valid N	4870	2147	4884	1112	1806	14819	Never	491	10	296	14	685	14	75	7	360	20	1907	13
	Mean	2.61	2.47	2.43	2.76	2.32	2.51	Occasionally	1899	39	889	41	2109	43	394	35	728	40	6019	41
	Std Dev	0.92	0.92	0.90	0.91	0.93	0.92	Often	1477	30	612	29	1380	28	362	33	490	27	4321	29
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	1003	21	350	16	710	15	281	25	228	13	2572	17
Senior	Valid N	5841	1882	7084	1825	1656	18288	Never	572	10	223	12	777	11	117	6	312	19	2001	11
	Mean	2.62	2.48	2.54	2.73	2.36	2.56	Occasionally	2228	38	813	43	2921	41	682	37	656	40	7300	40
	Std Dev	0.91	0.89	0.90	0.89	0.93	0.91	Often	1876	32	565	30	2159	30	600	33	474	29	5674	31
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1165	20	281	15	1227	17	426	23	214	13	3313	18
Table Total	Valid N	31770	11545	27494	7702	7940	86451	Never	3915	12	1922	17	4083	15	609	8	1468	18	11997	14
	Mean	2.54	2.42	2.44	2.68	2.35	2.49	Occasionally	12718	40	4656	40	11570	42	2960	38	3285	41	35189	41
	Std Dev	0.93	0.95	0.92	0.90	0.92	0.93	Often	9239	29	3121	27	7624	28	2430	32	2160	27	24574	28
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	5898	19	1846	16	4217	15	1703	22	1027	13	14691	17



**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Attended cultural/social event (facil3)</b>																				
First-Year	Valid N	14595	5298	9705	3339	3133	36070	Never	2848	20	1545	29	2862	29	315	9	832	27	8402	23
	Mean	2.26	2.11	2.06	2.57	2.14	2.20	Occasionally	6799	47	2178	41	4236	44	1411	42	1346	43	15970	44
	Std Dev	0.90	0.94	0.91	0.90	0.92	0.92	Often	3253	22	1029	19	1759	18	999	30	646	21	7686	21
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	1695	12	546	10	848	9	614	18	309	10	4012	11
Sophomore	Valid N	6459	2207	5782	1423	1337	17208	Never	1177	18	542	25	1400	24	98	7	430	32	3647	21
	Mean	2.32	2.17	2.14	2.72	2.00	2.25	Occasionally	2923	45	1009	46	2687	46	547	38	587	44	7753	45
	Std Dev	0.92	0.93	0.89	0.91	0.90	0.93	Often	1476	23	402	18	1171	20	437	31	210	16	3696	21
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	883	14	254	12	524	9	341	24	110	8	2112	12
Junior	Valid N	4874	2149	4876	1108	1807	14814	Never	1061	22	563	26	1567	32	80	7	633	35	3904	26
	Mean	2.21	2.14	1.99	2.63	2.00	2.13	Occasionally	2313	47	937	44	2166	44	470	42	696	39	6582	44
	Std Dev	0.91	0.91	0.88	0.88	0.93	0.92	Often	936	19	441	21	775	16	335	30	332	18	2819	19
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	564	12	208	10	368	8	223	20	146	8	1509	10
Senior	Valid N	5835	1885	7084	1822	1653	18279	Never	1456	25	529	28	1989	28	101	6	558	34	4633	25
	Mean	2.13	2.08	2.05	2.66	1.97	2.13	Occasionally	2726	47	855	45	3329	47	793	44	699	42	38702	46
	Std Dev	0.90	0.91	0.88	0.86	0.89	0.91	Often	1070	18	326	17	1193	17	560	31	277	17	3426	19
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	583	10	175	9	573	8	368	20	119	7	1818	10
Table Total	Valid N	31763	11539	27447	7692	7930	86371	Never	6542	21	3179	28	7818	28	594	8	2453	31	20586	24
	Mean	2.24	2.12	2.06	2.63	2.05	2.18	Occasionally	14761	46	4979	43	12418	45	3221	42	3328	42	38707	45
	Std Dev	0.91	0.93	0.89	0.89	0.91	0.92	Often	6735	21	2198	19	4898	18	2331	30	1465	18	17627	20
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	3725	12	1183	10	2313	8	1546	20	684	9	9451	11
<b>Went to lecture or panel discussion (facil4)</b>																				
First-Year	Valid N	14564	5287	9679	3336	3131	35997	Never	4240	29	2096	40	4194	43	533	16	1155	37	12218	34
	Mean	2.08	1.87	1.81	2.28	1.98	1.99	Occasionally	6472	44	2141	40	3728	39	1704	51	1177	38	15222	42
	Std Dev	0.93	0.88	0.87	0.86	0.95	0.92	Often	2303	16	692	13	1200	12	734	22	501	16	5430	15
	S.E.M.	0.01	0.01	0.01	0.01	0.02	0.00	Very often	1549	11	358	7	557	6	365	11	298	10	3127	9
Sophomore	Valid N	6446	2205	5773	1416	1328	17168	Never	1799	28	699	32	2033	35	185	13	576	43	5292	31
	Mean	2.08	2.01	1.87	2.35	1.81	2.00	Occasionally	3011	47	958	43	2717	47	723	51	519	39	7928	46
	Std Dev	0.92	0.90	0.81	0.85	0.89	0.88	Often	968	15	367	17	742	13	341	24	137	10	2555	15
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	668	10	181	8	281	5	167	12	96	7	1393	8
Junior	Valid N	4865	2145	4880	1109	1804	14803	Never	1422	29	604	28	2080	43	111	10	748	41	4965	34
	Mean	2.02	2.06	1.76	2.37	1.80	1.94	Occasionally	2351	48	991	46	2081	43	597	54	756	42	6776	46
	Std Dev	0.88	0.90	0.79	0.80	0.83	0.86	Often	675	14	359	17	533	11	284	26	211	12	2062	14
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	417	9	191	9	186	4	117	11	89	5	1000	7
Senior	Valid N	5830	1880	7057	1824	1647	18238	Never	1736	30	514	27	2376	34	132	7	642	39	5400	30
	Mean	1.98	2.16	1.90	2.46	1.87	2.00	Occasionally	2891	50	775	41	3401	48	966	53	696	42	8729	48
	Std Dev	0.84	0.96	0.82	0.81	0.87	0.86	Often	800	14	370	20	904	13	488	27	197	12	2759	15
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	403	7	221	12	376	5	238	13	112	7	1350	7
Table Total	Valid N	31705	11517	27389	7685	7910	86206	Never	9197	29	3913	34	10683	39	961	13	3121	39	27875	32
	Mean	2.05	1.98	1.84	2.35	1.89	1.98	Occasionally	14725	46	4865	42	11927	44	3990	52	3148	40	38655	45
	Std Dev	0.91	0.91	0.83	0.84	0.90	0.89	Often	4746	15	1788	16	3379	12	1847	24	1046	13	12806	15
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	3037	10	951	8	1400	5	887	12	595	8	6870	8
<b>Used a campus learning lab or center (facil5)</b>																				
First-Year	Valid N	14572	5301	9709	3345	3137	36064	Never	7136	49	2326	44	4593	47	1336	40	1208	39	16599	46
	Mean	1.75	1.86	1.80	1.94	1.92	1.81	Occasionally	4782	33	1777	34	3127	32	1183	35	1218	39	12087	34
	Std Dev	0.89	0.94	0.91	0.95	0.92	0.91	Often	1759	12	788	15	1349	14	526	16	467	15	4889	14
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	895	6	410	8	640	7	300	9	244	8	2489	7
Sophomore	Valid N	6458	2210	5782	1423	1339	17212	Never	3540	55	1006	46	2598	45	726	51	573	43	8443	49
	Mean	1.68	1.82	1.81	1.70	1.85	1.75	Occasionally	1872	29	752	34	2054	36	481	34	487	36	5646	33
	Std Dev	0.89	0.92	0.89	0.86	0.91	0.89	Often	646	10	291	13	787	14	138	10	182	14	2044	12
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	400	6	161	7	343	6	78	5	97	7	1079	6
Junior	Valid N	4868	2146	4885	1110	1805	14814	Never	2716	56	1020	48	2558	52	593	53	839	46	7726	52
	Mean	1.65	1.78	1.69	1.64	1.78	1.70	Occasionally	1423	29	717	33	1560	32	372	34	614	34	4686	32
	Std Dev	0.87	0.90	0.86	0.82	0.88	0.87	Often	445	9	271	13	511	10	93	8	257	14	1577	11
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	284	6	138	6	256	5	52	5	95	5	825	6
Senior	Valid N	5835	1884	7083	1825	1654	18281	Never	3512	60	766	41	3446	49	839	46	792	48	9355	51
	Mean	1.56	1.98	1.76	1.78	1.79	1.72	Occasionally	1625	28	606	32	2336	33	671	37	539	33	5777	32
	Std Dev	0.80	1.01	0.89	0.88	0.93	0.89	Often	471	8	300	16	867	12	194	11	196	12	2028	11
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	227	4	212	11	434	6	121	7	127	8	1121	6
Table Total	Valid N	31733	11541	27459	7703	7935	86371	Never	16904	53	5118	44	13195	48	3494	45	3412	43	42123	49
	Mean	1.69	1.86	1.77	1.81	1.85	1.76	Occasionally	9702	31	3852	33	9077	33	2707	35	2858	36	28196	33
	Std Dev	0.88	0.94	0.89	0.91	0.91	0.90	Often	3321	10	1650	14	3514	13	951	12	1102	14	10538	12
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very often	1806	6	921	8	1673	6	551	7	563	7	5514	6

**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Used campus recreational facilities (facil6)</b>																				
First-Year	Valid N	14603	5304	9716	3335	3141	36099	Never	1589	11	1087	20	1884	19	280	8	584	19	5424	15
	Mean	2.82	2.57	2.65	2.95	2.69	2.74	Occasionally	4220	29	1503	28	2524	26	896	27	793	25	9936	28
	Std Dev	1.01	1.09	1.10	0.99	1.10	1.06	Often	3970	27	1292	24	2421	25	868	26	791	25	9342	26
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	4824	33	1422	27	2887	30	1291	39	973	31	11397	32
Sophomore	Valid N	6455	2209	5792	1424	1338	17218	Never	846	13	448	20	890	15	161	11	351	26	2696	16
	Mean	2.74	2.56	2.70	2.83	2.47	2.69	Occasionally	2001	31	667	30	1680	29	416	29	359	27	5123	30
	Std Dev	1.04	1.09	1.05	1.03	1.14	1.06	Often	1600	25	502	23	1523	26	353	25	274	20	4252	25
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	2008	31	592	27	1699	29	494	35	354	26	5147	30
Junior	Valid N	4871	2149	4886	1111	1807	14824	Never	953	20	493	23	1251	26	150	14	568	31	3415	23
	Mean	2.56	2.48	2.44	2.76	2.35	2.50	Occasionally	1548	32	660	31	1400	29	340	31	462	26	4410	30
	Std Dev	1.08	1.10	1.11	1.06	1.15	1.11	Often	1062	22	468	22	1090	22	244	22	349	19	3213	22
	S.E.M.	0.02	0.02	0.02	0.03	0.03	0.01	Very often	1308	27	528	25	1145	23	377	34	428	24	3786	26
Senior	Valid N	5837	1884	7084	1825	1654	18284	Never	1198	21	542	29	2009	28	190	10	612	37	4551	25
	Mean	2.52	2.29	2.33	2.81	2.19	2.42	Occasionally	1905	33	619	33	2191	31	577	32	416	25	5708	31
	Std Dev	1.08	1.08	1.09	1.02	1.12	1.10	Often	1254	21	359	19	1442	20	443	24	321	19	3819	21
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	1480	25	364	19	1442	20	615	34	305	18	4206	23
Table Total	Valid N	31766	11546	27478	7695	7940	86425	Never	4586	14	2570	22	6034	22	781	10	2115	27	16086	19
	Mean	2.71	2.51	2.54	2.87	2.47	2.62	Occasionally	9674	30	3449	30	7795	28	2229	29	2030	26	25177	29
	Std Dev	1.05	1.09	1.10	1.02	1.14	1.08	Often	7886	25	2621	23	6476	24	1908	25	1735	22	20626	24
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	9620	30	2906	25	7173	26	2777	36	2060	26	24536	28

**Played a team sport (facil7)**

First-Year	Valid N	14594	5305	9714	3341	3138	36092	Never	7725	53	3004	57	5451	56	1444	43	1289	41	18913	52
	Mean	1.94	1.86	1.92	2.28	2.39	1.99	Occasionally	2549	17	848	16	1367	14	495	15	402	13	5661	16
	Std Dev	1.15	1.13	1.19	1.28	1.32	1.20	Often	1843	13	637	12	1071	11	426	13	395	13	4372	12
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	2477	17	816	15	1825	19	976	29	1052	34	7146	20
Sophomore	Valid N	6456	2207	5799	1422	1339	17223	Never	3398	53	1047	47	2795	48	730	51	632	47	8602	50
	Mean	1.93	2.01	2.05	2.10	2.18	2.01	Occasionally	1199	19	465	21	1121	19	189	13	187	14	3161	18
	Std Dev	1.15	1.14	1.19	1.28	1.27	1.18	Often	763	12	323	15	707	12	137	10	169	13	2099	12
	S.E.M.	0.01	0.02	0.02	0.03	0.03	0.01	Very often	1096	17	372	17	1176	20	366	26	351	26	3361	20
Junior	Valid N	4870	2147	4885	1109	1806	14817	Never	2797	57	1028	48	2913	60	597	54	976	54	8311	56
	Mean	1.81	2.00	1.81	1.99	2.01	1.87	Occasionally	895	18	452	21	754	15	164	15	249	14	2514	17
	Std Dev	1.10	1.13	1.12	1.23	1.25	1.15	Often	484	10	311	14	474	10	106	10	163	9	1538	10
	S.E.M.	0.02	0.02	0.02	0.04	0.03	0.01	Very often	694	14	356	17	744	15	242	22	418	23	2454	17
Senior	Valid N	5836	1882	7086	1825	1654	18283	Never	3344	57	958	51	4020	57	895	49	1016	61	10233	56
	Mean	1.79	1.90	1.86	2.09	1.84	1.86	Occasionally	1127	19	410	22	1151	16	301	16	194	12	3183	17
	Std Dev	1.07	1.09	1.14	1.24	1.19	1.13	Often	611	10	249	13	792	11	194	11	140	8	1986	11
	S.E.M.	0.01	0.03	0.01	0.03	0.03	0.01	Very often	754	13	265	14	1123	16	435	24	304	18	2881	16
Table Total	Valid N	31756	11541	27484	7697	7937	86415	Never	17264	54	6037	52	15179	55	3666	48	3913	49	46059	53
	Mean	1.89	1.92	1.91	2.16	2.15	1.95	Occasionally	5770	18	2175	19	4393	16	1149	15	1032	13	14519	17
	Std Dev	1.13	1.13	1.17	1.27	1.28	1.17	Often	3701	12	1520	13	3044	11	863	11	867	11	9995	12
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	5021	16	1809	16	4868	18	2019	26	2125	27	15842	18

**Followed regular exercise schedule (facil8)**

First-Year	Valid N	14588	5295	9710	3340	3138	36071	Never	4514	31	1641	31	3152	32	789	24	920	29	11016	31
	Mean	2.36	2.38	2.35	2.61	2.51	2.39	Occasionally	3936	27	1360	26	2463	25	815	24	701	22	9275	26
	Std Dev	1.16	1.17	1.17	1.17	1.21	1.17	Often	2558	18	955	18	1672	17	636	19	526	17	6347	18
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	3580	25	1339	25	2423	25	1100	33	991	32	9433	26
Sophomore	Valid N	6458	2206	5795	1425	1338	17222	Never	2029	31	546	25	1610	28	392	28	415	31	4992	29
	Mean	2.35	2.59	2.44	2.52	2.39	2.43	Occasionally	1736	27	536	24	1572	27	357	25	359	27	4560	26
	Std Dev	1.16	1.18	1.16	1.20	1.19	1.17	Often	1111	17	396	18	1071	18	226	16	195	15	2999	17
	S.E.M.	0.01	0.03	0.02	0.03	0.03	0.01	Very often	1582	24	728	33	1542	27	450	32	369	28	4671	27
Junior	Valid N	4863	2148	4879	1111	1802	14803	Never	1642	34	517	24	1711	35	336	30	634	35	4840	33
	Mean	2.30	2.60	2.25	2.44	2.32	2.34	Occasionally	1281	26	543	25	1306	27	271	24	417	23	3818	26
	Std Dev	1.16	1.18	1.15	1.20	1.19	1.17	Often	800	16	373	17	794	16	180	16	295	16	2442	16
	S.E.M.	0.02	0.03	0.02	0.04	0.03	0.01	Very often	1140	23	715	33	1068	22	324	29	456	25	3703	25
Senior	Valid N	5834	1884	7080	1825	1656	18279	Never	1932	33	453	24	2378	34	451	25	690	42	5904	32
	Mean	2.28	2.68	2.27	2.53	2.11	2.33	Occasionally	1626	28	411	22	1960	28	488	27	407	25	4892	27
	Std Dev	1.15	1.21	1.14	1.15	1.14	1.16	Often	965	17	311	17	1213	17	351	19	252	15	3092	17
	S.E.M.	0.02	0.03	0.01	0.03	0.03	0.01	Very often	1311	22	709	38	1529	22	535	29	307	19	4391	24
Table Total	Valid N	31743	11533	27464	7701	7934	86375	Never	10117	32	3157	27	8851	32	1968	26	2659	34	26752	31
	Mean	2.33	2.51	2.33	2.55	2.36	2.38	Occasionally	8579	27	2850	25	7301	27	1931	25	1884	24	22545	26
	Std Dev	1.16	1.18	1.16	1.18	1.20	1.17	Often	5434	17	2035	18	4750	17	1393	18	1268	16	14880	17
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	7613	24	3491	30	6562	24	2409	31	2123	27	22198	26

**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Attended a meeting of campus org. (clubs1)</b>																				
First-Year	Valid N	14601	5300	9718	3341	3141	36101	Never	4260	29	2099	40	4759	49	826	25	1259	40	13203	37
	Mean	2.37	2.18	1.96	2.44	2.10	2.22	Occasionally	4188	29	1260	24	2205	23	1049	31	861	27	9563	26
	Std Dev	1.14	1.16	1.12	1.11	1.12	1.15	Often	2581	18	842	16	1159	12	641	19	467	15	5690	16
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	3572	24	1099	21	1595	16	825	25	554	18	7645	21
Sophomore	Valid N	6446	2205	5799	1421	1338	17209	Never	1519	24	673	31	2008	35	218	15	470	35	4888	28
	Mean	2.56	2.50	2.30	2.76	2.24	2.46	Occasionally	1775	28	473	21	1449	25	426	30	362	27	4485	26
	Std Dev	1.15	1.23	1.18	1.11	1.15	1.18	Often	1168	18	344	16	953	16	253	18	216	16	2934	17
	S.E.M.	0.01	0.03	0.02	0.03	0.03	0.01	Very often	1984	31	715	32	1389	24	524	37	290	22	4902	28
Junior	Valid N	4874	2147	4887	1108	1807	14823	Never	1404	29	627	29	1965	40	199	18	687	38	4882	33
	Mean	2.48	2.57	2.23	2.68	2.25	2.40	Occasionally	1202	25	426	20	1047	21	332	30	410	23	3417	23
	Std Dev	1.20	1.24	1.21	1.12	1.19	1.21	Often	791	16	331	15	682	14	204	18	280	15	2288	15
	S.E.M.	0.02	0.03	0.02	0.03	0.03	0.01	Very often	1477	30	763	36	1193	24	373	34	430	24	4236	29
Senior	Valid N	5837	1887	7087	1825	1657	18293	Never	1678	29	550	29	2421	34	273	15	686	41	5608	31
	Mean	2.43	2.48	2.31	2.74	2.12	2.39	Occasionally	1595	27	448	24	1807	25	539	30	413	25	4802	26
	Std Dev	1.17	1.20	1.18	1.08	1.15	1.18	Often	953	16	323	17	1098	15	405	22	233	14	3012	16
	S.E.M.	0.02	0.03	0.01	0.03	0.03	0.01	Very often	1611	28	566	30	1761	25	608	33	325	20	4871	27
Table Total	Valid N	31758	11539	27491	7695	7943	86426	Never	8861	28	3949	34	11153	41	1516	20	3102	39	28581	33
	Mean	2.44	2.36	2.17	2.60	2.16	2.33	Occasionally	8760	28	2607	23	6508	24	2346	30	2046	26	22267	26
	Std Dev	1.16	1.21	1.18	1.11	1.15	1.18	Often	5493	17	1840	16	3892	14	1503	20	1196	15	13924	16
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	8644	27	3143	27	5938	22	2330	30	1599	20	21654	25

**Worked on campus committee/organization (clubs2)**

First-Year	Valid N	14596	5296	9716	3335	3138	36081	Never	8147	56	3153	60	6816	70	1646	49	1954	62	21716	60
	Mean	1.83	1.73	1.53	1.95	1.65	1.73	Occasionally	2820	19	1001	19	1408	14	747	22	607	19	6583	18
	Std Dev	1.09	1.03	0.94	1.12	0.98	1.04	Often	1654	11	574	11	694	7	416	12	292	9	3630	10
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	1975	14	568	11	798	8	526	16	285	9	4152	12
Sophomore	Valid N	6452	2206	5794	1422	1339	17213	Never	2922	45	1069	48	3183	55	520	37	723	54	8417	49
	Mean	2.11	2.00	1.87	2.31	1.87	2.01	Occasionally	1300	20	474	21	1066	18	312	22	263	20	3415	20
	Std Dev	1.20	1.15	1.12	1.21	1.11	1.17	Often	813	13	267	12	657	11	219	15	158	12	2114	12
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	1417	22	396	18	888	15	371	26	195	15	3267	19
Junior	Valid N	4863	2145	4889	1107	1808	14812	Never	2316	48	1006	47	2930	60	374	34	1006	56	7632	52
	Mean	2.09	2.08	1.80	2.35	1.86	1.98	Occasionally	882	18	420	20	761	16	275	25	332	18	2670	18
	Std Dev	1.21	1.20	1.13	1.20	1.13	1.19	Often	589	12	257	12	432	9	156	14	179	10	1613	11
	S.E.M.	0.02	0.03	0.02	0.04	0.03	0.01	Very often	1076	22	462	22	766	16	302	27	291	16	2897	20
Senior	Valid N	5833	1885	7083	1823	1655	18279	Never	2763	47	958	51	3657	52	523	29	903	55	8804	48
	Mean	2.08	1.92	1.95	2.46	1.86	2.03	Occasionally	1104	19	428	23	1383	20	446	24	327	20	3688	20
	Std Dev	1.20	1.12	1.15	1.17	1.11	1.17	Often	710	12	198	11	816	12	349	19	176	11	2249	12
	S.E.M.	0.02	0.03	0.01	0.03	0.03	0.01	Very often	1256	22	301	16	1227	17	505	28	249	15	3538	19
Table Total	Valid N	31744	11532	27482	7687	7940	86385	Never	16148	51	6186	54	16586	60	3063	40	4586	58	46569	54
	Mean	1.97	1.88	1.76	2.19	1.78	1.89	Occasionally	6106	19	2323	20	4618	17	1780	23	1529	19	16356	19
	Std Dev	1.16	1.11	1.08	1.18	1.07	1.13	Often	3766	12	1296	11	2599	9	1140	15	805	10	9606	11
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	5724	18	1727	15	3679	13	1704	22	1020	13	13854	16

**Worked on off-campus committee/org. (clubs3)**

First-Year	Valid N	14599	5304	9710	3339	3138	36090	Never	9712	67	3386	64	6583	68	2095	63	1921	61	23697	66
	Mean	1.55	1.61	1.54	1.59	1.64	1.57	Occasionally	2738	19	1001	19	1659	17	747	22	675	22	6820	19
	Std Dev	0.90	0.95	0.91	0.90	0.94	0.91	Often	1174	8	496	9	806	8	265	8	307	10	3048	8
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	975	7	421	8	662	7	232	7	235	7	2525	7
Sophomore	Valid N	6448	2207	5793	1422	1340	17210	Never	3828	59	1279	58	3385	58	930	65	741	55	10163	59
	Mean	1.69	1.70	1.69	1.55	1.73	1.68	Occasionally	1410	22	508	23	1324	23	300	21	354	26	3896	23
	Std Dev	0.99	0.98	0.97	0.90	0.98	0.97	Often	575	9	218	10	576	10	88	6	114	9	1571	9
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	635	10	202	9	508	9	104	7	131	10	1580	9
Junior	Valid N	4870	2145	4890	1107	1807	14819	Never	2787	57	1214	57	2940	60	670	61	995	55	8606	58
	Mean	1.75	1.75	1.68	1.65	1.75	1.72	Occasionally	1096	23	480	22	1036	21	253	23	443	25	3308	22
	Std Dev	1.03	1.02	0.99	0.96	1.00	1.01	Often	415	9	218	10	449	9	85	8	190	11	1357	9
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	572	12	233	11	465	10	99	9	179	10	1548	10
Senior	Valid N	5828	1887	7079	1820	1656	18270	Never	3247	56	1064	56	3958	56	957	53	871	53	10097	55
	Mean	1.76	1.75	1.73	1.76	1.81	1.75	Occasionally	1368	23	445	24	1780	25	510	28	407	25	4510	25
	Std Dev	1.02	1.01	0.98	0.96	1.02	1.00	Often	578	10	171	9	660	9	191	10	196	12	1796	10
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	635	11	207	11	681	10	162	9	182	11	1867	10
Table Total	Valid N	31745	11543	27472	7688	7941	86389	Never	19574	62	6943	60	16866	61	4652	61	4528	57	52563	61
	Mean	1.65	1.68	1.65	1.63	1.71	1.66	Occasionally	6612	21	2434	21	5799	21	1810	24	1879	24	18534	21
	Std Dev	0.97	0.98	0.96	0.93	0.98	0.96	Often	2742	9	1103	10	2491	9	629	8	807	10	7772	9
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	2817	9	1063	9	2316	8	597	8	727	9	7520	9

**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Met with faculty to discuss campus group (clubs4)</b>																				
First-Year	Valid N	14583	5296	9715	3339	3135	36068	Never	10730	74	3666	69	7447	77	2271	68	2211	71	26325	73
	Mean	1.39	1.49	1.34	1.48	1.43	1.40	Occasionally	2514	17	953	18	1471	15	686	21	616	20	6240	17
	Std Dev	0.74	0.86	0.71	0.81	0.77	0.76	Often	872	6	372	7	521	5	231	7	186	6	2182	6
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.01	Very often	467	3	305	6	276	3	151	5	122	4	1321	4
Sophomore	Valid N	6444	2201	5790	1420	1337	17192	Never	4275	66	1259	57	3838	66	920	65	831	62	11123	65
	Mean	1.54	1.75	1.53	1.52	1.61	1.57	Occasionally	1275	20	467	21	1169	20	330	23	292	22	3533	21
	Std Dev	0.88	1.03	0.86	0.83	0.93	0.90	Often	490	8	233	11	477	8	99	7	114	9	1413	8
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	404	6	242	11	306	5	71	5	100	7	1123	7
Junior	Valid N	4864	2145	4885	1106	1804	14804	Never	3094	64	1100	51	3225	66	667	60	1068	59	9154	62
	Mean	1.60	1.86	1.55	1.65	1.65	1.63	Occasionally	1002	21	509	24	979	20	255	23	428	24	3173	21
	Std Dev	0.93	1.06	0.89	0.94	0.92	0.94	Often	395	8	266	12	347	7	93	8	186	10	1287	9
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	373	8	270	13	334	7	91	8	122	7	1190	8
Senior	Valid N	5826	1883	7079	1823	1655	18266	Never	3615	62	862	46	4063	57	860	47	973	59	10373	57
	Mean	1.62	2.04	1.70	1.85	1.69	1.73	Occasionally	1265	22	420	22	1674	24	557	31	374	23	4290	23
	Std Dev	0.94	1.15	0.97	0.99	0.98	0.99	Often	476	8	259	14	726	10	225	12	157	9	1843	10
	S.E.M.	0.01	0.03	0.01	0.02	0.02	0.01	Very often	470	8	342	18	616	9	181	10	151	9	1760	10
Table Total	Valid N	31717	11525	27469	7688	7931	86330	Never	21714	68	6887	60	18573	68	4718	61	5083	64	56975	66
	Mean	1.49	1.70	1.51	1.60	1.56	1.54	Occasionally	6056	19	2349	20	5293	19	1828	24	1710	22	17236	20
	Std Dev	0.85	1.00	0.86	0.89	0.88	0.88	Often	2233	7	1130	10	2071	8	648	8	643	8	6725	8
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very often	1714	5	1159	10	1532	6	494	6	495	6	5394	6

**Managed an organization on or off campus (clubs5)**

First-Year	Valid N	14575	5288	9690	3332	3128	36013	Never	9780	67	3446	65	7023	72	2131	64	2018	65	24398	68
	Mean	1.58	1.61	1.48	1.64	1.60	1.56	Occasionally	2360	16	887	17	1313	14	575	17	566	18	5701	16
	Std Dev	0.95	0.97	0.89	0.99	0.94	0.94	Often	1248	9	515	10	738	8	314	9	307	10	3122	9
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	1187	8	440	8	616	6	312	9	237	8	2792	8
Sophomore	Valid N	6446	2204	5784	1423	1333	17190	Never	3368	52	1212	55	3373	58	692	49	742	56	9387	55
	Mean	1.96	1.88	1.79	2.03	1.84	1.89	Occasionally	1123	17	403	18	983	17	269	19	252	19	3030	18
	Std Dev	1.16	1.13	1.08	1.18	1.10	1.13	Often	815	13	238	11	687	12	191	13	148	11	2079	12
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	1140	18	351	16	741	13	271	19	191	14	2694	16
Junior	Valid N	4862	2144	4884	1108	1800	14798	Never	2387	49	1004	47	2830	58	490	44	938	52	7649	52
	Mean	2.08	2.10	1.85	2.20	1.95	2.00	Occasionally	776	16	402	19	758	16	187	17	319	18	2442	17
	Std Dev	1.23	1.21	1.14	1.24	1.15	1.20	Often	608	13	264	12	511	10	154	14	240	13	1777	12
	S.E.M.	0.02	0.03	0.02	0.04	0.03	0.01	Very often	1091	22	474	22	785	16	277	25	303	17	2930	20
Senior	Valid N	5819	1884	7053	1820	1647	18223	Never	2738	47	940	50	3513	50	616	34	823	50	8630	47
	Mean	2.12	2.00	2.03	2.40	1.99	2.09	Occasionally	992	17	361	19	1221	17	373	20	319	19	3266	18
	Std Dev	1.23	1.18	1.19	1.22	1.16	1.21	Often	757	13	218	12	925	13	314	17	211	13	2425	13
	S.E.M.	0.02	0.03	0.01	0.03	0.03	0.01	Very often	1332	23	365	19	1394	20	517	28	294	18	3902	21
Table Total	Valid N	31702	11520	27411	7683	7908	86224	Never	18273	58	6602	57	16739	61	3929	51	4521	57	50664	58
	Mean	1.83	1.82	1.75	1.97	1.80	1.81	Occasionally	5251	17	2053	18	4275	16	1404	18	1456	18	14439	17
	Std Dev	1.12	1.10	1.08	1.16	1.08	1.11	Often	3428	11	1235	11	2861	10	973	13	906	11	9403	11
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	4750	15	1630	14	3536	13	1377	18	1025	13	12318	14

**Told friend about reaction to others (pers1)**

First-Year	Valid N	14601	5305	9724	3341	3137	36108	Never	686	5	415	8	519	5	114	3	168	5	1902	5
	Mean	3.10	2.98	3.01	3.14	2.99	3.05	Occasionally	3249	22	1299	24	2518	26	732	22	831	26	8629	24
	Std Dev	0.90	0.97	0.92	0.87	0.92	0.92	Often	4575	31	1582	30	3076	32	1066	32	995	32	11294	31
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	6091	42	2009	38	3611	37	1429	43	1143	36	14283	40
Sophomore	Valid N	6443	2212	5803	1423	1337	17218	Never	259	4	206	9	220	4	30	2	75	6	790	5
	Mean	3.12	2.97	3.09	3.26	2.97	3.09	Occasionally	1431	22	506	23	1390	24	250	18	372	28	3949	23
	Std Dev	0.89	1.00	0.89	0.82	0.93	0.90	Often	2049	32	638	29	1848	32	460	32	409	31	5404	31
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	2704	42	862	39	2345	40	683	48	481	36	7075	41
Junior	Valid N	4867	2142	4886	1108	1808	14811	Never	189	4	198	9	201	4	28	3	86	5	702	5
	Mean	3.13	3.00	3.07	3.28	2.95	3.08	Occasionally	1076	22	460	21	1184	24	200	18	528	29	3448	23
	Std Dev	0.89	0.99	0.89	0.84	0.90	0.91	Often	1509	31	626	29	1575	32	318	29	582	32	4610	31
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	2093	43	858	40	1926	39	562	51	612	34	6051	41
Senior	Valid N	5835	1885	7071	1819	1657	18267	Never	192	3	160	8	271	4	32	2	91	5	746	4
	Mean	3.11	2.93	3.07	3.29	2.90	3.07	Occasionally	1409	24	484	26	1733	25	323	18	498	30	4447	24
	Std Dev	0.88	0.98	0.89	0.82	0.90	0.89	Often	1820	31	565	30	2285	32	556	31	559	34	5785	32
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	2414	41	676	36	2782	39	908	50	509	31	7289	40
Table Total	Valid N	31746	11544	27484	7691	7939	86404	Never	1326	4	979	8	1211	4	204	3	420	5	4140	5
	Mean	3.11	2.97	3.05	3.22	2.96	3.07	Occasionally	7165	23	2749	24	6825	25	1505	20	2229	28	20473	24
	Std Dev	0.89	0.98	0.90	0.85	0.91	0.91	Often	9953	31	3411	30	8784	32	2400	31	2545	32	27093	31
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	13302	42	4405	38	10664	39	3582	47	2745	35	34698	40

**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Discussed why some people get along (pers2)</b>																				
First-Year	Valid N	14605	5299	9716	3342	3138	36100	Never	839	6	488	9	639	7	167	5	205	7	2338	6
	Mean	3.02	2.88	2.92	3.07	2.93	2.97	Occasionally	3603	25	1452	27	2709	28	789	24	882	28	9435	26
	Std Dev	0.92	0.98	0.93	0.91	0.94	0.94	Often	4656	32	1593	30	3118	32	1039	31	988	31	11394	32
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	5507	38	1766	33	3250	33	1347	40	1063	34	12933	36
Sophomore	Valid N	6446	2210	5792	1423	1337	17208	Never	325	5	290	13	279	5	53	4	85	6	1032	6
	Mean	3.04	2.85	2.97	3.17	2.88	2.99	Occasionally	1578	24	513	23	1590	27	292	21	409	31	4382	25
	Std Dev	0.91	1.04	0.90	0.88	0.93	0.93	Often	2089	32	651	29	1920	33	437	31	421	31	5518	32
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	2454	38	756	34	2003	35	641	45	422	32	6276	36
Junior	Valid N	4858	2144	4879	1110	1806	14797	Never	230	5	258	12	274	6	43	4	105	6	910	6
	Mean	3.03	2.87	2.95	3.16	2.86	2.97	Occasionally	1233	25	523	24	1369	28	245	22	579	32	3949	27
	Std Dev	0.90	1.03	0.92	0.90	0.91	0.93	Often	1570	32	609	28	1583	32	313	28	588	33	4663	32
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	1825	38	754	35	1653	34	509	46	534	30	5275	36
Senior	Valid N	5827	1880	7065	1820	1653	18245	Never	278	5	262	14	365	5	50	3	112	7	1067	6
	Mean	3.02	2.77	2.97	3.19	2.82	2.97	Occasionally	1516	26	501	27	1965	28	385	21	544	33	4911	27
	Std Dev	0.91	1.04	0.91	0.86	0.92	0.93	Often	1849	32	531	28	2268	32	555	30	526	32	5729	31
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	2184	37	586	31	2467	35	830	46	471	28	6538	36
Table Total	Valid N	31736	11533	27452	7695	7934	86350	Never	1672	5	1298	11	1557	6	813	4	507	6	5347	6
	Mean	3.02	2.85	2.95	3.13	2.88	2.97	Occasionally	7930	25	2989	26	7633	28	1711	22	2414	30	22677	26
	Std Dev	0.92	1.01	0.92	0.89	0.93	0.93	Often	10164	32	3384	29	8889	32	2344	30	2523	32	27304	32
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	11970	38	3862	33	9373	34	3327	43	2490	31	31022	36

**Asked for help with a personal problem (pers3)**

First-Year	Valid N	14594	5287	9711	3332	3138	36062	Never	1179	8	607	11	727	7	213	6	249	8	2975	8
	Mean	2.97	2.90	2.98	3.00	2.95	2.96	Occasionally	3811	26	1311	25	2460	25	886	27	831	26	9299	26
	Std Dev	0.99	1.04	0.97	0.96	0.98	0.99	Often	3879	27	1374	26	2765	28	917	28	890	28	9825	27
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	5725	39	1995	38	3759	39	1316	39	1168	37	13963	39
Sophomore	Valid N	6442	2203	5795	1419	1337	17196	Never	516	8	377	17	342	6	93	7	117	9	1445	8
	Mean	2.96	2.77	3.04	3.03	2.83	2.96	Occasionally	1709	27	525	24	1454	25	372	26	422	32	4482	26
	Std Dev	0.98	1.11	0.94	0.98	0.98	0.99	Often	1745	27	519	24	1652	29	348	25	375	28	4639	27
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	2472	38	782	35	2347	41	606	43	423	32	6630	39
Junior	Valid N	4864	2143	4883	1108	1803	14801	Never	403	8	417	19	369	8	87	8	160	9	1436	10
	Mean	2.91	2.70	2.93	3.00	2.74	2.87	Occasionally	1412	29	529	25	1376	28	296	27	652	36	4265	29
	Std Dev	0.99	1.12	0.97	1.01	0.97	1.01	Often	1284	26	486	23	1364	28	250	23	479	27	3863	26
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	1765	36	711	33	1774	36	475	43	512	28	5237	35
Senior	Valid N	5830	1880	7068	1819	1653	18250	Never	471	8	472	25	542	8	94	5	178	11	1757	10
	Mean	2.88	2.52	2.90	3.07	2.71	2.85	Occasionally	1808	31	486	26	2137	30	471	26	583	35	5485	30
	Std Dev	0.98	1.15	0.98	0.95	0.99	1.00	Often	1528	26	394	21	1892	27	467	26	437	26	4718	26
	S.E.M.	0.01	0.03	0.01	0.02	0.02	0.01	Very often	2023	35	528	28	2497	35	787	43	455	28	6290	34
Table Total	Valid N	31730	11513	27457	7678	7931	86309	Never	2569	8	1873	16	1980	7	487	6	704	9	7613	9
	Mean	2.94	2.78	2.96	3.02	2.83	2.92	Occasionally	8740	28	2851	25	7427	27	2025	26	2488	31	23531	27
	Std Dev	0.99	1.09	0.97	0.97	0.98	1.00	Often	8436	27	2773	24	7673	28	1982	26	2181	27	23045	27
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	11985	38	4016	35	10377	38	3184	41	2558	32	32120	37

**Read about personal growth/self-improve (pers4)**

First-Year	Valid N	14589	5304	9694	3338	3137	36062	Never	5550	38	1952	37	3411	35	1284	38	1191	38	13388	37
	Mean	1.98	2.02	2.04	1.98	1.99	2.01	Occasionally	5332	37	1897	36	3602	37	1192	36	1127	36	13150	36
	Std Dev	0.98	1.00	0.99	0.99	0.99	0.99	Often	2121	15	837	16	1557	16	492	15	466	15	5473	15
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	1586	11	618	12	1124	12	370	11	353	11	4051	11
Sophomore	Valid N	6439	2205	5786	1424	1337	17191	Never	2263	35	808	37	1711	30	569	40	440	33	5791	34
	Mean	2.06	2.05	2.16	1.92	2.11	2.08	Occasionally	2354	37	774	35	2209	38	541	38	495	37	6373	37
	Std Dev	1.01	1.03	1.00	0.95	1.01	1.00	Often	1008	16	320	15	1087	19	173	12	223	17	2811	16
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	814	13	303	14	779	13	141	10	179	13	2216	13
Junior	Valid N	4859	2143	4878	1109	1805	14794	Never	1624	33	744	35	1449	30	421	38	512	28	4750	32
	Mean	2.09	2.08	2.16	1.98	2.18	2.11	Occasionally	1831	38	766	36	1846	38	423	38	710	39	5576	38
	Std Dev	1.01	1.02	1.00	0.98	1.00	1.01	Often	762	16	344	16	920	19	136	12	333	18	2495	17
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	642	13	289	13	663	14	129	12	250	14	1973	13
Senior	Valid N	5836	1886	7070	1817	1653	18262	Never	1797	31	633	34	1992	28	648	36	432	26	5502	30
	Mean	2.13	2.13	2.19	2.00	2.26	2.15	Occasionally	2253	39	660	35	2742	39	705	39	628	38	6988	38
	Std Dev	1.00	1.04	1.00	0.96	1.02	1.00	Often	994	17	306	16	1346	19	271	15	329	20	3246	18
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	792	14	287	15	990	14	193	11	264	16	2526	14
Table Total	Valid N	31723	11538	27428	7688	7932	86309	Never	11234	35	4137	36	8563	31	2922	38	2575	32	29431	34
	Mean	2.04	2.06	2.13	1.98	2.11	2.07	Occasionally	11770	37	4097	36	10399	38	2861	37	2960	37	32087	37
	Std Dev	0.99	1.02	1.00	0.98	1.01	1.00	Often	4885	15	1807	16	4910	18	1072	14	1351	17	14025	16
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	3834	12	1497	13	3556	13	833	11	1046	13	10766	12

**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Identified with book/movie/TV character (pers5)</b>																				
First-Year	Valid N	14601	5303	9717	3342	3138	36101	Never	1326	9	739	14	983	10	262	8	320	10	3630	10
	Mean	2.77	2.66	2.72	2.82	2.68	2.74	Occasionally	4778	33	1707	32	3320	34	1063	32	1123	36	11991	33
	Std Dev	0.96	1.01	0.97	0.94	0.95	0.97	Often	4383	30	1483	28	2815	29	1039	31	941	30	10661	30
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	4114	28	1374	26	2599	27	978	29	754	24	9819	27
Sophomore	Valid N	6443	2207	5796	1423	1336	17205	Never	550	9	409	19	477	8	99	7	139	10	1674	10
	Mean	2.80	2.61	2.77	2.87	2.70	2.76	Occasionally	2087	32	619	28	1906	33	449	32	472	35	5533	32
	Std Dev	0.96	1.06	0.93	0.95	0.97	0.97	Often	1920	30	603	27	1871	32	407	29	377	28	5178	30
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	1886	29	576	26	1542	27	468	33	348	26	4820	28
Junior	Valid N	4860	2145	4882	1110	1807	14804	Never	438	9	404	19	409	8	83	7	194	11	1528	10
	Mean	2.78	2.59	2.76	2.84	2.66	2.74	Occasionally	1609	33	622	29	1667	34	373	34	663	37	4934	33
	Std Dev	0.96	1.07	0.94	0.97	0.96	0.98	Often	1414	29	562	26	1479	30	295	27	519	29	4269	29
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	1399	29	557	26	1327	27	359	32	431	24	4073	28
Senior	Valid N	5833	1887	7074	1818	1654	18266	Never	508	9	462	24	628	9	136	7	178	11	1912	10
	Mean	2.76	2.46	2.72	2.83	2.63	2.71	Occasionally	2030	35	533	28	2535	36	581	32	644	39	6323	35
	Std Dev	0.96	1.10	0.95	0.94	0.96	0.97	Often	1666	29	447	24	2081	29	562	31	442	27	5198	28
	S.E.M.	0.01	0.03	0.01	0.02	0.02	0.01	Very often	1629	28	445	24	1830	26	539	30	390	24	4833	26
Table Total	Valid N	31737	11542	27469	7693	7935	86376	Never	2822	9	2014	17	2497	9	580	8	831	10	8744	10
	Mean	2.78	2.61	2.74	2.83	2.67	2.74	Occasionally	10504	33	3481	30	9428	34	2466	32	2902	37	28781	33
	Std Dev	0.96	1.05	0.95	0.95	0.96	0.97	Often	9383	30	3095	27	8246	30	2303	30	2279	29	25306	29
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	9028	28	2952	26	7298	27	2344	30	1923	24	23545	27

**Took test to measure abilities/interests (pers6)**

First-Year	Valid N	14600	5291	9698	3335	3134	36058	Never	3216	22	1267	24	2037	21	779	23	569	18	7868	22
	Mean	2.28	2.25	2.28	2.21	2.31	2.27	Occasionally	6242	43	2174	41	4303	44	1500	45	1454	46	15673	43
	Std Dev	0.97	0.97	0.95	0.95	0.93	0.96	Often	3009	21	1105	21	1977	20	616	18	672	21	7379	20
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	2133	15	745	14	1381	14	440	13	439	14	5138	14
Sophomore	Valid N	6445	2206	5791	1423	1335	17200	Never	1492	23	647	29	1218	21	360	25	298	22	4015	23
	Mean	2.23	2.13	2.26	2.13	2.22	2.22	Occasionally	2862	44	904	41	2592	45	684	48	625	47	7667	45
	Std Dev	0.96	0.97	0.94	0.92	0.94	0.95	Often	1198	19	384	17	1222	21	215	15	238	18	3257	19
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	893	14	271	12	759	13	164	12	174	13	2261	13
Junior	Valid N	4859	2145	4877	1109	1805	14795	Never	1259	26	636	30	1097	22	332	30	399	22	3723	25
	Mean	2.15	2.12	2.22	2.04	2.20	2.16	Occasionally	2200	45	897	42	2232	46	522	47	859	48	6710	45
	Std Dev	0.94	0.98	0.93	0.92	0.91	0.94	Often	815	17	336	16	947	19	136	12	336	19	2570	17
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	585	12	276	13	601	12	119	11	211	12	1792	12
Senior	Valid N	5834	1885	7064	1817	1653	18253	Never	1528	26	584	31	1610	23	466	26	344	21	4532	25
	Mean	2.14	2.11	2.21	2.16	2.24	2.18	Occasionally	2627	45	769	41	3230	46	823	45	771	47	8220	45
	Std Dev	0.94	0.99	0.93	0.95	0.92	0.94	Often	997	17	277	15	1344	19	298	16	336	20	3252	18
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	682	12	255	14	880	12	230	13	202	12	2249	12
Table Total	Valid N	31738	11527	27430	7684	7927	86306	Never	7495	24	3134	27	5962	22	1937	25	1610	20	20138	23
	Mean	2.22	2.18	2.25	2.16	2.26	2.22	Occasionally	13931	44	4744	41	12357	45	3529	46	3709	47	38270	44
	Std Dev	0.96	0.98	0.94	0.94	0.92	0.95	Often	6019	19	2102	18	5490	20	1265	16	1582	20	16458	19
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	4293	14	1547	13	3621	13	953	12	1026	13	11440	13

**Asked friend his/her opinion of you (pers7)**

First-Year	Valid N	14596	5297	9706	3340	3135	36074	Never	3390	23	1267	24	2001	21	817	24	670	21	8145	23
	Mean	2.32	2.35	2.41	2.28	2.39	2.35	Occasionally	5649	39	1853	35	3583	37	1299	39	1150	37	13534	38
	Std Dev	1.01	1.03	1.02	1.01	1.02	1.02	Often	3086	21	1219	23	2279	23	683	20	723	23	7990	22
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	2471	17	958	18	1843	19	541	16	592	19	6405	18
Sophomore	Valid N	6447	2207	5792	1423	1335	17204	Never	1592	25	675	31	1130	20	432	30	313	23	4142	24
	Mean	2.27	2.19	2.40	2.09	2.32	2.29	Occasionally	2529	39	791	36	2227	38	596	42	502	38	6645	39
	Std Dev	1.01	1.04	0.99	0.96	1.00	1.00	Often	1291	20	396	18	1437	25	228	16	305	23	3657	21
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	1035	16	345	16	998	17	167	12	215	16	2760	16
Junior	Valid N	4857	2141	4876	1109	1805	14788	Never	1260	26	686	32	1135	23	335	30	423	23	3839	26
	Mean	2.22	2.13	2.29	2.09	2.26	2.22	Occasionally	1983	41	782	37	1938	40	473	43	744	41	5920	40
	Std Dev	1.00	1.01	0.98	0.97	0.97	0.99	Often	884	18	380	18	1078	22	166	15	384	21	2892	20
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	730	15	293	14	725	15	135	12	254	14	2137	14
Senior	Valid N	5829	1886	7063	1817	1652	18247	Never	1549	27	705	37	1667	24	470	26	455	28	4846	27
	Mean	2.18	2.03	2.26	2.20	2.18	2.20	Occasionally	2454	42	658	35	2896	41	763	42	674	41	7445	41
	Std Dev	0.98	1.01	0.97	0.98	0.99	0.98	Often	1034	18	287	15	1497	21	329	18	289	17	3436	19
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	792	14	236	13	1003	14	255	14	234	14	2520	14
Table Total	Valid N	31729	11531	27437	7689	7927	86313	Never	7791	25	3333	29	5933	22	2054	27	1861	23	20972	24
	Mean	2.27	2.23	2.35	2.20	2.31	2.29	Occasionally	12615	40	4084	35	10644	39	3131	41	3070	39	33544	39
	Std Dev	1.00	1.03	1.00	0.99	1.00	1.01	Often	6295	20	2282	20	6291	23	1406	18	1701	21	17975	21
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	5028	16	1832	16	4569	17	1098	14	1295	16	13822	16



**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Talked with F/S about personal concern (pers8)</b>																				
First-Year	Valid N	14603	5293	9712	3332	3133	36073	Never	9003	62	3114	59	5888	61	1884	57	1808	58	21697	60
	Mean	1.57	1.63	1.60	1.65	1.63	1.60	Occasionally	3696	25	1343	25	2413	25	943	28	864	28	9259	26
	Std Dev	0.85	0.89	0.88	0.89	0.87	0.87	Often	1109	8	508	10	800	8	291	9	279	9	2987	8
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.02	Very often	795	5	328	6	611	6	214	6	182	6	2130	6
Sophomore	Valid N	6442	2208	5785	1424	1336	17195	Never	3791	59	1290	58	3232	56	774	54	739	55	9826	57
	Mean	1.61	1.64	1.65	1.67	1.67	1.64	Occasionally	1722	27	574	26	1706	29	447	31	389	29	4838	28
	Std Dev	0.87	0.91	0.87	0.88	0.90	0.88	Often	559	9	191	9	514	9	109	8	117	9	1490	9
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	370	6	153	7	333	6	94	7	91	7	1041	6
Junior	Valid N	4864	2145	4872	1110	1806	14797	Never	2764	57	1160	54	2788	57	528	48	938	52	8178	55
	Mean	1.63	1.70	1.62	1.77	1.70	1.66	Occasionally	1428	29	628	29	1401	29	389	35	582	32	4428	30
	Std Dev	0.86	0.91	0.85	0.90	0.88	0.87	Often	383	8	204	10	428	9	113	10	174	10	1302	9
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	289	6	153	7	255	5	80	7	112	6	889	6
Senior	Valid N	5826	1886	7067	1815	1652	18246	Never	3130	54	968	51	3336	47	698	38	787	48	8919	49
	Mean	1.67	1.80	1.78	1.92	1.76	1.76	Occasionally	1855	32	518	27	2460	35	723	40	592	36	6148	34
	Std Dev	0.87	0.99	0.91	0.93	0.89	0.91	Often	493	8	210	11	763	11	230	13	162	10	1858	10
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	348	6	190	10	508	7	164	9	111	7	1321	7
Table Total	Valid N	31735	11532	27436	7681	7927	86311	Never	18688	59	6532	57	15244	56	3884	51	4272	54	48620	56
	Mean	1.60	1.67	1.66	1.73	1.68	1.65	Occasionally	8701	27	3063	27	7980	29	2502	33	2427	31	24673	29
	Std Dev	0.86	0.92	0.88	0.91	0.88	0.88	Often	2544	8	1113	10	2505	9	743	10	732	9	7637	9
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very often	1802	6	824	7	1707	6	552	7	496	6	5381	6

**Acquainted: students of diff. interests (stacq1)**

First-Year	Valid N	14586	5294	9722	3345	3139	36086	Never	203	1	166	3	264	3	34	1	83	3	750	2
	Mean	3.01	2.86	2.84	3.09	2.84	2.94	Occasionally	3839	26	1750	33	3299	34	756	23	1063	34	10770	30
	Std Dev	0.79	0.83	0.81	0.77	0.81	0.81	Often	6101	42	2046	39	3854	40	1423	43	1251	40	14675	41
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	4443	30	1332	25	2305	24	1132	34	742	24	9954	28
Sophomore	Valid N	6442	2205	5796	1422	1337	17202	Never	95	1	69	3	147	3	9	1	62	5	382	2
	Mean	2.96	2.82	2.81	3.05	2.77	2.88	Occasionally	1903	30	769	35	2044	35	361	25	478	36	5555	32
	Std Dev	0.80	0.82	0.80	0.77	0.84	0.81	Often	2608	40	861	39	2361	41	598	42	505	38	6933	40
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1836	29	506	23	1244	21	454	32	292	22	4332	25
Junior	Valid N	4850	2142	4884	1110	1808	14794	Never	119	2	71	3	172	4	12	1	67	4	441	3
	Mean	2.87	2.76	2.69	2.99	2.69	2.78	Occasionally	1606	33	820	38	2015	41	309	28	765	42	5515	37
	Std Dev	0.81	0.82	0.80	0.78	0.81	0.81	Often	1911	39	799	37	1829	37	464	42	644	36	5647	38
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1214	25	452	21	868	18	325	29	332	18	3191	22
Senior	Valid N	5834	1884	7085	1823	1660	18286	Never	157	3	83	4	237	3	17	1	75	5	569	3
	Mean	2.84	2.71	2.75	2.99	2.71	2.80	Occasionally	2015	35	767	41	2713	38	491	27	637	38	6623	36
	Std Dev	0.82	0.84	0.81	0.76	0.82	0.82	Often	2246	38	655	35	2729	39	808	44	636	38	7074	39
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1416	24	379	20	1406	20	507	28	312	19	4020	22
Table Total	Valid N	31712	11525	27487	7700	7944	86368	Never	574	2	389	3	820	3	72	1	287	4	2142	2
	Mean	2.95	2.81	2.79	3.05	2.77	2.87	Occasionally	9363	30	4106	36	10071	37	1917	25	2943	37	28400	33
	Std Dev	0.80	0.83	0.81	0.77	0.82	0.81	Often	12866	41	4361	38	10773	39	3293	43	3036	38	34329	40
	S.E.M.	0.00	0.01	0.00	0.01	0.01	0.00	Very often	8909	28	2669	23	5823	21	2418	31	1678	21	21497	25

**Acquainted: students of diff. background (stacq2)**

First-Year	Valid N	14565	5290	9709	3339	3130	36033	Never	200	1	144	3	271	3	35	1	83	3	733	2
	Mean	3.12	2.97	2.93	3.20	2.95	3.04	Occasionally	3138	22	1464	28	2779	29	637	19	862	28	8880	25
	Std Dev	0.79	0.83	0.82	0.78	0.81	0.81	Often	5901	41	2106	40	3995	41	1308	39	1317	42	14627	41
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	5326	37	1576	30	2664	27	1359	41	868	28	11793	33
Sophomore	Valid N	6439	2202	5793	1421	1335	17190	Never	100	2	73	3	148	3	4	0	47	4	372	2
	Mean	3.12	2.93	2.92	3.24	2.89	3.02	Occasionally	1378	21	622	28	1671	29	241	17	414	31	4326	25
	Std Dev	0.79	0.83	0.80	0.74	0.84	0.81	Often	2594	40	900	41	2452	42	582	41	519	39	7047	41
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	2367	37	607	28	1522	26	594	42	355	27	5445	32
Junior	Valid N	4847	2141	4873	1107	1806	14774	Never	81	2	78	4	164	3	14	1	59	3	396	3
	Mean	3.05	2.90	2.81	3.18	2.83	2.93	Occasionally	1223	25	642	30	1677	34	208	19	619	34	4369	30
	Std Dev	0.81	0.84	0.82	0.77	0.83	0.82	Often	1928	40	832	39	1942	40	451	41	693	38	5846	40
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1615	33	589	28	1090	22	434	39	435	24	4163	28
Senior	Valid N	5834	1884	7077	1822	1657	18274	Never	122	2	62	3	215	3	11	1	70	4	480	3
	Mean	2.99	2.87	2.86	3.12	2.82	2.92	Occasionally	1573	27	601	32	2293	32	419	23	531	32	5417	30
	Std Dev	0.81	0.83	0.82	0.77	0.83	0.82	Often	2354	40	745	40	2867	41	738	41	678	41	7382	40
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1785	31	476	25	1702	24	654	36	378	23	4995	27
Table Total	Valid N	31685	11517	27452	7689	7928	86271	Never	503	2	357	3	798	3	64	1	259	3	1981	2
	Mean	3.09	2.93	2.89	3.18	2.89	2.99	Occasionally	7312	23	3329	29	8420	31	1505	20	2426	31	22992	27
	Std Dev	0.80	0.83	0.82	0.77	0.82	0.82	Often	12777	40	4583	40	11256	41	3079	40	3207	40	34902	40
	S.E.M.	0.00	0.01	0.00	0.01	0.01	0.00	Very often	11093	35	3248	28	6978	25	3041	40	2036	26	26396	31

**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Acquainted: students of diff. age (stacq3)</b>																				
First-Year	Valid N	14557	5291	9692	3332	3129	36001	Never	266	2	168	3	239	2	66	2	80	3	819	2
	Mean	3.05	2.97	3.03	3.08	3.03	3.03	Occasionally	3724	26	1476	28	2481	26	827	25	768	25	9276	26
	Std Dev	0.82	0.85	0.83	0.83	0.82	0.83	Often	5547	38	1975	37	3766	39	1203	36	1258	40	13749	38
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	5020	34	1672	32	3206	33	1236	37	1023	33	12157	34
Sophomore	Valid N	6430	2198	5777	1421	1337	17163	Never	149	2	61	3	125	2	32	2	37	3	404	2
	Mean	3.02	3.05	3.03	2.98	3.01	3.02	Occasionally	1752	27	523	24	1426	25	417	29	354	26	4472	26
	Std Dev	0.84	0.83	0.81	0.84	0.84	0.83	Often	2323	36	869	40	2401	42	514	36	507	38	6614	39
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	2206	34	745	34	1825	32	458	32	439	33	5673	33
Junior	Valid N	4847	2137	4871	1106	1803	14764	Never	97	2	69	3	102	2	51	5	40	2	359	2
	Mean	3.00	2.97	2.97	2.93	2.97	2.98	Occasionally	1381	28	587	27	1388	28	317	29	505	28	4178	28
	Std Dev	0.83	0.84	0.82	0.88	0.81	0.83	Often	1811	37	827	39	1930	40	392	35	735	41	5695	39
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	1558	32	654	31	1451	30	346	31	523	29	4532	31
Senior	Valid N	5826	1881	7066	1821	1656	18250	Never	141	2	36	2	211	3	70	4	53	3	511	3
	Mean	2.96	3.01	2.94	2.84	2.92	2.94	Occasionally	1744	30	502	27	2049	29	643	35	492	30	5430	30
	Std Dev	0.84	0.81	0.83	0.86	0.84	0.84	Often	2157	37	746	40	2766	39	622	34	642	39	6933	38
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1784	31	597	32	2040	29	486	27	469	28	5376	29
Table Total	Valid N	31660	11507	27406	7680	7925	86178	Never	653	2	334	3	677	2	219	3	210	3	2093	2
	Mean	3.02	2.99	2.99	2.98	2.99	3.00	Occasionally	8601	27	3088	27	7344	27	2204	29	2119	27	23356	27
	Std Dev	0.83	0.84	0.82	0.85	0.83	0.83	Often	11838	37	4417	38	10863	40	2731	36	3142	40	32991	38
	S.E.M.	0.00	0.01	0.00	0.01	0.01	0.00	Very often	10568	33	3668	32	8522	31	2526	33	2454	31	27738	32

**Acquainted: students of diff. race (stacq4)**

First-Year	Valid N	14564	5282	9704	3337	3134	36021	Never	317	2	157	3	391	4	62	2	126	4	1053	4
	Mean	3.03	2.90	2.82	3.04	2.80	2.94	Occasionally	4091	28	1773	34	3505	36	931	28	1142	36	11442	32
	Std Dev	0.85	0.86	0.87	0.84	0.86	0.86	Often	5017	34	1802	34	3225	33	1156	35	1087	35	12287	34
	S.E.M.	0.01	0.01	0.01	0.01	0.02	0.00	Very often	5139	35	1550	29	2583	27	1188	36	779	25	11239	31
Sophomore	Valid N	6431	2204	5777	1420	1333	17165	Never	172	3	77	3	249	4	11	1	51	4	560	3
	Mean	3.02	2.86	2.76	3.06	2.84	2.90	Occasionally	1779	28	735	33	2230	39	413	29	482	36	5639	33
	Std Dev	0.86	0.85	0.86	0.83	0.87	0.86	Often	2233	35	817	37	1932	33	469	33	434	33	5885	34
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	2247	35	575	26	1366	24	527	37	366	27	5081	30
Junior	Valid N	4846	2140	4872	1107	1805	14770	Never	174	4	70	3	197	4	15	1	59	3	515	3
	Mean	2.97	2.83	2.73	3.02	2.81	2.85	Occasionally	1415	29	792	37	1987	41	342	31	677	38	5213	35
	Std Dev	0.88	0.86	0.84	0.85	0.85	0.87	Often	1617	33	714	33	1638	34	361	33	613	34	4943	33
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	1640	34	564	26	1050	22	389	35	456	25	4099	28
Senior	Valid N	5826	1880	7071	1821	1656	18254	Never	178	3	53	3	271	4	22	1	71	4	595	3
	Mean	2.92	2.88	2.78	2.96	2.77	2.86	Occasionally	1856	32	618	33	2673	38	601	33	627	38	6375	35
	Std Dev	0.86	0.83	0.85	0.83	0.85	0.85	Often	2017	35	705	38	2444	35	619	34	575	35	6360	35
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1775	30	504	27	1683	24	579	32	383	23	4924	27
Table Total	Valid N	31667	11506	27424	7685	7928	86210	Never	841	3	357	3	1108	4	110	1	307	4	2723	3
	Mean	3.00	2.87	2.78	3.02	2.80	2.90	Occasionally	9141	29	3918	34	10395	38	2287	30	2928	37	28669	33
	Std Dev	0.86	0.85	0.86	0.84	0.86	0.86	Often	10884	34	4038	35	9239	34	2605	34	2709	34	29475	34
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very often	10801	34	3193	28	6682	24	2683	35	1984	25	25343	29

**Acquainted: students from other country (stacq5)**

First-Year	Valid N	14567	5288	9704	3337	3132	36028	Never	1823	13	961	18	1884	19	228	7	535	17	5431	15
	Mean	2.53	2.36	2.34	2.72	2.39	2.46	Occasionally	6259	43	2352	44	4187	43	1333	40	1350	43	15481	43
	Std Dev	0.95	0.96	0.97	0.92	0.96	0.96	Often	3496	24	1085	21	2053	21	911	27	724	23	8269	23
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	2989	21	890	17	1580	16	865	26	523	17	6847	19
Sophomore	Valid N	6438	2199	5786	1422	1334	17179	Never	581	9	377	17	1044	18	53	4	186	14	2241	13
	Mean	2.64	2.31	2.30	2.76	2.51	2.48	Occasionally	2668	41	1063	48	2760	48	603	42	567	43	7661	45
	Std Dev	0.94	0.91	0.92	0.88	0.98	0.94	Often	1695	26	458	21	1207	21	398	28	296	22	4054	24
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	1494	23	301	14	775	13	368	26	285	21	3223	19
Junior	Valid N	4846	2139	4872	1108	1807	14772	Never	459	9	352	16	940	19	73	7	247	14	2071	14
	Mean	2.61	2.34	2.27	2.69	2.49	2.45	Occasionally	2061	43	1017	48	2314	47	473	43	769	43	6634	45
	Std Dev	0.94	0.92	0.92	0.92	0.95	0.94	Often	1239	26	453	21	960	20	290	26	446	25	3388	23
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	1087	22	317	15	658	14	272	25	345	19	2679	18
Senior	Valid N	5829	1883	7064	1821	1653	18250	Never	523	9	259	14	1013	14	81	4	302	18	2178	12
	Mean	2.58	2.45	2.38	2.69	2.37	2.48	Occasionally	2593	44	859	46	3441	49	813	45	707	43	8413	46
	Std Dev	0.91	0.94	0.91	0.87	0.97	0.92	Often	1508	26	424	23	1510	21	514	28	369	22	4325	24
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1205	21	341	18	1100	16	413	23	275	17	3334	18
Table Total	Valid N	31680	11509	27426	7688	7926	86229	Never	3386	11	1949	17	4881	18	435	6	1270	16	11921	14
	Mean	2.57	2.36	2.33	2.72	2.43	2.47	Occasionally	13581	43	5291	46	12702	46	3222	42	3393	43	38189	44
	Std Dev	0.94	0.94	0.94	0.90	0.96	0.95	Often	7938	25	2420	21	5730	21	2113	27	1835	23	20036	23
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	6775	21	1849	16	4113	15	1918	25	1428	18	16083	19



**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Discussions: students of diff. values (stacq6)</b>																				
First-Year	Valid N	14569	5296	9709	3341	3136	36051	Never	1569	11	727	14	1548	16	273	8	502	16	4619	13
	Mean	2.68	2.58	2.50	2.80	2.49	2.61	Occasionally	5063	35	1892	36	3625	37	1046	31	1171	37	12797	35
	Std Dev	0.96	0.97	0.98	0.94	0.97	0.97	Often	4383	30	1538	29	2636	27	1094	33	879	28	10530	29
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	3554	24	1139	22	1900	20	928	28	584	19	8105	22
Sophomore	Valid N	6439	2202	5792	1421	1335	17189	Never	625	10	266	12	733	13	75	5	195	15	1894	11
	Mean	2.72	2.61	2.54	2.84	2.51	2.64	Occasionally	2213	34	786	36	2255	39	475	33	512	38	6241	36
	Std Dev	0.95	0.95	0.93	0.89	0.95	0.95	Often	1946	30	680	31	1730	30	476	33	382	29	5214	30
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	1655	26	470	21	1074	19	395	28	246	18	3840	22
Junior	Valid N	4846	2140	4877	1107	1807	14777	Never	522	11	252	12	756	16	81	7	276	15	1887	13
	Mean	2.65	2.59	2.46	2.74	2.45	2.56	Occasionally	1763	36	804	38	1956	40	400	36	721	40	5644	38
	Std Dev	0.95	0.94	0.95	0.91	0.93	0.95	Often	1473	30	647	30	1339	27	351	32	522	29	4332	29
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	1088	22	437	20	826	17	275	25	288	16	2914	20
Senior	Valid N	5832	1881	7078	1822	1655	18268	Never	699	12	241	13	852	12	86	5	238	14	2116	12
	Mean	2.58	2.53	2.54	2.82	2.48	2.57	Occasionally	2266	39	758	40	2836	40	629	35	673	41	7162	39
	Std Dev	0.94	0.95	0.93	0.88	0.94	0.93	Often	1678	29	517	27	2080	29	626	34	462	28	5363	29
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1189	20	365	19	1310	19	481	26	282	17	3627	20
Table Total	Valid N	31686	11519	27456	7691	7933	86285	Never	3415	11	1486	13	3889	14	515	7	1211	15	10516	12
	Mean	2.66	2.58	2.51	2.80	2.48	2.60	Occasionally	11305	36	4240	37	10672	39	2550	33	3077	39	31844	37
	Std Dev	0.95	0.96	0.95	0.91	0.95	0.95	Often	9480	30	3382	29	7785	28	2547	33	2245	28	25439	29
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	7486	24	2411	21	5110	19	2079	27	1400	18	18486	21

**Discussions: students of diff. political (stacq7)**

First-Year	Valid N	14567	5293	9707	3337	3134	36038	Never	2795	19	1237	23	2707	28	531	16	848	27	8118	23
	Mean	2.47	2.34	2.21	2.56	2.24	2.37	Occasionally	5171	35	1916	36	3638	37	1178	35	1130	36	13033	36
	Std Dev	1.02	1.02	1.01	1.02	1.00	1.02	Often	3626	25	1222	23	1968	20	848	25	712	23	8376	23
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	2975	20	918	17	1394	14	780	23	444	14	6511	18
Sophomore	Valid N	6433	2203	5782	1419	1335	17172	Never	994	15	416	19	1286	22	172	12	340	25	3208	19
	Mean	2.57	2.42	2.29	2.61	2.24	2.44	Occasionally	2250	35	836	38	2341	40	544	38	519	39	6490	38
	Std Dev	1.01	0.99	0.96	0.98	0.98	1.00	Often	1692	26	557	25	1357	23	366	26	293	22	4265	25
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	1497	23	394	18	798	14	337	24	183	14	3209	19
Junior	Valid N	4850	2139	4873	1106	1805	14773	Never	879	18	388	18	1152	24	142	13	426	24	2987	20
	Mean	2.48	2.45	2.28	2.55	2.25	2.39	Occasionally	1744	36	796	37	1865	38	440	40	729	40	5574	38
	Std Dev	1.01	0.99	0.97	0.96	0.95	0.99	Often	1248	26	562	26	1186	24	299	27	427	24	3722	25
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	979	20	393	18	670	14	225	20	223	12	2490	17
Senior	Valid N	5827	1883	7073	1820	1653	18256	Never	1098	19	357	19	1296	18	171	9	355	21	3277	18
	Mean	2.45	2.40	2.40	2.69	2.30	2.44	Occasionally	2131	37	744	40	2832	40	662	36	683	41	7052	39
	Std Dev	1.01	0.98	0.97	0.94	0.96	0.98	Often	1453	25	459	24	1789	25	541	30	385	23	4627	25
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1145	20	323	17	1156	16	446	25	230	14	3300	18
Table Total	Valid N	31677	11518	27435	7682	7927	86239	Never	5766	18	2398	21	6441	23	1016	13	1969	25	17590	20
	Mean	2.49	2.39	2.29	2.60	2.25	2.40	Occasionally	11296	36	4292	37	10676	39	2824	37	3061	39	32149	37
	Std Dev	1.02	1.00	0.98	0.98	0.98	1.00	Often	8019	25	2800	24	6300	23	2054	27	1817	23	20990	24
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	6596	21	2028	18	4018	15	1788	23	1080	14	15510	18

**Discussions: students of diff. religious (stacq8)**

First-Year	Valid N	14548	5289	9701	3339	3137	36014	Never	2089	32	651	29	1920	33	437	31	421	31	5518	31
	Mean	2.64	2.54	2.41	2.70	2.40	2.55	Occasionally	2454	38	756	34	2003	35	641	45	422	32	6276	35
	Std Dev	1.01	1.01	1.02	0.99	1.00	1.01	Often	516	8	377	17	342	6	93	7	117	9	1445	8
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	1709	27	525	24	1454	25	372	26	422	32	4482	25
Sophomore	Valid N	6430	2202	5782	1421	1334	17169	Never	873	14	316	14	968	17	135	10	251	19	2543	15
	Mean	2.66	2.56	2.45	2.76	2.40	2.57	Occasionally	2093	33	825	37	2279	39	471	33	532	40	6200	36
	Std Dev	1.01	0.99	0.97	0.97	0.98	0.99	Often	1780	28	578	26	1492	26	415	29	324	24	4589	27
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	1684	26	483	22	1043	18	400	28	227	17	3837	22
Junior	Valid N	4848	2141	4873	1107	1803	14772	Never	791	16	338	16	956	20	125	11	371	21	2581	17
	Mean	2.54	2.53	2.38	2.66	2.31	2.47	Occasionally	1728	36	784	37	1901	39	392	35	747	41	5552	38
	Std Dev	1.01	0.99	0.98	0.97	0.94	0.99	Often	1236	25	567	26	1210	25	319	29	444	25	3776	26
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	1093	23	452	21	806	17	271	24	241	13	2863	19
Senior	Valid N	5823	1882	7074	1818	1652	18249	Never	1054	18	326	17	1231	17	153	8	319	19	3083	17
	Mean	2.50	2.45	2.42	2.77	2.34	2.47	Occasionally	2041	35	738	39	2866	41	598	33	706	43	6949	38
	Std Dev	1.01	0.99	0.96	0.94	0.96	0.99	Often	1513	26	459	24	1785	25	579	32	373	23	4709	26
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1215	21	359	19	1192	17	488	27	254	15	3508	19
Table Total	Valid N	31649	11514	27430	7685	7926	86204	Never	4807	20	1631	19	5075	22	850	14	1362	22	13725	20
	Mean	2.60	2.53	2.42	2.72	2.37	2.52	Occasionally	8316	35	3103	36	9049	39	2102	36	2407	39	24977	37
	Std Dev	1.01	1.00	0.99	0.97	0.97	1.00	Often	5045	21	1981	23	4829	21	1406	24	1258	20	14519	21
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	5701	24	1819	21	4495	19	1531	26	1144	19	14690	22

**Table 4-7. Individual Items**

		DRU		MA I &		Table			DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total		Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Discussions: students of diff. race (stacq9)</b>																					
First-Year	Valid N	14563	5286	9703	3335	3135	36022	Never	2389	16	955	18	2535	26	457	14	777	25	7113	20	
	Mean	2.56	2.45	2.27	2.64	2.29	2.45	Occasionally	5081	35	2025	38	3612	37	1144	34	1173	37	13035	36	
	Std Dev	1.02	1.00	1.02	1.01	1.01	1.03	Often	3694	25	1283	24	1969	20	879	26	675	22	8500	24	
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	3399	23	1023	19	1587	16	855	26	510	16	7374	20	
Sophomore	Valid N	6429	2201	5787	1421	1336	17174	Never	1011	16	408	19	1330	23	136	10	293	22	3178	19	
	Mean	2.60	2.44	2.28	2.77	2.32	2.47	Occasionally	2121	33	829	38	2314	40	478	34	540	40	6282	37	
	Std Dev	1.02	1.00	0.97	0.98	0.99	1.01	Often	1720	27	544	25	1316	23	379	27	283	21	4242	25	
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	1577	25	420	19	827	14	428	30	220	16	3472	20	
Junior	Valid N	4844	2141	4878	1105	1805	14773	Never	832	17	381	18	1207	25	130	12	397	22	2947	20	
	Mean	2.55	2.43	2.24	2.66	2.33	2.41	Occasionally	1667	34	864	40	1989	41	412	37	692	38	5624	38	
	Std Dev	1.03	0.99	0.98	1.00	0.99	1.01	Often	1209	25	492	23	1005	21	266	24	435	24	3407	23	
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	1136	23	404	19	677	14	297	27	281	16	2795	19	
Senior	Valid N	5826	1881	7074	1821	1652	18254	Never	987	17	339	18	1358	19	151	8	350	21	3185	17	
	Mean	2.50	2.44	2.34	2.73	2.31	2.44	Occasionally	2183	37	728	39	3028	43	671	37	693	42	7303	40	
	Std Dev	1.01	0.99	0.96	0.94	0.97	0.98	Often	1412	24	468	25	1594	23	520	29	360	22	4354	24	
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1244	21	346	18	1094	15	479	26	249	15	3412	19	
Table Total	Valid N	31662	11509	27442	7682	7928	86223	Never	5219	16	2083	18	6430	23	874	11	1817	23	16423	19	
	Mean	2.55	2.44	2.29	2.69	2.31	2.44	Occasionally	11052	35	4446	39	10943	40	2705	35	3098	39	32244	37	
	Std Dev	1.02	0.99	0.99	0.99	1.00	1.01	Often	8035	25	2787	24	5884	21	2044	27	1753	22	20503	24	
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	7356	23	2193	19	4185	15	2059	27	1260	16	17053	20	

**Discussions: students of diff. country (stacq10)**

First-Year	Valid N	14553	5284	9695	3336	3133	36001	Never	4548	31	1903	36	4018	41	833	25	1226	39	12528	35
	Mean	2.17	2.06	1.94	2.33	1.99	2.09	Occasionally	5285	36	1867	35	3312	34	1202	36	1081	35	12747	35
	Std Dev	1.04	1.02	0.99	1.05	1.00	1.03	Often	2455	17	833	16	1316	14	654	20	472	15	5730	16
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	2265	16	681	13	1049	11	647	19	354	11	4996	14
Sophomore	Valid N	6432	2199	5785	1423	1332	17171	Never	1665	26	800	36	2285	39	246	17	425	32	5421	32
	Mean	2.30	2.02	1.94	2.46	2.10	2.14	Occasionally	2364	37	813	37	2095	36	599	42	526	39	6397	37
	Std Dev	1.04	0.99	0.96	1.02	1.00	1.02	Often	1232	19	324	15	869	15	262	18	198	15	2885	17
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	1171	18	262	12	536	9	316	22	183	14	2468	14
Junior	Valid N	4842	2136	4871	1106	1805	14760	Never	1250	26	727	34	1924	39	228	21	595	33	4724	32
	Mean	2.29	2.04	1.93	2.41	2.09	2.12	Occasionally	1821	38	842	39	1837	38	424	38	660	37	5584	38
	Std Dev	1.04	0.98	0.95	1.03	0.99	1.01	Often	907	19	317	15	635	13	231	21	337	19	2427	16
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	864	18	250	12	475	10	223	20	213	12	2025	14
Senior	Valid N	5819	1884	7072	1818	1645	18238	Never	1529	26	570	30	2263	32	274	15	548	33	5184	28
	Mean	2.24	2.12	2.07	2.48	2.06	2.17	Occasionally	2324	40	767	41	2867	41	763	42	645	39	7366	40
	Std Dev	1.02	0.98	0.97	0.98	0.98	1.00	Often	1017	17	302	16	1128	16	413	23	260	16	3120	17
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	949	16	245	13	814	12	368	20	192	12	2568	14
Table Total	Valid N	31646	11503	27423	7683	7915	86170	Never	8992	28	4000	35	10490	38	1581	21	2794	35	27857	32
	Mean	2.22	2.06	1.97	2.40	2.05	2.12	Occasionally	11794	37	4289	37	10111	37	2988	39	2912	37	32094	37
	Std Dev	1.04	1.00	0.97	1.03	0.99	1.02	Often	5611	18	1776	15	3948	14	1560	20	1267	16	14162	16
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	5249	17	1438	13	2874	10	1554	20	942	12	12057	14

**Memorized formulas/definitions/concepts (sci1)**

First-Year	Valid N	14577	5288	9707	3334	3137	36043	Never	672	5	476	9	840	9	302	9	337	11	2627	7
	Mean	3.16	2.89	2.92	2.91	2.87	3.01	Occasionally	2860	20	1403	27	2494	26	881	26	817	26	8455	23
	Std Dev	0.90	0.97	0.97	0.98	1.01	0.96	Often	4499	31	1646	31	3018	31	978	29	891	28	11032	31
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	6546	45	1763	33	3355	35	1173	35	1092	35	13929	39
Sophomore	Valid N	6442	2202	5789	1423	1336	17192	Never	290	5	121	5	312	5	93	7	98	7	914	5
	Mean	3.21	3.06	3.06	2.93	3.02	3.10	Occasionally	1291	20	511	23	1355	23	433	30	303	23	3893	23
	Std Dev	0.91	0.92	0.92	0.96	0.96	0.93	Often	1662	26	679	31	1796	31	376	26	409	31	4922	29
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	3199	50	891	40	2326	40	521	37	526	39	7463	43
Junior	Valid N	4857	2137	4878	1105	1806	14783	Never	280	6	143	7	315	6	95	9	150	8	983	7
	Mean	3.14	3.02	3.00	2.85	2.93	3.03	Occasionally	1040	21	536	25	1234	25	365	33	458	25	3633	25
	Std Dev	0.95	0.96	0.94	1.00	0.96	0.96	Often	1256	26	600	28	1476	30	260	24	568	31	4160	28
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	2281	47	858	40	1853	38	385	35	630	35	6007	41
Senior	Valid N	5829	1882	7074	1817	1655	18257	Never	367	6	133	7	460	7	170	9	116	7	1246	7
	Mean	3.06	2.99	2.98	2.79	2.89	2.98	Occasionally	1407	24	489	26	1827	26	628	35	487	29	4838	26
	Std Dev	0.96	0.97	0.94	1.00	0.94	0.96	Often	1542	26	522	28	2154	30	426	23	516	31	5160	28
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	2513	43	738	39	2633	37	593	33	536	32	7013	38
Table Total	Valid N	31705	11509	27448	7679	7934	86275	Never	1609	5	873	8	1927	7	660	9	701	9	5770	7
	Mean	3.15	2.96	2.98	2.88	2.91	3.02	Occasionally	6598	21	2939	26	6910	25	2307	30	2065	26	20819	24
	Std Dev	0.92	0.96	0.95	0.99	0.98	0.95	Often	8959	28	3447	30	8444	31	2040	27	2384	30	25274	29
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	14539	46	4250	37	10167	37	2672	35	2784	35	34412	40

**Table 4-7. Individual Items**

		DRU		MA I &		Table		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Expressed relationships using math terms (sci2)</b>																				
First-Year	Valid N	14560	5289	9694	3332	3130	36005	Never	1858	13	1089	21	2035	21	683	20	734	23	6399	18
	Mean	2.82	2.49	2.47	2.55	2.47	2.62	Occasionally	3866	27	1671	32	3133	32	1000	30	917	29	10587	29
	Std Dev	1.04	1.05	1.05	1.08	1.08	1.06	Often	3946	27	1380	26	2425	25	790	24	768	25	9309	26
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	4890	34	1149	22	2101	22	859	26	711	23	9710	27
Sophomore	Valid N	6435	2199	5786	1420	1332	17172	Never	823	13	334	15	859	15	262	18	234	18	2512	15
	Mean	2.83	2.59	2.63	2.61	2.61	2.70	Occasionally	1776	28	762	35	1912	33	456	32	403	30	5309	31
	Std Dev	1.06	1.01	1.02	1.10	1.06	1.05	Often	1504	23	584	27	1536	27	279	20	343	26	4246	25
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	2332	36	519	24	1479	26	423	30	352	26	5105	30
Junior	Valid N	4849	2138	4870	1104	1800	14761	Never	719	15	403	19	868	18	209	19	361	20	2560	17
	Mean	2.75	2.53	2.52	2.53	2.50	2.60	Occasionally	1402	29	737	34	1710	35	397	36	608	34	4854	33
	Std Dev	1.07	1.06	1.03	1.08	1.06	1.06	Often	1103	23	460	22	1168	24	206	19	408	23	3345	23
	S.E.M.	0.02	0.02	0.01	0.03	0.02	0.01	Very often	1625	34	538	25	1124	23	292	26	423	24	4002	27
Senior	Valid N	5829	1883	7072	1813	1651	18248	Never	964	17	293	16	1161	16	347	19	304	18	3069	17
	Mean	2.66	2.57	2.54	2.50	2.48	2.57	Occasionally	1851	32	655	35	2563	36	668	37	611	37	6348	35
	Std Dev	1.09	1.01	1.02	1.06	1.03	1.05	Often	1197	21	496	26	1739	25	346	19	370	22	4148	23
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	1817	31	439	23	1609	23	452	25	366	22	4683	26
Table Total	Valid N	31673	11509	27422	7669	7913	86186	Never	4364	14	2119	18	4923	18	1501	20	1633	21	14540	17
	Mean	2.78	2.53	2.53	2.54	2.50	2.62	Occasionally	8895	28	3825	33	9318	34	2521	33	2539	32	27098	31
	Std Dev	1.06	1.04	1.03	1.08	1.06	1.06	Often	7750	24	2920	25	6868	25	1621	21	1889	24	21048	24
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	10664	34	2645	23	6313	23	2026	26	1852	23	23500	27

**Explained scientific concept to others (sci3)**

First-Year	Valid N	14568	5289	9704	3333	3138	36032	Never	2189	15	1196	23	2155	22	663	20	771	25	6974	19
	Mean	2.61	2.33	2.34	2.45	2.32	2.46	Occasionally	4912	34	1974	37	3637	37	1182	35	1111	35	12816	36
	Std Dev	1.01	1.00	0.99	1.03	1.03	1.02	Often	3907	27	1284	24	2382	25	798	24	722	23	9093	25
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	3560	24	835	16	1530	16	690	21	534	17	7149	20
Sophomore	Valid N	6438	2202	5792	1420	1336	17188	Never	901	14	416	19	1012	17	270	19	275	21	2874	17
	Mean	2.69	2.43	2.47	2.51	2.43	2.55	Occasionally	2055	32	828	38	2168	37	499	35	485	36	6035	35
	Std Dev	1.04	1.00	1.00	1.06	1.03	1.03	Often	1610	25	549	25	1467	25	304	21	303	23	4233	25
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	1872	29	409	19	1145	20	347	24	273	20	4046	24
Junior	Valid N	4852	2138	4872	1106	1806	14774	Never	819	17	463	22	1054	22	216	20	373	21	2925	20
	Mean	2.62	2.41	2.36	2.49	2.43	2.47	Occasionally	1546	32	772	36	1839	38	390	35	636	35	5183	35
	Std Dev	1.06	1.04	1.00	1.05	1.03	1.04	Often	1137	23	473	22	1141	23	241	22	438	24	3430	23
	S.E.M.	0.02	0.02	0.01	0.03	0.02	0.01	Very often	1350	28	430	20	838	17	259	23	359	20	3236	22
Senior	Valid N	5824	1884	7075	1815	1652	18250	Never	1074	18	359	19	1396	20	364	20	325	20	3518	19
	Mean	2.57	2.44	2.41	2.46	2.40	2.47	Occasionally	1923	33	719	38	2698	38	662	36	646	39	6648	36
	Std Dev	1.07	1.02	1.01	1.05	1.00	1.03	Often	1283	22	423	22	1650	23	371	20	380	23	4107	23
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1544	27	383	20	1331	19	418	23	301	18	3977	22
Table Total	Valid N	31682	11513	27443	7674	7932	86244	Never	4983	16	2434	21	5617	20	1513	20	1744	22	16291	19
	Mean	2.62	2.38	2.39	2.47	2.38	2.48	Occasionally	10436	33	4293	37	10342	38	2733	36	2878	36	30682	36
	Std Dev	1.04	1.01	1.00	1.04	1.02	1.03	Often	7937	25	2729	24	6640	24	1714	22	1843	23	20863	24
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	8326	26	2057	18	4844	18	1714	22	1467	18	18408	21

**Read articles about science not assigned (sci4)**

First-Year	Valid N	14566	5290	9698	3330	3133	36017	Never	6886	47	2663	50	5039	52	1579	47	1566	50	17733	49
	Mean	1.84	1.75	1.73	1.85	1.77	1.79	Occasionally	4494	31	1623	31	2931	30	1000	30	963	31	11011	31
	Std Dev	0.98	0.92	0.91	0.98	0.94	0.95	Often	1746	12	642	12	1071	11	428	13	354	11	4241	12
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	1440	10	362	7	657	7	323	10	250	8	3032	8
Sophomore	Valid N	6440	2202	5789	1421	1336	17188	Never	2690	42	1054	48	2671	46	643	45	604	45	7662	45
	Mean	2.00	1.81	1.84	1.87	1.83	1.90	Occasionally	1985	31	708	32	1894	33	474	33	457	34	5518	32
	Std Dev	1.06	0.94	0.96	0.99	0.93	1.00	Often	843	13	255	12	684	12	144	10	167	13	2093	12
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	922	14	185	8	540	9	160	11	108	8	1915	11
Junior	Valid N	4853	2136	4867	1106	1806	14768	Never	2011	41	1004	47	2394	49	485	44	772	43	6666	45
	Mean	2.00	1.85	1.79	1.96	1.91	1.90	Occasionally	1534	32	663	31	1521	31	341	31	611	34	4670	32
	Std Dev	1.06	0.99	0.94	1.06	0.98	1.01	Often	585	12	246	12	550	11	123	11	236	13	1740	12
	S.E.M.	0.02	0.02	0.01	0.03	0.02	0.01	Very often	723	15	223	10	402	8	157	14	187	10	1692	11
Senior	Valid N	5822	1883	7069	1815	1652	18241	Never	2451	42	788	42	3082	44	733	40	652	39	7706	42
	Mean	2.02	1.95	1.92	2.04	1.96	1.97	Occasionally	1727	30	635	34	2289	32	571	31	583	35	5805	32
	Std Dev	1.08	1.01	1.00	1.08	0.98	1.04	Often	729	13	233	12	908	13	218	12	247	15	2335	13
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	915	16	227	12	790	11	293	16	170	10	2395	13
Table Total	Valid N	31681	11511	27423	7672	7927	86214	Never	14038	44	5509	48	13186	48	3440	45	3594	45	39767	46
	Mean	1.93	1.81	1.81	1.91	1.85	1.87	Occasionally	9740	31	3629	32	8635	31	2386	31	2614	33	27004	31
	Std Dev	1.03	0.95	0.95	1.02	0.96	0.99	Often	3903	12	1376	12	3213	12	913	12	1004	13	10409	12
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	4000	13	997	9	2389	9	933	12	715	9	9034	10

**Table 4-7. Individual Items**

		DRU		MA I &		Table		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib			BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq
<b>Completed an experiment w/sci. methods (sci5)</b>																				
First-Year	Valid N	14561	5284	9695	3331	3136	36007	Never	4046	28	1886	36	3594	37	1064	32	1138	36	11728	33
	Mean	2.34	2.08	2.05	2.24	2.10	2.20	Occasionally	4471	31	1775	34	3209	33	1006	30	996	32	11457	32
	Std Dev	1.09	1.03	1.02	1.09	1.05	1.07	Often	3020	21	927	18	1658	17	645	19	563	18	6813	19
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	3024	21	696	13	1234	13	616	18	439	14	6009	17
Sophomore	Valid N	6439	2200	5780	1420	1331	17170	Never	1560	24	635	29	1468	25	391	28	391	29	4445	26
	Mean	2.46	2.21	2.26	2.35	2.23	2.34	Occasionally	1968	31	822	37	2224	38	464	33	461	35	5939	35
	Std Dev	1.11	1.03	1.00	1.11	1.05	1.07	Often	1275	20	394	18	1199	21	237	17	257	19	3362	20
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	1636	25	349	16	889	15	328	23	222	17	3424	20
Junior	Valid N	4852	2137	4868	1106	1804	14767	Never	1339	28	621	29	1554	32	277	25	535	30	4326	29
	Mean	2.35	2.21	2.11	2.38	2.20	2.23	Occasionally	1554	32	799	37	1878	39	394	36	659	37	5284	36
	Std Dev	1.11	1.04	1.00	1.10	1.04	1.06	Often	880	18	366	17	801	16	178	16	318	18	2543	17
	S.E.M.	0.02	0.02	0.01	0.03	0.02	0.01	Very often	1079	22	351	16	635	13	257	23	292	16	2614	18
Senior	Valid N	5818	1882	7065	1814	1649	18228	Never	1566	27	514	27	1838	26	436	24	433	26	4787	26
	Mean	2.36	2.25	2.23	2.40	2.20	2.29	Occasionally	1942	33	702	37	2844	40	638	35	690	42	6816	37
	Std Dev	1.11	1.03	1.00	1.09	0.99	1.05	Often	982	17	355	19	1298	18	322	18	284	17	3241	18
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	1328	23	311	17	1085	15	418	23	242	15	3384	19
Table Total	Valid N	31670	11503	27408	7671	7920	86172	Never	8511	27	3656	32	8454	31	2168	28	2497	32	25286	29
	Mean	2.37	2.16	2.15	2.32	2.17	2.25	Occasionally	9935	31	4098	36	10155	37	2502	33	2806	35	29496	34
	Std Dev	1.10	1.03	1.01	1.10	1.03	1.06	Often	6157	19	2042	18	4956	18	1382	18	1422	18	15959	19
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	7067	22	1707	15	3843	14	1619	21	1195	15	15431	18

**Practiced using laboratory equipment (sci6)**

First-Year	Valid N	14563	5290	9692	3331	3134	36010	Never	6663	46	2703	51	4861	50	1578	47	1548	49	17353	48
	Mean	1.95	1.79	1.81	1.92	1.85	1.88	Occasionally	3908	27	1442	27	2665	27	877	26	824	26	9716	27
	Std Dev	1.06	0.97	0.98	1.05	1.00	1.02	Often	2112	15	698	13	1271	13	453	14	455	15	4989	14
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	1880	13	447	8	895	9	423	13	307	10	3952	11
Sophomore	Valid N	6439	2203	5784	1420	1336	17182	Never	2776	43	998	45	2369	41	759	53	584	44	7486	44
	Mean	2.07	1.88	1.97	1.80	1.91	1.98	Occasionally	1615	25	689	31	1908	33	353	25	418	31	4983	29
	Std Dev	1.13	0.99	1.01	1.04	0.99	1.06	Often	887	14	293	13	845	15	135	10	199	15	2359	14
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	1161	18	223	10	662	11	173	12	135	10	2354	14
Junior	Valid N	4853	2136	4870	1105	1804	14768	Never	2222	46	978	46	2284	47	572	52	829	46	6885	47
	Mean	1.99	1.88	1.84	1.87	1.90	1.90	Occasionally	1257	26	671	31	1536	32	262	24	530	29	4256	29
	Std Dev	1.11	0.99	0.98	1.08	1.01	1.04	Often	597	12	260	12	573	12	113	10	245	14	1788	12
	S.E.M.	0.02	0.02	0.01	0.03	0.02	0.01	Very often	777	16	227	11	477	10	158	14	200	11	1839	12
Senior	Valid N	5820	1879	7061	1813	1649	18222	Never	2737	47	813	43	3033	43	885	49	672	41	8140	45
	Mean	1.96	1.94	1.93	1.91	1.96	1.94	Occasionally	1471	25	590	31	2316	33	474	26	569	35	5420	30
	Std Dev	1.10	1.02	1.01	1.09	1.00	1.05	Often	699	12	252	13	894	13	184	10	215	13	2244	12
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	913	16	224	12	818	12	270	15	193	12	2418	13
Table Total	Valid N	31675	11508	27407	7669	7923	86182	Never	14398	45	5492	48	12547	46	3794	49	3633	46	39864	46
	Mean	1.98	1.85	1.88	1.89	1.89	1.91	Occasionally	8251	26	3392	29	8425	31	1966	26	2341	30	24375	28
	Std Dev	1.09	0.99	1.00	1.06	1.00	1.04	Often	4295	14	1503	13	3583	13	885	12	1114	14	11380	13
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	4731	15	1121	10	2852	10	1024	13	835	11	10563	12

**Showed someone how to use scientific equipment (sci7)**

First-Year	Valid N	14568	5290	9693	3333	3136	36020	Never	5986	41	2566	49	4672	48	1539	46	1444	46	16207	45
	Mean	1.95	1.80	1.81	1.87	1.86	1.88	Occasionally	4847	33	1627	31	2980	31	1022	31	955	30	11431	32
	Std Dev	0.99	0.94	0.95	0.99	0.97	0.97	Often	2168	15	698	13	1267	13	438	13	462	15	5033	14
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	1567	11	399	8	774	8	334	10	275	9	3349	9
Sophomore	Valid N	6437	2202	5782	1421	1334	17176	Never	2506	39	924	42	2215	38	770	54	567	43	6982	41
	Mean	2.04	1.89	1.98	1.74	1.92	1.97	Occasionally	2058	32	790	36	2079	36	379	27	437	33	5743	33
	Std Dev	1.05	0.95	0.97	0.98	0.98	1.00	Often	964	15	288	13	895	15	137	10	198	15	2482	14
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	909	14	200	9	593	10	135	10	132	10	1969	11
Junior	Valid N	4852	2139	4870	1106	1802	14769	Never	2111	44	989	46	2309	47	584	53	806	45	6799	46
	Mean	1.95	1.84	1.81	1.78	1.88	1.87	Occasionally	1513	31	703	33	1568	32	295	27	581	32	4660	32
	Std Dev	1.04	0.96	0.94	1.00	0.97	0.99	Often	588	12	256	12	602	12	114	10	246	14	1806	12
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	640	13	191	9	391	8	113	10	169	9	1504	10
Senior	Valid N	5824	1883	7065	1815	1650	18237	Never	2660	46	814	43	3065	43	906	50	683	41	8128	45
	Mean	1.92	1.90	1.89	1.86	1.92	1.90	Occasionally	1713	29	633	34	2411	34	483	27	579	35	5819	32
	Std Dev	1.05	0.98	0.97	1.04	0.97	1.00	Often	687	12	246	13	891	13	200	11	223	14	2247	12
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	764	13	190	10	698	10	226	12	165	10	2043	11
Table Total	Valid N	31681	11514	27410	7675	7922	86202	Never	13263	42	5293	46	12261	45	3799	49	3500	44	38116	44
	Mean	1.97	1.84	1.87	1.83	1.89	1.90	Occasionally	10131	32	3753	33	9038	33	2179	28	2552	32	27653	32
	Std Dev	1.02	0.95	0.96	1.00	0.97	0.99	Often	4407	14	1488	13	3655	13	889	12	1129	14	11568	13
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	3880	12	980	9	2456	9	808	11	741	9	8865	10

**Table 4-7. Individual Items**

		DRU		MA I &		Table		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Explained experimental procedure (sci8)</b>																				
First-Year	Valid N	14541	5281	9681	3332	3134	35969	Never	4844	33	2198	42	4016	41	1264	38	1302	42	13624	38
	Mean	2.09	1.89	1.90	1.99	1.92	1.99	Occasionally	5340	37	1885	36	3418	35	1176	35	1062	34	12881	36
	Std Dev	1.00	0.94	0.94	0.98	0.96	0.97	Often	2576	18	769	15	1430	15	539	16	493	16	5807	16
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	1781	12	429	8	817	8	353	11	277	9	3657	10
Sophomore	Valid N	6441	2198	5776	1419	1331	17165	Never	1965	31	741	34	1857	32	577	41	484	36	5624	33
	Mean	2.19	1.99	2.06	1.93	2.00	2.08	Occasionally	2319	36	934	42	2337	40	513	36	494	37	6597	38
	Std Dev	1.04	0.92	0.95	0.98	0.97	0.99	Often	1134	18	327	15	978	17	176	12	219	16	2834	17
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	1023	16	196	9	604	10	153	11	134	10	2110	12
Junior	Valid N	4849	2136	4866	1103	1801	14755	Never	1678	35	796	37	1923	40	412	37	684	38	5493	37
	Mean	2.10	1.96	1.91	2.02	1.97	1.99	Occasionally	1726	36	836	39	1872	38	398	36	665	37	5497	37
	Std Dev	1.03	0.95	0.93	1.01	0.97	0.98	Often	747	15	297	14	646	13	155	14	268	15	2113	14
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	698	14	207	10	425	9	138	13	184	10	1652	11
Senior	Valid N	5812	1881	7058	1811	1647	18209	Never	2109	36	659	35	2514	36	689	38	594	36	6565	36
	Mean	2.07	2.00	1.99	2.03	1.97	2.02	Occasionally	2039	35	759	40	2838	40	627	35	663	40	6926	38
	Std Dev	1.04	0.95	0.95	1.04	0.94	0.99	Often	820	14	269	14	1002	14	239	13	233	14	2563	14
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	844	15	194	10	704	10	256	14	157	10	2155	12
Table Total	Valid N	31643	11496	27381	7665	7913	86098	Never	10596	33	4394	38	10310	38	2942	38	3064	39	31306	36
	Mean	2.11	1.94	1.96	2.00	1.96	2.01	Occasionally	11424	36	4414	38	10465	38	2714	35	2884	36	31901	37
	Std Dev	1.02	0.94	0.95	1.00	0.96	0.98	Often	5277	17	1662	14	4056	15	1109	14	1213	15	13317	15
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	4346	14	1026	9	2550	9	900	12	752	10	9574	11
<b>Compared sci. method with other methods (sci9)</b>																				
First-Year	Valid N	14544	5284	9690	3330	3136	35984	Never	6495	45	2595	49	4785	49	1484	45	1532	49	16891	47
	Mean	1.86	1.76	1.74	1.86	1.77	1.81	Occasionally	4885	34	1708	32	3203	33	1104	33	1013	32	11913	33
	Std Dev	0.96	0.90	0.89	0.95	0.91	0.93	Often	1867	13	640	12	1117	12	466	14	378	12	4468	12
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	1297	9	341	6	585	6	276	8	213	7	2712	8
Sophomore	Valid N	6439	2201	5777	1418	1334	17169	Never	2668	41	968	44	2386	41	637	45	576	43	7235	42
	Mean	1.97	1.81	1.87	1.84	1.85	1.90	Occasionally	2111	33	829	38	2181	38	506	36	480	36	6107	36
	Std Dev	1.02	0.89	0.91	0.95	0.92	0.96	Often	869	13	254	12	767	13	138	10	174	13	2202	13
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	791	12	150	7	443	8	137	10	104	8	1625	9
Junior	Valid N	4844	2134	4873	1105	1803	14759	Never	2059	43	911	43	2216	45	445	40	773	43	6404	43
	Mean	1.92	1.86	1.79	1.94	1.86	1.86	Occasionally	1645	34	780	37	1772	36	381	34	666	37	5244	36
	Std Dev	0.99	0.93	0.89	0.96	0.93	0.94	Often	605	12	272	13	567	12	178	16	212	12	1834	12
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	535	11	171	8	318	7	101	9	152	8	1277	9
Senior	Valid N	5808	1881	7060	1815	1651	18215	Never	2467	42	749	40	2925	41	700	39	668	40	7509	41
	Mean	1.92	1.92	1.87	2.01	1.87	1.90	Occasionally	1966	34	716	38	2696	38	640	35	651	39	6669	37
	Std Dev	1.00	0.94	0.92	1.02	0.89	0.95	Often	724	12	242	13	882	12	240	13	216	13	2304	13
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	651	11	174	9	557	8	235	13	116	7	1733	10
Table Total	Valid N	31635	11500	27400	7668	7924	86127	Never	13689	43	5223	45	12312	45	3266	43	3549	45	38039	44
	Mean	1.90	1.81	1.81	1.90	1.82	1.85	Occasionally	10607	34	4033	35	9852	36	2631	34	2810	35	29933	35
	Std Dev	0.98	0.91	0.90	0.97	0.91	0.94	Often	4065	13	1408	12	3333	12	1022	13	980	12	10808	13
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	3274	10	836	7	1903	7	749	10	585	7	7347	9
<b>Explained scientific basis for concerns (sci10)</b>																				
First-Year	Valid N	14536	5274	9678	3329	3131	35948	Never	5392	37	2311	44	4388	45	1209	36	1459	47	14759	41
	Mean	2.00	1.85	1.80	2.02	1.80	1.91	Occasionally	5357	37	1858	35	3462	36	1215	36	1056	34	12948	36
	Std Dev	0.98	0.92	0.89	0.99	0.92	0.95	Often	2219	15	708	13	1205	12	520	16	392	13	5044	14
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	1568	11	397	8	623	6	385	12	224	7	3197	9
Sophomore	Valid N	6435	2200	5768	1422	1332	17157	Never	2100	33	820	37	2127	37	442	31	527	40	6016	35
	Mean	2.13	1.96	1.97	2.14	1.90	2.04	Occasionally	2315	36	848	39	2232	39	535	38	518	39	6448	38
	Std Dev	1.03	0.94	0.94	1.01	0.92	0.98	Often	1078	17	332	15	887	15	253	18	176	13	2726	16
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very often	942	15	200	9	522	9	192	14	111	8	1967	11
Junior	Valid N	4849	2134	4867	1105	1804	14759	Never	1649	34	772	36	1890	39	344	31	695	39	5350	36
	Mean	2.08	1.99	1.93	2.13	1.91	2.00	Occasionally	1817	37	828	39	1880	39	435	39	721	40	5681	38
	Std Dev	1.01	0.95	0.94	1.01	0.92	0.97	Often	734	15	327	15	660	14	169	15	239	13	2129	14
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	649	13	207	10	437	9	157	14	149	8	1599	11
Senior	Valid N	5813	1876	7058	1809	1648	18204	Never	1930	33	637	34	2481	35	545	30	571	35	6164	34
	Mean	2.11	2.05	2.00	2.17	1.95	2.05	Occasionally	2116	36	738	39	2793	40	677	37	707	43	7031	39
	Std Dev	1.02	0.99	0.95	1.02	0.89	0.98	Often	955	16	271	14	1084	15	325	18	244	15	2879	16
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	812	14	230	12	700	10	262	14	126	8	2130	12
Table Total	Valid N	31633	11484	27371	7665	7915	86068	Never	11071	35	4540	40	10886	40	2540	33	3252	41	32289	38
	Mean	2.06	1.93	1.91	2.09	1.88	1.98	Occasionally	11605	37	4272	37	10367	38	2862	37	3002	38	32108	37
	Std Dev	1.00	0.94	0.93	1.00	0.91	0.97	Often	4986	16	1638	14	3836	14	1267	17	1051	13	12778	15
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	3971	13	1034	9	2282	8	996	13	610	8	8893	10

Table 4-7. Individual Items

Table with 20 columns: DRU Ext, DRU Int, MA I & II, BA Lib, BA Gen, Table Total, DRU Ext Freq, DRU Ext Col %, DRU Int Freq, DRU Int Col %, MA I & II Freq, MA I & II Col %, BA Lib Freq, BA Lib Col %, BA Gen Freq, BA Gen Col %, Total Freq, Total Col %. Rows include demographic groups (First-Year, Sophomore, Junior, Senior) and a Table Total, with sub-rows for Valid N, Mean, Std Dev, and S.E.M., and response categories (Never, Occasionally, Often, Very often).

Topic: Social issues, e.g., peace, justice (contps2)

Table with 20 columns: DRU Ext, DRU Int, MA I & II, BA Lib, BA Gen, Table Total, DRU Ext Freq, DRU Ext Col %, DRU Int Freq, DRU Int Col %, MA I & II Freq, MA I & II Col %, BA Lib Freq, BA Lib Col %, BA Gen Freq, BA Gen Col %, Total Freq, Total Col %. Rows include demographic groups (First-Year, Sophomore, Junior, Senior) and a Table Total, with sub-rows for Valid N, Mean, Std Dev, and S.E.M., and response categories (Never, Occasionally, Often, Very often).

Topic: Different lifestyles, customs, etc. (contps3)

Table with 20 columns: DRU Ext, DRU Int, MA I & II, BA Lib, BA Gen, Table Total, DRU Ext Freq, DRU Ext Col %, DRU Int Freq, DRU Int Col %, MA I & II Freq, MA I & II Col %, BA Lib Freq, BA Lib Col %, BA Gen Freq, BA Gen Col %, Total Freq, Total Col %. Rows include demographic groups (First-Year, Sophomore, Junior, Senior) and a Table Total, with sub-rows for Valid N, Mean, Std Dev, and S.E.M., and response categories (Never, Occasionally, Often, Very often).



**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Topic: Ideas of writers, philosophers, etc. (contps4)</b>																				
First-Year	Valid N	14534	5283	9700	3345	3133	35995	Never	2891	20	1236	23	2767	29	474	14	824	26	8192	23
	Mean	2.28	2.18	2.06	2.43	2.11	2.21	Occasionally	6550	45	2412	46	4377	45	1476	44	1428	46	16243	45
	Std Dev	0.92	0.91	0.90	0.91	0.90	0.92	Often	3282	23	1062	20	1724	18	880	26	592	19	7540	21
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	1811	12	573	11	832	9	515	15	289	9	4020	11
Sophomore	Valid N	6431	2196	5781	1418	1334	17160	Never	975	15	397	18	1269	22	129	9	342	26	3112	18
	Mean	2.38	2.31	2.16	2.60	2.13	2.30	Occasionally	2941	46	998	45	2818	49	577	41	605	45	7939	46
	Std Dev	0.90	0.91	0.86	0.89	0.91	0.90	Often	1618	25	521	24	1192	21	445	31	254	19	4030	23
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	897	14	280	13	502	9	267	19	133	10	2079	12
Junior	Valid N	4842	2139	4864	1106	1806	14757	Never	822	17	375	18	1154	24	94	8	393	22	2838	19
	Mean	2.36	2.29	2.17	2.65	2.20	2.29	Occasionally	2184	45	1022	48	2226	46	442	40	851	47	6725	46
	Std Dev	0.94	0.90	0.90	0.92	0.90	0.92	Often	1088	22	478	22	1003	21	327	30	368	20	3264	22
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	748	15	264	12	481	10	243	22	194	11	1930	13
Senior	Valid N	5815	1889	7069	1821	1653	18247	Never	952	16	339	18	1275	18	125	7	309	19	3000	16
	Mean	2.37	2.33	2.30	2.65	2.26	2.36	Occasionally	2650	46	864	46	3279	46	751	41	804	49	8348	46
	Std Dev	0.93	0.93	0.91	0.88	0.90	0.92	Often	1350	23	418	22	1618	23	580	32	338	20	4304	24
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	863	15	268	14	897	13	365	20	202	12	2595	14
<b>Table Total</b>	<b>Valid N</b>	<b>31622</b>	<b>11507</b>	<b>27414</b>	<b>7690</b>	<b>7926</b>	<b>86159</b>	<b>Never</b>	<b>5640</b>	<b>18</b>	<b>2347</b>	<b>20</b>	<b>6465</b>	<b>24</b>	<b>822</b>	<b>11</b>	<b>1868</b>	<b>24</b>	<b>17142</b>	<b>20</b>
	<b>Mean</b>	<b>2.33</b>	<b>2.25</b>	<b>2.16</b>	<b>2.54</b>	<b>2.17</b>	<b>2.27</b>	<b>Occasionally</b>	<b>14325</b>	<b>45</b>	<b>5296</b>	<b>46</b>	<b>12700</b>	<b>46</b>	<b>3246</b>	<b>42</b>	<b>3688</b>	<b>47</b>	<b>39255</b>	<b>46</b>
	<b>Std Dev</b>	<b>0.92</b>	<b>0.92</b>	<b>0.90</b>	<b>0.91</b>	<b>0.90</b>	<b>0.92</b>	<b>Often</b>	<b>7338</b>	<b>23</b>	<b>2479</b>	<b>22</b>	<b>5537</b>	<b>20</b>	<b>2232</b>	<b>29</b>	<b>1552</b>	<b>20</b>	<b>19138</b>	<b>22</b>
	<b>S.E.M.</b>	<b>0.01</b>	<b>0.01</b>	<b>0.01</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>Very often</b>	<b>4319</b>	<b>14</b>	<b>1385</b>	<b>12</b>	<b>2712</b>	<b>10</b>	<b>1390</b>	<b>18</b>	<b>818</b>	<b>10</b>	<b>10624</b>	<b>12</b>

**Topic: The arts, e.g., painting, poetry, etc. (contps5)**

First-Year	Valid N	14538	5291	9704	3346	3133	36012	Never	2255	16	1080	20	2227	23	405	12	809	26	6776	19
	Mean	2.45	2.34	2.28	2.57	2.21	2.38	Occasionally	6010	41	2144	41	3939	41	1346	40	1272	41	14711	41
	Std Dev	0.96	0.97	0.97	0.96	0.97	0.97	Often	3697	25	1245	24	2153	22	882	26	652	21	8629	24
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very often	2576	18	822	16	1385	14	713	21	400	13	5896	16
Sophomore	Valid N	6433	2195	5787	1419	1335	17169	Never	845	13	317	14	1019	18	78	5	323	24	2582	15
	Mean	2.51	2.49	2.35	2.82	2.19	2.46	Occasionally	2662	41	904	41	2571	44	497	35	596	45	7230	42
	Std Dev	0.95	0.95	0.94	0.91	0.93	0.95	Often	1701	26	566	26	1339	23	443	31	258	19	4307	25
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very often	1225	19	408	19	858	15	401	28	158	12	3050	18
Junior	Valid N	4836	2138	4870	1108	1807	14759	Never	653	14	305	14	1014	21	75	7	372	21	2419	16
	Mean	2.52	2.46	2.29	2.76	2.27	2.42	Occasionally	1998	41	900	42	2107	43	415	37	787	44	6207	42
	Std Dev	0.97	0.93	0.94	0.93	0.92	0.96	Often	1180	24	570	27	1091	22	315	28	434	24	3590	24
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	1005	21	363	17	658	14	303	27	214	12	2543	17
Senior	Valid N	5816	1887	7074	1821	1651	18249	Never	767	13	327	17	1309	19	140	8	323	20	2866	16
	Mean	2.50	2.38	2.38	2.71	2.26	2.44	Occasionally	2508	43	844	45	2950	42	702	39	774	47	7778	43
	Std Dev	0.95	0.96	0.97	0.93	0.91	0.96	Often	1429	25	394	21	1637	23	523	29	352	21	4335	24
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1112	19	322	17	1178	17	456	25	202	12	3270	18
<b>Table Total</b>	<b>Valid N</b>	<b>31623</b>	<b>11511</b>	<b>27435</b>	<b>7694</b>	<b>7926</b>	<b>86189</b>	<b>Never</b>	<b>4520</b>	<b>14</b>	<b>2029</b>	<b>18</b>	<b>5569</b>	<b>20</b>	<b>698</b>	<b>9</b>	<b>1827</b>	<b>23</b>	<b>14643</b>	<b>17</b>
	<b>Mean</b>	<b>2.48</b>	<b>2.40</b>	<b>2.32</b>	<b>2.68</b>	<b>2.23</b>	<b>2.41</b>	<b>Occasionally</b>	<b>13178</b>	<b>42</b>	<b>4792</b>	<b>42</b>	<b>11567</b>	<b>42</b>	<b>2960</b>	<b>38</b>	<b>3429</b>	<b>43</b>	<b>35926</b>	<b>42</b>
	<b>Std Dev</b>	<b>0.95</b>	<b>0.96</b>	<b>0.96</b>	<b>0.94</b>	<b>0.94</b>	<b>0.96</b>	<b>Often</b>	<b>8007</b>	<b>25</b>	<b>2775</b>	<b>24</b>	<b>6220</b>	<b>23</b>	<b>2163</b>	<b>28</b>	<b>1696</b>	<b>21</b>	<b>20861</b>	<b>24</b>
	<b>S.E.M.</b>	<b>0.01</b>	<b>0.01</b>	<b>0.01</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>Very often</b>	<b>5918</b>	<b>19</b>	<b>1915</b>	<b>17</b>	<b>4079</b>	<b>15</b>	<b>1873</b>	<b>24</b>	<b>974</b>	<b>12</b>	<b>14759</b>	<b>17</b>

**Topic: Science, e.g., theories, experiments, etc. (contps6)**

First-Year	Valid N	14537	5079	9680	3347	3131	35774	Never	4355	30	1984	39	4027	42	1024	31	1300	42	12690	35
	Mean	2.06	1.87	1.81	2.03	1.83	1.94	Occasionally	6255	43	2070	41	3938	41	1481	44	1235	39	14979	42
	Std Dev	0.91	0.88	0.84	0.90	0.86	0.89	Often	2644	18	701	14	1216	13	562	17	423	14	5546	16
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	1283	9	324	6	499	5	280	8	173	6	2559	7
Sophomore	Valid N	6427	2193	5772	1420	1332	17144	Never	1485	23	715	33	2072	36	353	25	467	35	5092	30
	Mean	2.25	1.96	1.93	2.17	1.96	2.07	Occasionally	2710	42	1001	46	2413	42	630	44	551	41	7305	43
	Std Dev	0.95	0.86	0.88	0.93	0.90	0.92	Often	1398	22	335	15	906	16	275	19	214	16	3128	18
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	834	13	142	6	381	7	162	11	100	8	1619	9
Junior	Valid N	4839	2138	4852	1107	1802	14738	Never	1229	25	661	31	1772	37	237	21	586	33	4485	30
	Mean	2.20	2.01	1.92	2.24	1.99	2.06	Occasionally	2023	42	951	44	2033	42	506	46	797	44	6310	43
	Std Dev	0.96	0.89	0.89	0.92	0.89	0.93	Often	962	20	360	17	703	14	229	21	277	15	2531	17
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	625	13	166	8	344	7	135	12	142	8	1412	10
Senior	Valid N	5820	1887	7063	1817	1647	18234	Never	1479	25	503	27	2342	33	411	23	481	29	5216	29
	Mean	2.22	2.14	2.01	2.21	2.06	2.11	Occasionally	2366	41	838	44	2973	42	829	46	727	44	7733	42
	Std Dev	0.97	0.94	0.93	0.93	0.90	0.95	Often	1200	21	329	17	1093	15	357	20	300	18	3279	18
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	775	13	217	11	655	9	220	12	139	8	2006	11
<b>Table Total</b>	<b>Valid N</b>	<b>31623</b>	<b>11297</b>	<b>27367</b>	<b>7691</b>	<b>7912</b>	<b>85890</b>	<b>Never</b>	<b>8548</b>	<b>27</b>	<b>3863</b>	<b>34</b>	<b>10213</b>	<b>37</b>	<b>2025</b>	<b>26</b>	<b>2834</b>	<b>36</b>	<b>27483</b>	<b>32</b>
	<b>Mean</b>	<b>2.15</b>	<b>1.96</b>	<b>1.91</b>	<b>2.13</b>	<b>1.94</b>	<b>2.03</b>	<b>Occasionally</b>	<b>13354</b>	<b>42</b>	<b>4860</b>	<b>43</b>	<b>11357</b>							

**Table 4-7. Individual Items**

		DRU		MA I &		Table			DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total			Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Topic: Computers and other technologies (contps7)</b>																					
First-Year	Valid N	14529	5275	9682	3343	3128	35957	Never	1683	12	756	14	1630	17	528	16	423	14	5020	14	
	Mean	2.46	2.39	2.28	2.29	2.38	2.38	Occasionally	6661	46	2400	45	4699	49	1689	51	1476	47	16925	47	
	Std Dev	0.88	0.89	0.86	0.86	0.86	0.88	Often	3996	28	1431	27	2372	24	752	22	853	27	9404	26	
	S.E.M.	0.01	0.01	0.01	0.01	0.02	0.00	Very often	2189	15	688	13	981	10	374	11	376	12	4608	13	
Sophomore	Valid N	6426	2191	5778	1420	1332	17147	Never	680	11	257	12	767	13	222	16	139	10	2065	12	
	Mean	2.54	2.42	2.37	2.28	2.55	2.45	Occasionally	2744	43	1057	48	2770	48	741	52	564	42	7876	46	
	Std Dev	0.90	0.87	0.86	0.86	0.91	0.89	Often	1853	29	578	26	1553	27	300	21	384	29	4668	27	
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1149	18	299	14	688	12	157	11	245	18	2538	15	
Junior	Valid N	4838	2136	4865	1103	1806	14748	Never	457	9	237	11	583	12	140	13	172	10	1589	11	
	Mean	2.57	2.46	2.42	2.37	2.53	2.49	Occasionally	2107	44	982	46	2301	47	562	51	796	44	6748	46	
	Std Dev	0.91	0.87	0.86	0.86	0.87	0.88	Often	1310	27	613	29	1342	28	259	23	547	30	4071	28	
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	964	20	304	14	639	13	142	13	291	16	2340	16	
Senior	Valid N	5821	1888	7061	1818	1652	18240	Never	430	7	143	8	769	11	239	13	109	7	1690	9	
	Mean	2.65	2.58	2.51	2.36	2.68	2.56	Occasionally	2422	42	854	45	3117	44	913	50	640	39	7946	44	
	Std Dev	0.90	0.88	0.90	0.86	0.87	0.89	Often	1696	29	541	29	1984	28	447	25	566	34	5234	29	
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1273	22	350	19	1191	17	219	12	337	20	3370	18	
Table Total	Valid N	31614	11490	27386	7684	7918	86092	Never	3250	10	1393	12	3749	14	1129	15	843	11	10364	12	
	Mean	2.53	2.44	2.38	2.31	2.51	2.45	Occasionally	13934	44	5293	46	12887	47	3905	51	3476	44	39495	46	
	Std Dev	0.90	0.88	0.88	0.86	0.88	0.89	Often	8855	28	3163	28	7251	26	1758	23	2350	30	23377	27	
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	5575	18	1641	14	3499	13	892	12	1249	16	12856	15	

**Topic: Social/ethical issues re: science (contps8)**

First-Year	Valid N	14536	5281	9701	3346	3130	35994	Never	2792	19	1261	24	2652	27	554	17	792	25	8051	22
	Mean	2.25	2.16	2.06	2.35	2.09	2.18	Occasionally	6882	47	2443	46	4623	48	1517	45	1534	49	16999	47
	Std Dev	0.89	0.90	0.87	0.91	0.87	0.89	Often	3272	23	1045	20	1644	17	836	25	538	17	7335	20
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	1590	11	532	10	782	8	439	13	266	8	3609	10
Sophomore	Valid N	6434	2195	5784	1418	1335	17166	Never	939	15	367	17	1129	20	149	11	297	22	2881	17
	Mean	2.39	2.29	2.22	2.50	2.15	2.31	Occasionally	2904	45	1082	49	2786	48	646	46	658	49	8076	47
	Std Dev	0.90	0.88	0.87	0.89	0.87	0.89	Often	1703	26	490	22	1312	23	388	27	258	19	4151	24
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	888	14	256	12	557	10	235	17	122	9	2058	12
Junior	Valid N	4836	2139	4868	1108	1806	14757	Never	683	14	348	16	860	18	118	11	316	17	2325	16
	Mean	2.42	2.31	2.28	2.55	2.27	2.35	Occasionally	2194	45	1028	48	2347	48	469	42	869	48	6907	47
	Std Dev	0.91	0.88	0.89	0.91	0.87	0.90	Often	1213	25	520	24	1099	23	313	28	431	24	3576	24
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	746	15	243	11	562	12	208	19	190	11	1949	13
Senior	Valid N	5815	1888	7070	1821	1655	18249	Never	726	12	246	13	1023	14	131	7	206	12	2332	13
	Mean	2.47	2.44	2.42	2.64	2.38	2.45	Occasionally	2564	44	871	46	3130	44	757	42	823	50	8145	45
	Std Dev	0.90	0.91	0.91	0.88	0.86	0.90	Often	1613	28	462	24	1855	26	568	31	411	25	4909	27
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	912	16	309	16	1062	15	365	20	215	13	2863	16
Table Total	Valid N	31621	11503	27423	7693	7926	86166	Never	5140	16	2222	19	5664	21	952	12	1611	20	15589	18
	Mean	2.35	2.26	2.23	2.47	2.20	2.29	Occasionally	14544	46	5424	47	12886	47	3389	44	3884	49	40127	47
	Std Dev	0.90	0.90	0.90	0.91	0.88	0.90	Often	7801	25	2517	22	5910	22	2105	27	1638	21	19971	23
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	4136	13	1340	12	2963	11	1247	16	793	10	10479	12

**Topic: The economy, e.g., employment, wealth, etc. (contps9)**

First-Year	Valid N	14538	5288	9704	3349	3131	36010	Never	1955	13	804	15	1779	18	381	11	454	15	5373	15
	Mean	2.38	2.35	2.24	2.46	2.35	2.34	Occasionally	6931	48	2462	47	4748	49	1557	46	1508	48	17206	48
	Std Dev	0.87	0.88	0.86	0.88	0.87	0.87	Often	3866	27	1378	26	2276	23	903	27	803	26	9226	26
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	1786	12	644	12	901	9	508	15	366	12	4205	12
Sophomore	Valid N	6424	2192	5782	1419	1335	17152	Never	655	10	189	9	646	11	113	8	139	10	1742	10
	Mean	2.51	2.53	2.42	2.60	2.48	2.48	Occasionally	2827	44	1005	46	2751	48	620	44	622	47	7825	46
	Std Dev	0.87	0.86	0.84	0.89	0.87	0.86	Often	1957	30	649	30	1716	30	414	29	374	28	5110	30
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	985	15	349	16	669	12	272	19	200	15	2475	14
Junior	Valid N	4839	2140	4864	1107	1808	14758	Never	371	8	159	7	478	10	76	7	125	7	1209	8
	Mean	2.63	2.62	2.54	2.66	2.60	2.60	Occasionally	1983	41	893	42	2063	42	470	42	792	44	6201	42
	Std Dev	0.88	0.87	0.88	0.90	0.86	0.88	Often	1530	32	689	32	1542	32	318	29	572	32	4651	32
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	955	20	399	19	781	16	243	22	319	18	2697	18
Senior	Valid N	5820	1886	7072	1821	1654	18253	Never	361	6	120	6	457	6	67	4	86	5	1091	6
	Mean	2.71	2.71	2.71	2.84	2.75	2.73	Occasionally	2253	39	701	37	2675	38	633	35	626	38	6888	38
	Std Dev	0.88	0.87	0.88	0.85	0.87	0.88	Often	1925	33	668	35	2375	34	646	35	565	34	6179	34
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1281	22	397	21	1565	22	475	26	377	23	4095	22
Table Total	Valid N	31621	11506	27422	7696	7928	86173	Never	3342	11	1272	11	3360	12	637	8	804	10	9415	11
	Mean	2.50	2.49	2.45	2.60	2.51	2.50	Occasionally	13994	44	5061	44	12237	45	3280	43	3548	45	38120	44
	Std Dev	0.88	0.88	0.88	0.89	0.88	0.88	Often	9278	29	3384	29	7909	29	2281	30	2314	29	25166	29
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very often	5007	16	1789	16	3916	14	1498	19	1262	16	13472	16



**Table 4-7. Individual Items**

		DRU		MA I &		Table		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Topic: International relations (contps10)</b>																				
First-Year	Valid N	14532	5285	9700	3348	3127	35992	Never	2635	18	1114	21	2493	26	497	15	724	23	7463	21
	Mean	2.33	2.25	2.13	2.44	2.16	2.26	Occasionally	6517	45	2390	45	4424	46	1441	43	1488	48	16260	45
	Std Dev	0.93	0.93	0.91	0.94	0.90	0.93	Often	3378	23	1102	21	1818	19	845	25	596	19	7739	22
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very often	2002	14	679	13	965	10	565	17	319	10	4530	13
Sophomore	Valid N	6428	2193	5773	1418	1333	17145	Never	912	14	351	16	1041	18	139	10	263	20	2706	16
	Mean	2.44	2.39	2.29	2.63	2.26	2.39	Occasionally	2809	44	978	45	2685	47	562	40	614	46	7648	45
	Std Dev	0.93	0.93	0.90	0.93	0.91	0.92	Often	1655	26	532	24	1364	24	407	29	299	22	4257	25
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1052	16	332	15	683	12	310	22	157	12	2534	15
Junior	Valid N	4833	2138	4870	1104	1806	14751	Never	622	13	272	13	784	16	108	10	307	17	2093	14
	Mean	2.51	2.48	2.39	2.64	2.37	2.46	Occasionally	2051	42	942	44	2167	44	437	40	801	44	6398	43
	Std Dev	0.94	0.92	0.93	0.94	0.94	0.94	Often	1256	26	552	26	1178	24	305	28	422	23	3713	25
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	904	19	372	17	741	15	254	23	276	15	2547	17
Senior	Valid N	5823	1888	7068	1821	1653	18253	Never	694	12	210	11	875	12	99	5	211	13	2089	11
	Mean	2.53	2.50	2.51	2.80	2.47	2.54	Occasionally	2484	43	856	45	2978	42	658	36	741	45	7717	42
	Std Dev	0.93	0.91	0.93	0.90	0.92	0.93	Often	1533	26	487	26	1932	27	581	32	421	25	4954	27
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1112	19	335	18	1283	18	483	27	280	17	3493	19
Table Total	Valid N	31616	11504	27411	7691	7919	86141	Never	4863	15	1947	17	5193	19	843	11	1505	19	14351	17
	Mean	2.41	2.36	2.31	2.59	2.29	2.38	Occasionally	13861	44	5166	45	12254	45	3098	40	3644	46	38023	44
	Std Dev	0.93	0.93	0.93	0.94	0.92	0.93	Often	7822	25	2673	23	6292	23	2138	28	1738	22	20663	24
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	5070	16	1718	15	3672	13	1612	21	1032	13	13104	15

**Referred to readings or classes (coninf1)**

First-Year	Valid N	14384	5206	9507	3294	3059	35450	Never	347	2	219	4	435	5	64	2	128	4	1193	3
	Mean	2.81	2.71	2.62	2.90	2.64	2.74	Occasionally	5115	36	2025	39	4142	44	984	30	1311	43	13577	38
	Std Dev	0.79	0.81	0.79	0.78	0.79	0.80	Often	5826	41	2007	39	3503	37	1452	44	1153	38	13941	39
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	3096	22	955	18	1427	15	794	24	467	15	6739	19
Sophomore	Valid N	6396	2174	5685	1410	1312	16977	Never	119	2	56	3	162	3	6	0	45	3	388	2
	Mean	2.94	2.85	2.76	3.15	2.76	2.87	Occasionally	1822	28	714	33	2107	37	279	20	494	38	5416	32
	Std Dev	0.79	0.80	0.78	0.74	0.82	0.79	Often	2753	43	903	42	2369	42	629	45	501	38	7155	42
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1702	27	501	23	1047	18	496	35	272	21	4018	24
Junior	Valid N	4807	2111	4782	1100	1772	14572	Never	66	1	42	2	123	3	4	0	38	2	273	2
	Mean	2.99	2.94	2.84	3.21	2.84	2.93	Occasionally	1250	26	607	29	1548	32	196	18	608	34	4209	29
	Std Dev	0.77	0.79	0.79	0.74	0.79	0.79	Often	2135	44	904	43	2061	43	460	42	733	41	6293	43
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1356	28	558	26	1050	22	440	40	393	22	3797	26
Senior	Valid N	5776	1856	6952	1809	1631	18024	Never	94	2	41	2	155	2	8	0	32	2	330	2
	Mean	2.98	2.95	2.92	3.17	2.90	2.97	Occasionally	1571	27	524	28	2018	29	325	18	517	32	4955	27
	Std Dev	0.79	0.80	0.79	0.73	0.80	0.79	Often	2442	42	782	42	3030	44	829	46	671	41	7754	43
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1669	29	509	27	1749	25	647	36	411	25	4985	28
Table Total	Valid N	31363	11347	26926	7613	7774	85023	Never	626	2	358	3	875	3	82	1	243	3	2184	3
	Mean	2.90	2.82	2.77	3.06	2.76	2.85	Occasionally	9758	31	3870	34	9815	36	1784	23	2930	38	28157	33
	Std Dev	0.79	0.81	0.80	0.77	0.80	0.80	Often	13156	42	4596	41	10963	41	3370	44	3058	39	35143	41
	S.E.M.	0.00	0.01	0.00	0.01	0.01	0.00	Very often	7823	25	2523	22	5273	20	2377	31	1543	20	19539	23

**Explored different ways of thinking (coninf2)**

First-Year	Valid N	14361	5198	9497	3289	3056	35401	Never	636	4	296	6	659	7	109	3	200	7	1900	5
	Mean	2.72	2.62	2.53	2.82	2.55	2.65	Occasionally	5401	38	2172	42	4285	45	1080	33	1357	44	14295	40
	Std Dev	0.81	0.81	0.80	0.80	0.79	0.81	Often	5717	40	1936	37	3369	35	1402	43	1126	37	13550	38
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	2607	18	794	15	1184	12	698	21	373	12	5656	16
Sophomore	Valid N	6387	2171	5682	1407	1312	16959	Never	202	3	94	4	272	5	16	1	84	6	668	4
	Mean	2.82	2.71	2.63	2.97	2.63	2.74	Occasionally	2109	33	836	39	2387	42	394	28	518	39	6244	37
	Std Dev	0.80	0.81	0.79	0.77	0.82	0.80	Often	2704	42	846	39	2179	38	618	44	506	39	6853	40
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1372	21	395	18	844	15	379	27	204	16	3194	19
Junior	Valid N	4801	2107	4775	1099	1775	14557	Never	147	3	65	3	205	4	16	1	63	4	496	3
	Mean	2.83	2.80	2.69	3.03	2.71	2.78	Occasionally	1557	32	722	34	1881	39	263	24	681	38	5104	35
	Std Dev	0.80	0.79	0.80	0.77	0.78	0.80	Often	2057	43	888	42	1871	39	495	45	733	41	6044	42
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1040	22	432	21	818	17	325	30	298	17	2913	20
Senior	Valid N	5770	1851	6941	1808	1631	18001	Never	159	3	53	3	206	3	15	1	50	3	483	3
	Mean	2.85	2.82	2.79	3.06	2.79	2.84	Occasionally	1903	33	619	33	2450	35	404	22	586	36	5962	33
	Std Dev	0.81	0.79	0.79	0.74	0.80	0.80	Often	2353	41	789	43	2915	42	852	47	653	40	7562	42
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1355	23	390	21	1370	20	537	30	342	21	3994	22
Table Total	Valid N	31319	11327	26895	7603	7774	84918	Never	1144	4	508	4	1342	5	156	2	397	5	3547	4
	Mean	2.78	2.70	2.65	2.93	2.65	2.73	Occasionally	10970	35	4349	38	11003	41	2141	28	3142	40	31605	37
	Std Dev	0.81	0.81	0.80	0.78	0.80	0.81	Often	12831	41	4459	39	10334	38	3367	44	3018	39	34009	40
	S.E.M.	0.00	0.01	0.00	0.01	0.01	0.00	Very often	6374	20	2011	18	4216	16	1939	26	1217	16	15757	19

**Table 4-7. Individual Items**

		DRU		MA I & II			Table Total		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total	
		Ext	DRU Int	II	BA Lib	BA Gen			Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Referred to something instructor said (coninf3)</b>																				
First-Year	Valid N	14366	5199	9504	3291	3055	35415	Never	817	6	356	7	725	8	139	4	214	7	2251	6
	Mean	2.65	2.59	2.52	2.74	2.56	2.61	Occasionally	5827	41	2206	42	4346	46	1215	37	1336	44	14930	42
	Std Dev	0.82	0.83	0.82	0.81	0.81	0.82	Often	5341	37	1853	36	3179	33	1302	40	1099	36	12774	36
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	2381	17	784	15	1254	13	635	19	406	13	5460	15
Sophomore	Valid N	6387	2174	5681	1408	1311	16961	Never	285	4	99	5	293	5	33	2	65	5	775	5
	Mean	2.76	2.70	2.64	2.88	2.69	2.72	Occasionally	2290	36	852	39	2352	41	473	34	508	39	6475	38
	Std Dev	0.83	0.82	0.81	0.82	0.82	0.82	Often	2479	39	824	38	2130	37	535	38	501	38	6469	38
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1333	21	399	18	906	16	367	26	237	18	3242	19
Junior	Valid N	4795	2105	4778	1099	1775	14552	Never	185	4	68	3	197	4	22	2	68	4	540	4
	Mean	2.80	2.79	2.73	2.94	2.73	2.77	Occasionally	1662	35	759	36	1808	38	332	30	672	38	5233	36
	Std Dev	0.82	0.81	0.81	0.81	0.80	0.82	Often	1893	39	834	40	1864	39	437	40	715	40	5743	39
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1055	22	444	21	909	19	308	28	320	18	3036	21
Senior	Valid N	5769	1849	6944	1807	1627	17996	Never	226	4	57	3	234	3	31	2	44	3	592	3
	Mean	2.79	2.81	2.79	2.96	2.78	2.81	Occasionally	2026	35	639	35	2438	35	506	28	608	37	6217	35
	Std Dev	0.83	0.81	0.81	0.79	0.80	0.81	Often	2260	39	748	40	2832	41	780	43	644	40	7264	40
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	1257	22	405	22	1440	21	490	27	331	20	3923	22
Table Total	Valid N	31317	11327	26907	7605	7768	84924	Never	1513	5	580	5	1449	5	225	3	391	5	4158	5
	Mean	2.72	2.68	2.65	2.85	2.66	2.70	Occasionally	11805	38	4456	39	10944	41	2526	33	3124	40	32855	39
	Std Dev	0.83	0.82	0.82	0.81	0.81	0.82	Often	11973	38	4259	38	10005	37	3054	40	2959	38	32250	38
	S.E.M.	0.00	0.01	0.00	0.01	0.01	0.00	Very often	6026	19	2032	18	4509	17	1800	24	1294	17	15661	18
<b>Subsequently read something on a topic (coninf4)</b>																				
First-Year	Valid N	14364	5202	9491	3291	3061	35409	Never	1934	13	746	14	1513	16	369	11	464	15	5026	14
	Mean	2.39	2.35	2.29	2.46	2.32	2.36	Occasionally	6679	46	2460	47	4619	49	1473	45	1459	48	16690	47
	Std Dev	0.87	0.85	0.84	0.86	0.85	0.86	Often	3993	28	1437	28	2468	26	1021	31	820	27	9739	28
	S.E.M.	0.01	0.01	0.01	0.01	0.02	0.00	Very often	1758	12	559	11	891	9	428	13	318	10	3954	11
Sophomore	Valid N	6386	2171	5677	1409	1311	16954	Never	719	11	234	11	673	12	119	8	150	11	1895	11
	Mean	2.50	2.46	2.40	2.58	2.42	2.46	Occasionally	2745	43	1004	46	2672	47	606	43	613	47	7640	45
	Std Dev	0.89	0.86	0.83	0.88	0.84	0.86	Often	1926	30	642	30	1724	30	430	31	395	30	5117	30
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	996	16	291	13	608	11	254	18	153	12	2302	14
Junior	Valid N	4798	2107	4773	1099	1774	14551	Never	443	9	193	9	526	11	77	7	157	9	1396	10
	Mean	2.55	2.51	2.47	2.64	2.51	2.52	Occasionally	2053	43	932	44	2114	44	455	41	790	45	6344	44
	Std Dev	0.87	0.84	0.85	0.87	0.83	0.86	Often	1503	31	691	33	1515	32	357	32	591	33	4657	32
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very often	799	17	291	14	618	13	210	19	236	13	2154	15
Senior	Valid N	5767	1852	6945	1806	1633	18003	Never	489	8	138	7	575	8	100	6	109	7	1411	8
	Mean	2.58	2.60	2.56	2.73	2.58	2.59	Occasionally	2443	42	786	42	2960	43	661	37	719	44	7569	42
	Std Dev	0.87	0.86	0.85	0.85	0.83	0.86	Often	1845	32	608	33	2328	34	673	37	553	34	6007	33
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	990	17	320	17	1082	16	372	21	252	15	3016	17
Table Total	Valid N	31315	11332	26886	7605	7779	84917	Never	3585	11	1311	12	3287	12	665	9	880	11	9728	11
	Mean	2.47	2.44	2.41	2.57	2.44	2.46	Occasionally	13920	44	5182	46	12365	46	3195	42	3581	46	38243	45
	Std Dev	0.88	0.86	0.85	0.87	0.85	0.86	Often	9267	30	3378	30	8035	30	2481	33	2359	30	25520	30
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very often	4543	15	1461	13	3199	12	1264	17	959	12	11426	13
<b>Changed opinion because of others (coninf5)</b>																				
First-Year	Valid N	14376	5203	9505	3292	3053	35429	Never	1452	10	653	13	1267	13	271	8	328	11	3971	12
	Mean	2.31	2.28	2.25	2.38	2.29	2.29	Occasionally	8313	58	2868	55	5283	56	1812	55	1738	57	20014	56
	Std Dev	0.77	0.79	0.78	0.77	0.76	0.77	Often	3377	23	1238	24	2225	23	883	27	746	24	8469	24
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very often	1234	9	444	9	730	8	326	10	241	8	2975	8
Sophomore	Valid N	6384	2173	5673	1409	1312	16951	Never	445	7	213	10	498	9	59	4	119	9	1334	8
	Mean	2.36	2.31	2.32	2.39	2.33	2.34	Occasionally	3772	59	1259	58	3331	59	869	62	750	57	9981	59
	Std Dev	0.75	0.76	0.74	0.71	0.76	0.75	Often	1561	24	522	24	1398	25	350	25	333	25	4164	25
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	606	9	179	8	446	8	131	9	110	8	1472	9
Junior	Valid N	4800	2105	4781	1100	1776	14562	Never	347	7	157	7	457	10	45	4	130	7	1136	8
	Mean	2.35	2.35	2.30	2.45	2.34	2.34	Occasionally	2874	60	1246	59	2818	59	639	58	1039	59	8616	59
	Std Dev	0.75	0.74	0.75	0.74	0.71	0.74	Often	1139	24	520	25	1126	24	295	27	487	27	3567	24
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	440	9	182	9	380	8	121	11	120	7	1243	9
Senior	Valid N	5770	1849	6949	1807	1629	18004	Never	362	6	150	8	536	8	52	3	108	7	1208	7
	Mean	2.35	2.35	2.35	2.50	2.38	2.37	Occasionally	3551	62	1089	59	4080	59	1023	57	960	59	10703	59
	Std Dev	0.73	0.77	0.75	0.74	0.75	0.75	Often	1334	23	424	23	1710	25	515	29	399	24	4382	24
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very often	523	9	186	10	623	9	217	12	162	10	1711	10
Table Total	Valid N	31330	11330	26908	7608	7770	84946	Never	2606	8	1173	10	2758	10	427	6	685	9	7649	9
	Mean	2.33	2.31	2.30	2.42	2.33	2.33	Occasionally	18510	59	6462	57	15512	58	4343	57	4487	58	49314	58
	Std Dev	0.75	0.77	0.76	0.75	0.75	0.76	Often	7411	24	2704	24	6459	24	2043	27	1965	25	20582	24
	S.E.M.	0.00	0.01	0.00	0.01	0.01	0.00	Very often	2803	9	991	9	2179	8	795	10	633	8	7401	9



**Table 4-7. Individual Items**

		DRU		MA I &		Table		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Number of non-assigned books read (readnon)</b>																				
First-year	Valid N	14430	5192	9545	3292	3068	35527	None	3972	28	1596	31	3359	35	684	21	1052	34	10663	30
	Mean	2.04	2.01	1.94	2.21	1.94	2.02	Fewer than 5	7431	51	2505	48	4395	46	1695	51	1472	48	17498	49
	Std Dev	0.93	0.95	0.94	0.98	0.95	0.95	5 - 10	1922	13	693	13	1082	11	580	18	308	10	4585	13
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	10 - 20	679	5	230	4	454	5	195	6	136	4	1694	5
		0.00	0.00	0.00	0.00	0.00	0.00	> 20	426	3	168	3	255	3	138	4	100	3	1087	3
Sophomore	Valid N	6409	2177	5691	1416	1311	17004	None	1373	21	559	26	1627	29	147	10	402	31	4108	24
	Mean	2.18	2.13	2.07	2.47	2.04	2.15	Fewer than 5	3385	53	1078	50	2778	49	727	51	624	48	8592	51
	Std Dev	0.97	0.99	0.99	0.97	0.99	0.98	5 - 10	1034	16	317	15	762	13	348	25	168	13	2629	15
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	10 - 20	352	5	142	7	307	5	122	9	67	5	990	6
		0.00	0.00	0.00	0.00	0.00	0.00	> 20	265	4	81	4	217	4	72	5	50	4	685	4
Junior	Valid N	4814	2103	4795	1101	1762	14575	None	980	20	518	25	1270	26	113	10	513	29	3394	23
	Mean	2.27	2.21	2.12	2.56	2.07	2.21	Fewer than 5	2391	50	983	47	2356	49	526	48	846	48	7102	49
	Std Dev	1.03	1.05	1.01	1.04	0.99	1.03	5 - 10	856	18	332	16	675	14	268	24	238	14	2369	16
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	10 - 20	324	7	172	8	290	6	115	10	103	6	1004	7
		0.00	0.00	0.00	0.00	0.00	0.00	> 20	263	5	98	5	204	4	79	7	62	4	706	5
Senior	Valid N	5784	1852	6943	1803	1607	17989	None	995	17	406	22	1606	23	161	9	382	24	3550	20
	Mean	2.39	2.41	2.25	2.63	2.27	2.35	Fewer than 5	2800	48	773	42	3312	48	845	47	735	46	8465	47
	Std Dev	1.08	1.18	1.07	1.07	1.09	1.09	5 - 10	1110	19	346	19	1097	16	446	25	268	17	3267	18
	S.E.M.	0.01	0.03	0.01	0.03	0.03	0.01	10 - 20	482	8	166	9	520	7	200	11	126	8	1494	8
		0.00	0.00	0.00	0.00	0.00	0.00	> 20	397	7	161	9	408	6	151	8	96	6	1213	7
Total	Valid N	31437	11324	26974	7612	7748	85095	None	7320	23	3079	27	7862	29	1105	15	2349	30	21715	26
	Mean	2.17	2.14	2.08	2.41	2.05	2.15	Fewer than 5	16007	51	5339	47	12841	48	3793	50	3677	47	41657	49
	Std Dev	0.99	1.03	1.01	1.02	1.00	1.01	5 - 10	4922	16	1688	15	3616	13	1642	22	982	13	12850	15
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	10 - 20	1837	6	710	6	1571	6	632	8	432	6	5182	6
								> 20	1351	4	508	4	1084	4	440	6	308	4	3691	4

<b>Number of essays written (writess)</b>																				
First-year	Valid N	14428	5210	9563	3291	3079	35571	None	1208	8	315	6	686	7	116	4	101	3	2426	7
	Mean	2.85	3.05	3.05	3.13	3.38	3.01	Fewer than 5	4772	33	1471	28	2507	26	874	27	568	18	10192	29
	Std Dev	1.07	1.09	1.10	1.03	1.06	1.09	5 - 10	4478	31	1656	32	3036	32	1093	33	976	32	11239	32
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	10 - 20	2865	20	1193	23	2306	24	869	26	937	30	8170	23
		0.00	0.00	0.00	0.00	0.00	0.00	> 20	1105	8	575	11	1028	11	339	10	497	16	3544	10
Sophomore	Valid N	6398	2178	5711	1417	1307	17011	None	664	10	170	8	385	7	48	3	126	10	1393	8
	Mean	2.71	2.84	3.01	2.92	2.95	2.87	Fewer than 5	2346	37	733	34	1625	28	476	34	380	29	5560	33
	Std Dev	1.05	1.06	1.09	0.96	1.16	1.07	5 - 10	1943	30	709	33	1803	32	533	38	381	29	5369	32
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	10 - 20	1058	17	397	18	1327	23	264	19	272	21	3318	20
		0.00	0.00	0.00	0.00	0.00	0.00	> 20	387	6	169	8	571	10	96	7	148	11	1371	8
Junior	Valid N	4807	2119	4804	1101	1784	14615	None	443	9	164	8	318	7	49	4	125	7	1099	8
	Mean	2.74	2.84	2.95	2.83	2.99	2.86	Fewer than 5	1810	38	730	34	1536	32	387	35	534	30	4997	34
	Std Dev	1.05	1.06	1.08	0.94	1.10	1.07	5 - 10	1392	29	670	32	1451	30	429	39	544	30	4486	31
	S.E.M.	0.02	0.02	0.02	0.03	0.03	0.01	10 - 20	867	18	394	19	1054	22	176	16	398	22	2889	20
		0.00	0.00	0.00	0.00	0.00	0.00	> 20	295	6	161	8	445	9	60	5	183	10	1144	8
Senior	Valid N	5805	1866	6972	1818	1628	18089	None	541	9	184	10	323	5	82	5	124	8	1254	7
	Mean	2.78	2.83	3.10	2.99	3.09	2.96	Fewer than 5	2078	36	623	33	1917	27	565	31	420	26	5603	31
	Std Dev	1.07	1.11	1.07	1.03	1.15	1.09	5 - 10	1713	30	560	30	2263	32	624	34	491	30	5651	31
	S.E.M.	0.01	0.03	0.01	0.02	0.03	0.01	10 - 20	1051	18	330	18	1662	24	384	21	372	23	3799	21
		0.00	0.00	0.00	0.00	0.00	0.00	> 20	422	7	169	9	807	12	163	9	221	14	1782	10
Total	Valid N	31438	11373	27050	7627	7798	85286	None	2856	9	833	7	1712	6	295	4	476	6	6172	7
	Mean	2.79	2.93	3.04	3.02	3.16	2.94	Fewer than 5	11006	35	3557	31	7585	28	2302	30	1902	24	26352	31
	Std Dev	1.07	1.09	1.09	1.01	1.12	1.08	5 - 10	9526	30	3595	32	8553	32	2679	35	2392	31	26745	31
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	10 - 20	5841	19	2314	20	6349	23	1693	22	1979	25	18176	21
								> 20	2209	7	1074	9	2851	11	658	9	1049	13	7841	9

**Table 4-7. Individual Items**

		DRU		MA I &		Table		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Number of term papers written (writterm)</b>																				
First-year	Valid N	14313	5151	9420	3276	3030	35190	None	547	4	178	3	344	4	43	1	80	3	1192	3
	Mean	3.25	3.23	3.15	3.47	3.50	3.26	Fewer than 5	3356	23	1267	25	2463	26	551	17	578	19	8215	23
	Std Dev	1.08	1.06	1.05	0.99	1.09	1.07	5 - 10	4381	31	1564	30	3054	32	1022	31	729	24	10750	31
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	10 - 20	4073	28	1492	29	2512	27	1141	35	1026	34	10244	29
		0.00	0.00	0.00	0.00	0.00	0.00	> 20	1956	14	650	13	1047	11	519	16	617	20	4789	14
Sophomore	Valid N	6370	2156	5638	1416	1286	16866	None	425	7	146	7	280	5	26	2	104	8	981	6
	Mean	2.89	2.80	2.96	3.21	2.98	2.94	Fewer than 5	2234	35	774	36	1902	34	369	26	396	31	5675	34
	Std Dev	1.08	1.00	1.06	1.01	1.14	1.07	5 - 10	1879	29	738	34	1701	30	460	32	345	27	5123	30
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	10 - 20	1258	20	370	17	1248	22	401	28	305	24	3582	21
		0.00	0.00	0.00	0.00	0.00	0.00	> 20	574	9	128	6	507	9	160	11	136	11	1505	9
Junior	Valid N	4778	2092	4753	1095	1739	14457	None	230	5	132	6	192	4	20	2	98	6	672	5
	Mean	2.95	2.84	3.01	3.24	2.92	2.97	Fewer than 5	1648	34	759	36	1546	33	252	23	613	35	4818	33
	Std Dev	1.06	1.03	1.05	1.00	1.07	1.05	5 - 10	1490	31	648	31	1493	31	399	36	515	30	4545	31
	S.E.M.	0.02	0.02	0.02	0.03	0.03	0.01	10 - 20	955	20	410	20	1053	22	290	26	349	20	3057	21
		0.00	0.00	0.00	0.00	0.00	0.00	> 20	455	10	143	7	469	10	134	12	164	9	1365	9
Senior	Valid N	5782	1838	6890	1807	1589	17906	None	199	3	93	5	180	3	4	0	59	4	535	3
	Mean	3.11	2.98	3.14	3.36	3.23	3.14	Fewer than 5	1759	30	605	33	1944	28	361	20	417	26	5086	28
	Std Dev	1.08	1.07	1.04	0.95	1.12	1.06	5 - 10	1755	30	578	31	2323	34	664	37	474	30	5794	32
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	10 - 20	1334	23	373	20	1609	23	540	30	380	24	4236	24
		0.00	0.00	0.00	0.00	0.00	0.00	> 20	735	13	189	10	834	12	238	13	259	16	2255	13
Total	Valid N	31243	11237	26701	7594	7644	84419	None	1401	4	549	5	996	4	93	1	341	4	3380	4
	Mean	3.10	3.03	3.09	3.36	3.23	3.12	Fewer than 5	8997	29	3405	30	7855	29	1533	20	2004	26	23794	28
	Std Dev	1.08	1.06	1.05	0.99	1.13	1.07	5 - 10	9505	30	3528	31	8571	32	2545	34	2063	27	26212	31
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	10 - 20	7620	24	2645	24	6422	24	2372	31	2060	27	21119	25
		0.00	0.00	0.00	0.00	0.00	0.00	> 20	3720	12	1110	10	2857	11	1051	14	1176	15	9914	12

**How well college is liked (likecoll)**

First-year	Valid N	14554	5275	9674	3340	3127	35970	Do not like it	440	3	191	4	381	4	144	4	134	4	1290	4
	Mean	3.29	3.14	3.05	3.25	3.09	3.18	Neutral	1583	11	766	15	1558	16	359	11	479	15	4745	13
	Std Dev	0.78	0.79	0.78	0.81	0.80	0.79	Like it	5871	40	2424	46	4933	51	1351	40	1492	48	16071	45
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Enthusiastic	6660	46	1894	36	2802	29	1486	44	1022	33	13864	39
		0.01	0.01	0.01	0.01	0.01	0.00	Do not like it	239	4	81	4	170	3	47	3	43	3	580	3
Sophomore	Valid N	6432	2198	5758	1423	1331	17142	Neutral	765	12	343	16	780	14	118	8	189	14	2195	13
	Mean	3.24	3.13	3.15	3.37	3.08	3.19	Like it	2618	41	984	45	2843	49	518	36	723	54	7686	45
	Std Dev	0.80	0.80	0.76	0.77	0.74	0.78	Enthusiastic	2810	44	790	36	1965	34	740	52	376	28	6681	39
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Do not like it	195	4	111	5	187	4	36	3	55	3	584	4
		0.01	0.01	0.01	0.01	0.01	0.01	Neutral	680	14	304	14	789	16	120	11	262	15	2155	15
Junior	Valid N	4841	2144	4862	1113	1798	14758	Like it	2027	42	1039	48	2536	52	400	36	921	51	6923	47
	Mean	3.18	3.08	3.04	3.33	3.10	3.12	Enthusiastic	1939	40	690	32	1350	28	557	50	560	31	5096	35
	Std Dev	0.82	0.82	0.77	0.79	0.75	0.80	Do not like it	303	5	80	4	282	4	69	4	71	4	805	4
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Neutral	798	14	288	15	1018	14	134	7	251	15	2489	14
		0.01	0.01	0.01	0.01	0.01	0.01	Like it	2512	43	913	49	3351	48	664	36	761	46	8201	45
Senior	Valid N	5823	1875	7052	1824	1648	18222	Enthusiastic	2210	38	594	32	2401	34	957	52	565	34	6727	37
	Mean	3.14	3.08	3.12	3.38	3.10	3.14	Do not like it	1177	4	463	4	1020	4	296	4	303	4	3259	4
	Std Dev	0.84	0.80	0.79	0.78	0.81	0.81	Neutral	3826	12	1701	15	4145	15	731	9	1181	15	11584	13
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Like it	13028	41	5360	47	13663	50	2933	38	3897	49	38881	45
		0.00	0.01	0.00	0.01	0.01	0.00	Enthusiastic	13619	43	3968	35	8518	31	3740	49	2523	32	32368	38

**Would attend same institution again (samecoll)**

First-year	Valid N	14557	5262	9663	3339	3122	35943	No, definitely	480	3	289	5	613	6	197	6	232	7	1811	5
	Mean	3.32	3.16	3.06	3.16	3.03	3.19	Probably no	1491	10	672	13	1487	15	426	13	506	16	4582	13
	Std Dev	0.79	0.85	0.87	0.86	0.89	0.84	Probably yes	5444	37	2183	41	4225	44	1361	41	1331	43	14544	40
	S.E.M.	0.01	0.01	0.01	0.01	0.02	0.00	Yes, definitely	7142	49	2118	40	3338	35	1355	41	1053	34	15006	42
		0.01	0.01	0.01	0.01	0.02	0.00	No, definitely	201	3	122	6	323	6	51	4	97	7	794	5
Sophomore	Valid N	6432	2194	5759	1420	1327	17132	Probably no	835	13	389	18	897	16	168	12	252	19	2541	15
	Mean	3.26	3.06	3.10	3.26	2.98	3.16	Probably yes	2496	39	921	42	2431	42	560	39	559	42	6967	41
	Std Dev	0.80	0.86	0.86	0.80	0.89	0.84	Yes, definitely	2900	45	762	35	2108	37	641	45	419	32	6830	40
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	No, definitely	201	4	166	8	296	6	39	4	113	6	815	6
		0.01	0.01	0.01	0.01	0.01	0.01	Probably no	664	14	412	19	829	17	131	12	303	17	2339	16
Junior	Valid N	4848	2139	4860	1111	1796	14754	Probably yes	1940	40	894	42	2271	47	417	38	765	43	6287	43
	Mean	3.20	2.96	3.01	3.28	3.05	3.09	Yes, definitely	2043	42	667	31	1464	30	524	47	615	34	5313	36
	Std Dev	0.83	0.90	0.85	0.81	0.87	0.86	No, definitely	309	5	132	7	554	8	74	4	124	8	1193	7
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Probably no	875	15	334	18	1274	18	206	11	270	16	2959	16
		0.01	0.01	0.01	0.01	0.01	0.01	Probably yes	2294	39	863	46	2960	42	694	38	686	42	7497	41
Senior	Valid N	5826	1876	7045	1822	1646	18215	Yes, definitely	2348	40	547	29	2257	32	848	47	566	34	6566	36
	Mean	3.15	2.97	2.98	3.27	3.03	3.07	No, definitely	1191	4	709	6	1786	7	361	5	566	7	4613	5
	Std Dev	0.86	0.87	0.90	0.82	0.90	0.88	Probably no												

**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Overall opinion of college (opinscor)</b>																				
First-year	Valid N	14533	5254	9642	3332	3115	35876	Low	197	1	96	2	221	2	89	3	82	3	685	2
	Mean	6.61	6.31	6.11	6.41	6.12	6.37	3	285	2	169	3	308	3	92	3	105	3	959	3
	Std Dev	1.40	1.46	1.45	1.52	1.51	1.46	4	750	5	334	6	774	8	196	6	275	9	2329	6
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	5	1440	10	692	13	1392	14	366	11	426	14	4316	12
								6	3467	24	1458	28	2955	31	885	27	923	30	9688	27
								7	3324	23	1148	22	2129	22	648	19	628	20	7877	22
								High	5070	35	1357	26	1863	19	1056	32	676	22	10022	28
Sophomore	Valid N	6422	2193	5746	1419	1325	17105	Low	90	1	36	2	99	2	25	2	23	2	273	2
	Mean	6.50	6.19	6.25	6.63	6.06	6.35	3	150	2	77	4	138	2	30	2	37	3	432	3
	Std Dev	1.42	1.46	1.41	1.43	1.41	1.43	4	377	6	171	8	401	7	64	5	123	9	1136	7
	S.E.M.	0.02	0.03	0.02	0.04	0.04	0.01	5	752	12	332	15	864	15	139	10	221	17	2308	13
								6	1527	24	611	28	1632	28	334	24	416	31	4520	26
								7	1509	23	472	22	1336	23	296	21	266	20	3879	23
								High	2017	31	494	23	1276	22	531	37	239	18	4557	27
Junior	Valid N	4835	2136	4850	1111	1792	14724	Low	78	2	55	3	81	2	19	2	27	2	260	2
	Mean	6.38	6.04	6.05	6.61	6.16	6.21	3	137	3	78	4	163	3	27	2	51	3	456	3
	Std Dev	1.45	1.50	1.39	1.46	1.40	1.45	4	323	7	202	9	389	8	62	6	154	9	1130	8
	S.E.M.	0.02	0.03	0.02	0.04	0.03	0.01	5	600	12	323	15	824	17	105	9	254	14	2106	14
								6	1238	26	618	29	1529	32	247	22	555	31	4187	28
								7	1105	23	447	21	1078	22	236	21	401	22	3267	22
								High	1354	28	413	19	786	16	415	37	350	20	3318	23
Senior	Valid N	5817	1868	7025	1821	1642	18173	Low	132	2	39	2	164	2	38	2	39	2	412	2
	Mean	6.29	6.05	6.10	6.65	6.13	6.21	3	188	3	68	4	253	4	38	2	62	4	609	3
	Std Dev	1.50	1.43	1.48	1.45	1.49	1.49	4	431	7	140	7	587	8	89	5	131	8	1378	8
	S.E.M.	0.02	0.03	0.02	0.03	0.04	0.01	5	744	13	314	17	1090	16	151	8	241	15	2540	14
								6	1471	25	591	32	1987	28	410	23	447	27	4906	27
								7	1344	23	388	21	1520	22	417	23	381	23	4050	22
								High	1507	26	328	18	1424	20	678	37	341	21	4278	24
Total	Valid N	31607	11451	27263	7683	7874	85878	Low	497	2	226	2	565	2	171	2	171	2	1630	2
	Mean	6.49	6.19	6.13	6.54	6.12	6.31	3	760	2	392	3	862	3	187	2	255	3	2456	3
	Std Dev	1.44	1.47	1.44	1.48	1.46	1.46	4	1881	6	847	7	2151	8	411	5	683	9	5973	7
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	5	3536	11	1661	15	4170	15	761	10	1142	15	11270	13
								6	7703	24	3278	29	8103	30	1876	24	2341	30	23301	27
								7	7282	23	2455	21	6063	22	1597	21	1676	21	19073	22
								High	9948	31	2592	23	5349	20	2680	35	1606	20	22175	26

**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Env. Emphasis: Scholarship (envsch)</b>																				
First-year	Valid N	14534	5271	9657	3337	3131	35930	Weak emphasis	56	0	29	1	36	0	24	1	14	0	159	0
	Mean	5.84	5.60	5.46	6.04	5.66	5.71	2	127	1	49	1	86	1	14	0	32	1	308	1
	Std Dev	1.13	1.21	1.17	1.09	1.13	1.16	3	313	2	153	3	327	3	45	1	59	2	897	2
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	4	1237	9	762	14	1539	16	214	6	353	11	4105	11
								5	2852	20	1203	23	2604	27	515	15	749	24	7923	22
								6	5191	36	1642	31	3104	32	1121	34	1149	37	12207	34
								Strong emphasis	4758	33	1433	27	1961	20	1404	42	775	25	10331	29
Sophomore	Valid N	6424	2191	5767	1418	1330	17130	Weak emphasis	40	1	15	1	44	1	4	0	10	1	113	1
	Mean	5.94	5.52	5.48	6.41	5.51	5.73	2	76	1	32	1	48	1	7	0	18	1	181	1
	Std Dev	1.18	1.27	1.16	0.89	1.20	1.20	3	152	2	97	4	196	3	12	1	45	3	502	3
	S.E.M.	0.01	0.03	0.02	0.02	0.03	0.01	4	446	7	308	14	765	13	25	2	164	12	1708	10
								5	1059	16	512	23	1595	28	108	8	347	26	3621	21
								6	2137	33	663	30	2016	35	437	31	461	35	5714	33
								Strong emphasis	2514	39	564	26	1103	19	825	58	285	21	5291	31
Junior	Valid N	4832	2132	4862	1107	1802	14735	Weak emphasis	35	1	13	1	33	1	2	0	5	0	88	1
	Mean	5.74	5.51	5.43	6.43	5.60	5.64	2	100	2	42	2	53	1	4	0	13	1	212	1
	Std Dev	1.28	1.30	1.18	0.89	1.13	1.24	3	172	4	94	4	181	4	13	1	44	2	504	3
	S.E.M.	0.02	0.03	0.02	0.03	0.03	0.01	4	431	9	306	14	683	14	24	2	244	14	1688	11
								5	928	19	487	23	1384	28	78	7	459	25	3336	23
								6	1545	32	622	29	1610	33	319	29	608	34	4704	32
								Strong emphasis	1621	33	568	27	918	19	667	60	429	24	4203	29
Senior	Valid N	5811	1882	7045	1818	1654	18210	Weak emphasis	54	1	24	1	47	1	1	0	13	1	139	1
	Mean	5.60	5.18	5.47	6.43	5.58	5.59	2	144	2	44	2	106	2	4	0	15	1	313	2
	Std Dev	1.33	1.33	1.21	0.84	1.18	1.27	3	259	4	128	7	262	4	15	1	51	3	715	4
	S.E.M.	0.02	0.03	0.01	0.02	0.03	0.01	4	577	10	316	17	954	14	36	2	190	11	2073	11
								5	1260	22	543	29	1854	26	162	9	417	25	4236	23
								6	1814	31	512	27	2355	33	516	28	584	35	5781	32
								Strong emphasis	1703	29	315	17	1467	21	1084	60	384	23	4953	27
Total	Valid N	31601	11476	27331	7680	7917	86005	Weak emphasis	185	1	81	1	160	1	31	0	42	1	499	1
	Mean	5.80	5.50	5.46	6.26	5.61	5.68	2	447	1	167	1	293	1	29	0	78	1	1014	1
	Std Dev	1.21	1.27	1.18	0.99	1.15	1.21	3	896	3	472	4	966	4	85	1	199	3	2618	3
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	4	2691	9	1692	15	3941	14	299	4	951	12	9574	11
								5	6099	19	2745	24	7437	27	863	11	1972	25	19116	22
								6	10687	34	3439	30	9085	33	2393	31	2802	35	28406	33
								Strong emphasis	10596	34	2880	25	5449	20	3980	52	1873	24	24778	29
<b>Env. Emphasis: Aesthetics (envesth)</b>																				
First-year	Valid N	14529	5270	9651	3333	3128	35911	Weak emphasis	237	2	47	1	90	1	34	1	53	2	461	1
	Mean	4.92	4.98	4.92	5.34	4.92	4.97	2	605	4	147	3	276	3	80	2	116	4	1224	3
	Std Dev	1.39	1.29	1.27	1.31	1.35	1.34	3	1340	9	427	8	781	8	182	5	244	8	2974	8
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	4	2801	19	1197	23	2310	24	472	14	658	21	7438	21
								5	4232	29	1527	29	2965	31	890	27	959	31	10573	29
								6	3523	24	1282	24	2204	23	1014	30	738	24	8761	24
								Strong emphasis	1791	12	643	12	1025	11	661	20	360	12	4480	12
Sophomore	Valid N	6422	2190	5760	1419	1329	17120	Weak emphasis	234	4	42	2	96	2	14	1	36	3	422	2
	Mean	4.62	4.73	4.81	5.23	4.74	4.76	2	460	7	99	5	216	4	58	4	67	5	900	5
	Std Dev	1.54	1.38	1.33	1.37	1.43	1.44	3	757	12	254	12	535	9	85	6	132	10	1763	10
	S.E.M.	0.02	0.03	0.02	0.04	0.04	0.01	4	1270	20	490	22	1360	24	210	15	291	22	3621	21
								5	1701	26	653	30	1742	30	377	27	392	29	4865	28
								6	1341	21	440	20	1263	22	419	30	272	20	3735	22
								Strong emphasis	659	10	212	10	548	10	256	18	139	10	1814	11
Junior	Valid N	4835	2129	4860	1104	1801	14729	Weak emphasis	211	4	45	2	83	2	15	1	24	1	378	3
	Mean	4.41	4.57	4.70	5.07	4.89	4.64	2	458	9	129	6	237	5	58	5	89	5	971	7
	Std Dev	1.57	1.39	1.37	1.43	1.40	1.46	3	642	13	289	14	540	11	86	8	162	9	1719	12
	S.E.M.	0.02	0.03	0.02	0.04	0.03	0.01	4	1018	21	478	22	1176	24	164	15	376	21	3212	22
								5	1219	25	636	30	1417	29	312	28	533	30	4117	28
								6	898	19	400	19	971	20	292	26	376	21	2937	20
								Strong emphasis	389	8	152	7	436	9	177	16	241	13	1395	9
Senior	Valid N	5819	1878	7042	1818	1650	18207	Weak emphasis	330	6	44	2	144	2	12	1	30	2	560	3
	Mean	4.22	4.51	4.73	5.17	4.80	4.60	2	631	11	128	7	368	5	71	4	76	5	1274	7
	Std Dev	1.58	1.40	1.43	1.37	1.40	1.50	3	841	14	236	13	800	11	150	8	171	10	2198	12
	S.E.M.	0.02	0.03	0.02	0.03	0.03	0.01	4	1312	23	468	25	1565	22	259	14	362	22	3966	22
								5	1379	24	559	30	1965	28	517	28	475	29	4895	27
								6	955	16	298	16	1442	20	491	27	350	21	3536	19
								Strong emphasis	371	6	145	8	758	11	318	17	186	11	1778	10
Total	Valid N	31605	11467	27313	7674	7908	85967	Weak emphasis	1012	3	178	2	413	2	75	1	143	2	1821	2
	Mean	4.65	4.78	4.81	5.24	4.86	4.79	2	2154	7	503	4	1097	4	267	3	348	4	4369	5
	Std Dev	1.51	1.36	1.35	1.36	1.39	1.42	3	3580	11	1206	11	2656	10	503	7	709	9	8654	10
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	4	6401	20	2633	23	6411	23	1105	14	1687	21	18237	21
								5	8531	27	3375	29	8089	30	2096	27	2359	30	24450	28
								6	6717	21	2420	21	5880	22	2216	29	1736	22	18969	22
								Strong emphasis	3210	10	1152	10	2767	10	1412	18	926	12	9467	11



**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Env. Emphasis: Analysis (envcrit)</b>																				
First-year	Valid N	14519	5265	9645	3335	3126	35890	Weak emphasis	52	0	26	0	51	1	15	0	21	1	165	0
	Mean	5.55	5.27	5.11	5.72	5.27	5.38	2	154	1	87	2	164	2	26	1	48	2	479	1
	Std Dev	1.19	1.24	1.21	1.18	1.19	1.22	3	561	4	283	5	602	6	112	3	131	4	1689	5
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	4	1855	13	975	19	2074	22	347	10	555	18	5806	16
								5	3739	26	1467	28	2927	30	735	22	958	31	9826	27
								6	4743	33	1501	29	2611	27	1101	33	946	30	10902	30
								Strong emphasis	3415	24	926	18	1216	13	999	30	467	15	7023	20
Sophomore	Valid N	6425	2190	5767	1417	1326	17125	Weak emphasis	35	1	20	1	40	1	2	0	10	1	107	1
	Mean	5.64	5.18	5.14	6.07	5.21	5.42	2	90	1	40	2	99	2	10	1	31	2	270	2
	Std Dev	1.23	1.30	1.20	1.06	1.24	1.25	3	238	4	157	7	342	6	30	2	59	4	826	5
	S.E.M.	0.02	0.03	0.02	0.03	0.03	0.01	4	694	11	404	18	1088	19	67	5	249	19	2502	15
								5	1469	23	619	28	1822	32	234	17	394	30	4538	26
								6	2077	32	577	26	1687	29	464	33	388	29	5193	30
								Strong emphasis	1822	28	373	17	689	12	610	43	195	15	3689	22
Junior	Valid N	4829	2125	4862	1107	1800	14723	Weak emphasis	42	1	13	1	33	1	4	0	6	0	98	1
	Mean	5.50	5.24	5.17	6.15	5.36	5.39	2	94	2	62	3	102	2	7	1	28	2	293	2
	Std Dev	1.31	1.32	1.24	1.06	1.23	1.29	3	227	5	130	6	298	6	17	2	94	5	766	5
	S.E.M.	0.02	0.03	0.02	0.03	0.03	0.01	4	620	13	369	17	902	19	54	5	290	16	2235	15
								5	1134	23	571	27	1449	30	160	14	496	28	3810	26
								6	1469	30	581	27	1396	29	328	30	536	30	4310	29
								Strong emphasis	1243	26	399	19	682	14	537	49	350	19	3211	22
Senior	Valid N	5807	1880	7043	1817	1652	18199	Weak emphasis	54	1	27	1	48	1	2	0	14	1	145	1
	Mean	5.43	5.09	5.28	6.19	5.34	5.40	2	138	2	54	3	118	2	11	1	27	2	348	2
	Std Dev	1.34	1.36	1.25	1.01	1.24	1.30	3	339	6	133	7	405	6	28	2	74	4	979	5
	S.E.M.	0.02	0.03	0.01	0.02	0.03	0.01	4	733	13	366	19	1195	17	71	4	257	16	2622	14
								5	1420	24	509	27	1939	28	258	14	484	29	4610	25
								6	1713	29	504	27	2173	31	563	31	487	29	5440	30
								Strong emphasis	1410	24	287	15	1165	17	884	49	309	19	4055	22
Total	Valid N	31580	11460	27317	7676	7904	85937	Weak emphasis	183	1	86	1	172	1	23	0	51	1	515	1
	Mean	5.54	5.22	5.17	5.96	5.29	5.39	2	476	2	243	2	483	2	54	1	134	2	1390	2
	Std Dev	1.25	1.29	1.23	1.12	1.22	1.25	3	1365	4	703	6	1647	6	187	2	358	5	4260	5
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	4	3902	12	2114	18	5259	19	539	7	1351	17	13165	15
								5	7762	25	3166	28	8137	30	1387	18	2332	30	22784	27
								6	10002	32	3163	28	7867	29	2456	32	2357	30	25845	30
								Strong emphasis	7890	25	1985	17	3752	14	3030	39	1321	17	17978	21
<b>Env. Emphasis: Diversity (envdiv)</b>																				
First-year	Valid N	14519	5271	9648	3334	3125	35897	Weak emphasis	251	2	110	2	151	2	74	2	102	3	688	2
	Mean	5.21	5.04	4.95	5.36	4.75	5.09	2	523	4	209	4	384	4	101	3	193	6	1410	4
	Std Dev	1.46	1.48	1.42	1.49	1.56	1.47	3	1056	7	431	8	891	9	204	6	338	11	2920	8
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	4	2362	16	1066	20	2057	21	465	14	642	21	6592	18
								5	3415	24	1222	23	2515	26	730	22	755	24	8637	24
								6	3758	26	1256	24	2223	23	847	25	654	21	8738	24
								Strong emphasis	3154	22	977	19	1427	15	913	27	441	14	6912	19
Sophomore	Valid N	6425	2191	5763	1420	1329	17128	Weak emphasis	218	3	84	4	159	3	11	1	40	3	512	3
	Mean	4.90	4.68	4.78	5.67	4.80	4.89	2	413	6	152	7	330	6	26	2	77	6	998	6
	Std Dev	1.61	1.59	1.51	1.33	1.58	1.57	3	581	9	241	11	616	11	67	5	146	11	1651	10
	S.E.M.	0.02	0.03	0.02	0.04	0.04	0.01	4	1112	17	447	20	1187	21	152	11	296	22	3194	19
								5	1501	23	523	24	1429	25	292	21	270	20	4015	23
								6	1465	23	459	21	1289	22	384	27	281	21	3878	23
								Strong emphasis	1135	18	285	13	753	13	488	34	219	16	2880	17
Junior	Valid N	4825	2130	4859	1104	1799	14717	Weak emphasis	205	4	105	5	120	2	8	1	43	2	481	3
	Mean	4.75	4.53	4.76	5.56	5.02	4.81	2	368	8	168	8	279	6	31	3	92	5	938	6
	Std Dev	1.65	1.64	1.50	1.40	1.57	1.59	3	464	10	280	13	567	12	61	6	165	9	1537	10
	S.E.M.	0.02	0.04	0.02	0.04	0.04	0.01	4	899	19	451	21	1020	21	136	12	340	19	2846	19
								5	1108	23	454	21	1197	25	222	20	386	21	3367	23
								6	1020	21	408	19	1067	22	292	26	399	22	3186	22
								Strong emphasis	761	16	264	12	609	13	354	32	374	21	2362	16
Senior	Valid N	5812	1880	7050	1816	1649	18207	Weak emphasis	296	5	52	3	259	4	22	1	51	3	680	4
	Mean	4.58	4.76	4.70	5.41	4.90	4.76	2	477	8	111	6	500	7	53	3	98	6	1239	7
	Std Dev	1.66	1.54	1.60	1.42	1.61	1.62	3	696	12	226	12	802	11	112	6	168	10	2004	11
	S.E.M.	0.02	0.04	0.02	0.03	0.04	0.01	4	1117	19	389	21	1419	20	244	13	293	18	3462	19
								5	1317	23	448	24	1616	23	407	22	390	24	4178	23
								6	1144	20	386	21	1440	20	492	27	331	20	3793	21
								Strong emphasis	765	13	268	14	1014	14	486	27	318	19	2851	16
Total	Valid N	31581	11472	27320	7674	7902	85949	Weak emphasis	970	3	351	3	689	3	115	1	236	3	2361	3
	Mean	4.96	4.83	4.82	5.46	4.85	4.93	2	1781	6	640	6	1493	5	211	3	460	6	4585	5
	Std Dev	1.58	1.56	1.51	1.44	1.58	1.55	3	2797	9	1178	10	2876	11	444	6	817	10	8112	9
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	4	5490	17	2353	21	5683	21	997	13	1571	20	16094	19
								5	7341	23	2647	23	6757	25	1651	22	1801	23	20197	23
								6	7387	23	2509	22	6019	22	2015	26	1665	21	19595	23
								Strong emphasis	5815	18	1794	16	3803	14	2241	29	1352</			



Table 4-7. Individual Items

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Env. Emphasis: Info. literacy skills (envinfo)</b>																				
First-year	Valid N	14527	5269	9638	3331	3123	35888	Weak emphasis	87	1	22	0	62	1	25	1	21	1	217	1
	Mean	5.54	5.60	5.29	5.15	5.36	5.43	2	232	2	77	1	195	2	93	3	51	2	648	2
	Std Dev	1.26	1.28	1.25	1.29	1.25	1.27	3	634	4	255	5	484	5	225	7	158	5	1756	5
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	4	1816	13	693	13	1661	17	603	18	497	16	5270	15
								5	3528	24	1128	21	2649	27	949	28	833	27	9087	25
							6	4525	31	1528	29	2931	30	949	28	966	31	10899	30	
								Strong emphasis	3705	26	1566	30	1656	17	487	15	597	19	8011	22
Sophomore	Valid N	6422	2188	5765	1420	1327	17122	Weak emphasis	61	1	20	1	43	1	16	1	12	1	152	1
	Mean	5.46	5.56	5.31	5.07	5.30	5.38	2	143	2	40	2	113	2	41	3	22	2	359	2
	Std Dev	1.34	1.33	1.28	1.33	1.30	1.32	3	351	5	105	5	341	6	117	8	76	6	990	6
	S.E.M.	0.02	0.03	0.02	0.04	0.04	0.01	4	833	13	292	13	909	16	257	18	232	17	2523	15
								5	1476	23	444	20	1523	26	408	29	355	27	4206	25
							6	1971	31	656	30	1790	31	387	27	362	27	5166	30	
								Strong emphasis	1587	25	631	29	1046	18	194	14	268	20	3726	22
Junior	Valid N	4829	2130	4859	1104	1801	14723	Weak emphasis	58	1	20	1	42	1	12	1	14	1	146	1
	Mean	5.31	5.49	5.24	5.13	5.33	5.30	2	129	3	48	2	126	3	49	4	38	2	390	3
	Std Dev	1.38	1.37	1.30	1.40	1.32	1.35	3	313	6	115	5	272	6	78	7	117	6	895	6
	S.E.M.	0.02	0.03	0.02	0.04	0.03	0.01	4	714	15	294	14	829	17	185	17	276	15	2298	16
								5	1202	25	465	22	1289	27	289	26	466	26	3711	25
							6	1365	28	576	27	1496	31	307	28	506	28	4250	29	
								Strong emphasis	1048	22	612	29	805	17	184	17	384	21	3033	21
Senior	Valid N	5814	1881	7047	1814	1651	18207	Weak emphasis	73	1	19	1	77	1	13	1	10	1	192	1
	Mean	5.33	5.23	5.20	5.26	5.37	5.26	2	176	3	73	4	200	3	39	2	35	2	523	3
	Std Dev	1.40	1.42	1.34	1.30	1.29	1.36	3	377	6	134	7	473	7	117	6	92	6	1193	7
	S.E.M.	0.02	0.03	0.02	0.03	0.03	0.01	4	825	14	303	16	1194	17	309	17	250	15	2881	16
								5	1354	23	436	23	1877	27	482	27	428	26	4577	25
							6	1722	30	529	28	2000	28	521	29	485	29	5257	29	
								Strong emphasis	1287	22	387	21	1226	17	333	18	351	21	3584	20
Total	Valid N	31592	11468	27309	7669	7902	85940	Weak emphasis	279	1	81	1	224	1	66	1	57	1	707	1
	Mean	5.45	5.51	5.26	5.16	5.34	5.36	2	680	2	238	2	634	2	222	3	146	2	1920	2
	Std Dev	1.32	1.34	1.29	1.32	1.28	1.32	3	1675	5	609	5	1570	6	537	7	443	6	4834	6
	S.E.M.	0.01	0.01	0.01	0.02	0.01	0.00	4	4188	13	1582	14	4593	17	1354	18	1255	16	12972	15
								5	7560	24	2473	22	7338	27	2128	28	2082	26	21581	25
							6	9583	30	3289	29	8217	30	2164	28	2319	29	25572	30	
								Strong emphasis	7627	24	3196	28	4733	17	1198	16	1600	20	18354	21

Env. Emphasis: Vocational (envvoc)

First-year	Valid N	14502	5268	9642	3335	3126	35873	Weak emphasis	383	3	103	2	148	2	170	5	66	2	870	2
	Mean	4.82	4.84	4.83	4.40	4.92	4.79	2	741	5	225	4	392	4	280	8	117	4	1755	5
	Std Dev	1.47	1.41	1.37	1.58	1.41	1.45	3	1373	9	499	9	882	9	441	13	267	9	3462	10
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	4	3043	21	1232	23	2371	25	760	23	689	22	8095	23
								5	3906	27	1394	26	2624	27	809	24	819	26	9552	27
							6	3250	22	1172	22	2142	22	587	18	755	24	7906	22	
								Strong emphasis	1806	12	643	12	1083	11	288	9	413	13	4233	12
Sophomore	Valid N	6419	2190	5766	1420	1328	17123	Weak emphasis	288	4	67	3	104	2	164	12	29	2	652	4
	Mean	4.62	4.65	4.86	3.69	4.92	4.65	2	473	7	130	6	262	5	239	17	54	4	1158	7
	Std Dev	1.61	1.49	1.41	1.69	1.43	1.55	3	721	11	237	11	559	10	247	17	104	8	1868	11
	S.E.M.	0.02	0.03	0.02	0.04	0.04	0.01	4	1295	20	545	25	1198	21	297	21	296	22	3631	21
								5	1556	24	536	24	1601	28	247	17	352	27	4292	25
							6	1307	20	440	20	1370	24	152	11	307	23	3576	21	
								Strong emphasis	779	12	235	11	672	12	74	5	186	14	1946	11
Junior	Valid N	4824	2126	4855	1105	1801	14711	Weak emphasis	266	6	109	5	142	3	152	14	23	1	692	5
	Mean	4.47	4.46	4.70	3.58	4.96	4.54	2	392	8	170	8	266	5	183	17	91	5	1102	7
	Std Dev	1.63	1.60	1.49	1.71	1.44	1.60	3	621	13	264	12	558	11	206	19	163	9	1812	12
	S.E.M.	0.02	0.03	0.02	0.05	0.03	0.01	4	989	21	483	23	1098	23	221	20	364	20	3155	21
								5	1160	24	496	23	1230	25	176	16	453	25	3515	24
							6	877	18	393	18	1013	21	110	10	438	24	2831	19	
								Strong emphasis	519	11	211	10	548	11	57	5	269	15	1604	11
Senior	Valid N	5807	1878	7042	1816	1652	18195	Weak emphasis	445	8	106	6	308	4	248	14	33	2	1140	6
	Mean	4.28	4.44	4.54	3.62	4.97	4.39	2	614	11	153	8	507	7	323	18	81	5	1678	9
	Std Dev	1.72	1.63	1.57	1.76	1.48	1.66	3	763	13	243	13	859	12	294	16	138	8	2297	13
	S.E.M.	0.02	0.04	0.02	0.04	0.04	0.01	4	1156	20	415	22	1561	22	369	20	332	20	3833	21
								5	1295	22	423	23	1716	24	278	15	407	25	4119	23
							6	958	16	347	18	1374	20	194	11	392	24	3265	18	
								Strong emphasis	576	10	191	10	717	10	110	6	269	16	1863	10
Total	Valid N	31552	11462	27305	7676	7907	85902	Weak emphasis	1382	4	385	3	702	3	734	10	151	2	3354	4
	Mean	4.62	4.67	4.74	3.97	4.94	4.64	2	2220	7	678	6	1427	5	1025	13	343	4	5693	7
	Std Dev	1.58	1.51	1.46	1.71	1.44	1.55	3	3478	11	1243	11	2858	10	1188	15	672	8	9439	11
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	4	6483	21	2675	23	6228	23	1647	21	1681	21	18714	22
								5	7917	25	2849	25	7171	26	1510	20	2031	26	21478	25
							6	6392	20	2352	21	5899	22	1043	14	1892	24	17578	20	



**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total			
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %		
<b>Relationships: Administrative personnel (envadm)</b>																					
First-year	Valid N	14530	5264	9648	3331	3127	35900	Rigid	426	3	160	3	199	2	79	2	42	1	906	3	
	Mean	4.82	4.83	4.95	5.06	5.21	4.91	2	804	6	263	5	421	4	134	4	100	3	1722	5	
	Std Dev	1.47	1.47	1.41	1.45	1.36	1.45	3	1263	9	441	8	739	8	245	7	191	6	2879	8	
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	4	2780	19	1094	21	1897	20	576	17	503	16	6850	19	
									5	3975	27	1396	27	2614	27	819	25	813	26	9617	27
									6	3710	26	1304	25	2601	27	974	29	946	30	9535	27
									Helpful	1572	11	606	12	1177	12	504	15	532	17	4391	12
	Sophomore	Valid N	6429	2194	5759	1419	1329	17130	Rigid	372	6	114	5	190	3	44	3	29	2	749	4
		Mean	4.53	4.54	4.81	4.94	5.07	4.70	2	511	8	179	8	322	6	77	5	58	4	1147	7
		Std Dev	1.61	1.59	1.50	1.52	1.49	1.56	3	685	11	220	10	520	9	113	8	113	9	1651	10
S.E.M.		0.02	0.03	0.02	0.04	0.04	0.01	4	1210	19	438	20	1062	18	241	17	219	16	3170	19	
									5	1618	25	571	26	1549	27	351	25	317	24	4406	26
									6	1496	23	478	22	1486	26	391	28	362	27	4213	25
									Helpful	537	8	194	9	630	11	202	14	231	17	1794	10
Junior		Valid N	4828	2128	4857	1107	1800	14720	Rigid	324	7	160	8	195	4	53	5	64	4	796	5
		Mean	4.45	4.43	4.71	4.83	5.07	4.64	2	440	9	189	9	322	7	71	6	71	4	1093	7
		Std Dev	1.66	1.69	1.54	1.63	1.52	1.62	3	516	11	208	10	466	10	89	8	118	7	1397	9
	S.E.M.	0.02	0.04	0.02	0.05	0.04	0.01	4	878	18	430	20	932	19	202	18	286	16	2728	19	
									5	1202	25	496	23	1254	26	229	21	443	25	3624	25
									6	1058	22	455	21	1191	25	310	28	518	29	3532	24
									Helpful	410	8	190	9	497	10	153	14	300	17	1550	11
	Senior	Valid N	5812	1884	7042	1814	1650	18202	Rigid	430	7	142	8	287	4	62	3	66	4	987	5
		Mean	4.33	4.38	4.83	4.93	5.04	4.65	2	619	11	192	10	463	7	111	6	80	5	1465	8
		Std Dev	1.69	1.71	1.58	1.58	1.59	1.65	3	657	11	211	11	611	9	153	8	125	8	1757	10
S.E.M.		0.02	0.04	0.02	0.04	0.04	0.01	4	1123	19	329	17	1152	16	293	16	250	15	3147	17	
									5	1314	23	451	24	1739	25	427	24	360	22	4291	24
									6	1221	21	399	21	1876	27	484	27	470	28	4450	24
									Helpful	448	8	160	8	914	13	284	16	299	18	2105	12
Total		Valid N	31599	11470	27306	7671	7906	85952	Rigid	1552	5	576	5	871	3	238	3	201	3	3438	4
		Mean	4.62	4.63	4.85	4.97	5.12	4.77	2	2374	8	823	7	1528	6	393	5	309	4	5427	6
		Std Dev	1.58	1.59	1.50	1.52	1.47	1.55	3	3121	10	1080	9	2336	9	600	8	547	7	7684	9
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	4	5991	19	2291	20	5043	18	1312	17	1258	16	15895	18	
									5	8109	26	2914	25	7156	26	1826	24	1933	24	21938	26
									6	7485	24	2636	23	7154	26	2159	28	2296	29	21730	25
									Helpful	2967	9	1150	10	3218	12	1143	15	1362	17	9840	11
	<b>Relationships: Faculty members (envfac)</b>																				
	First-year	Valid N	14528	5269	9652	3330	3132	35911	Remote	164	1	78	1	118	1	20	1	32	1	412	1
		Mean	5.24	5.20	5.19	5.65	5.45	5.28	2	428	3	158	3	296	3	37	1	71	2	990	3
Std Dev		1.32	1.37	1.35	1.20	1.30	1.33	3	847	6	328	6	606	6	119	4	131	4	2031	6	
S.E.M.		0.01	0.02	0.01	0.02	0.02	0.01	4	2191	15	905	17	1645	17	356	11	444	14	5541	15	
									5	3902	27	1296	25	2476	26	721	22	698	22	9093	25
									6	4680	32	1624	31	2940	30	1212	36	1062	34	11518	32
									Approachable	2316	16	880	17	1571	16	865	26	694	22	6326	18
Sophomore		Valid N	6434	2194	5765	1420	1330	17143	Remote	106	2	40	2	72	1	5	0	14	1	237	1
		Mean	5.11	5.15	5.21	5.84	5.45	5.24	2	247	4	80	4	167	3	12	1	26	2	532	3
		Std Dev	1.38	1.38	1.34	1.09	1.33	1.36	3	469	7	132	6	371	6	38	3	79	6	1089	6
	S.E.M.	0.02	0.03	0.02	0.03	0.04	0.01	4	994	15	358	16	901	16	93	7	165	12	2511	15	
									5	1683	26	563	26	1536	27	271	19	308	23	4361	25
									6	2045	32	699	32	1792	31	584	41	424	32	5544	32
									Approachable	890	14	322	15	926	16	417	29	314	24	2869	17
	Junior	Valid N	4834	2128	4856	1107	1802	14727	Remote	108	2	33	2	52	1	4	0	12	1	209	1
		Mean	5.11	5.25	5.26	5.88	5.63	5.30	2	202	4	60	3	141	3	11	1	27	1	441	3
		Std Dev	1.45	1.38	1.34	1.14	1.23	1.38	3	366	8	149	7	318	7	37	3	68	4	938	6
S.E.M.		0.02	0.03	0.02	0.03	0.03	0.01	4	718	15	311	15	719	15	67	6	195	11	2010	14	
									5	1192	25	501	24	1197	25	194	18	385	21	3469	24
									6	1498	31	685	32	1601	33	424	38	635	35	4843	33
									Approachable	750	16	389	18	828	17	370	33	480	27	2817	19
Senior		Valid N	5820	1883	7050	1818	1650	18221	Remote	135	2	30	2	86	1	8	0	21	1	280	2
		Mean	5.06	5.21	5.49	5.95	5.67	5.39	2	289	5	72	4	171	2	21	1	33	2	586	3
		Std Dev	1.47	1.43	1.32	1.12	1.30	1.39	3	433	7	143	8	316	4	37	2	59	4	988	5
	S.E.M.	0.02	0.03	0.02	0.03	0.03	0.01	4	891	15	258	14	801	11	114	6	150	9	2214	12	
									5	1417	24	439	23	1563	22	282	16	310	19	4011	22
									6	1785	31	598	32	2516	36	695	38	602	36	6196	34
									Approachable	870	15	343	18	1597	23	661	36	475	29	3946	22
	Total	Valid N	31616	11474	27323	7675	7914	86002	Remote	513	2	181	2	328	1	37	0	79	1	1138	1
		Mean	5.16	5.20	5.28	5.79	5.54	5.30	2	1166	4	370	3	775	3	81	1	157	2	2549	3
		Std Dev	1.38	1.38	1.34	1.16	1.30	1.36	3	2115	7	752	7	1611	6	231	3	337	4	5046	6
S.E.M.		0.01	0.01	0.01	0.01	0.01	0.00	4	4794	15	1832	16	4066	15	630	8	954	12	12276	14	
									5	8194	26	2799	24	6772	25	1468	19	1701	21	20934	24
									6	10008	32	3606	31	8849	32	2915	38	2723	34	28101	33

**Table 4-7. Individual Items**

		DRU		MA I &		Table Total		DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib			BA Gen	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %
<b>Gain: Vocational preparation (gnvoc)</b>																				
First-Year	Valid N	14509	5274	9659	3315	3129	35886	Very little	2014	14	684	13	1286	13	573	17	300	10	4857	14
	Mean	2.48	2.46	2.41	2.32	2.53	2.45	Some	5652	39	2161	41	4197	43	1439	43	1325	42	14774	41
	Std Dev	0.91	0.88	0.86	0.88	0.86	0.88	Quite a bit	4714	32	1744	33	3074	32	968	29	1034	33	11534	32
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very much	2129	15	685	13	1102	11	335	10	470	15	4721	13
Sophomore	Valid N	6416	2184	5747	1415	1333	17095	Very little	619	10	226	10	391	7	307	22	68	5	1611	9
	Mean	2.70	2.60	2.68	2.28	2.85	2.66	Some	2074	32	784	36	2014	35	556	39	379	28	5807	34
	Std Dev	0.91	0.89	0.83	0.92	0.84	0.89	Quite a bit	2340	36	803	37	2374	41	404	29	574	43	6495	38
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1383	22	371	17	968	17	148	10	312	23	3182	19
Junior	Valid N	4826	2128	4863	1105	1796	14718	Very little	424	9	214	10	232	5	225	20	61	3	1156	8
	Mean	2.79	2.68	2.86	2.36	2.95	2.78	Some	1390	29	690	32	1373	28	414	37	452	25	4319	29
	Std Dev	0.92	0.91	0.83	0.96	0.81	0.89	Quite a bit	1796	37	782	37	2103	43	305	28	801	45	5787	39
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very much	1216	25	442	21	1155	24	161	15	482	27	3456	23
Senior	Valid N	5808	1876	7046	1816	1652	18198	Very little	564	10	271	14	391	6	330	18	51	3	1607	9
	Mean	2.81	2.66	2.95	2.44	3.11	2.84	Some	1542	27	518	28	1671	24	665	37	314	19	4710	26
	Std Dev	0.94	0.98	0.87	0.97	0.81	0.93	Quite a bit	2142	37	668	36	2914	41	513	28	689	42	6926	38
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1560	27	419	22	2070	29	308	17	598	36	4955	27
Table Total	Valid N	31559	11462	27315	7651	7910	85897	Very little	3621	11	1395	12	2300	8	1435	19	480	6	9231	11
	Mean	2.63	2.56	2.69	2.35	2.80	2.63	Some	10658	34	4153	36	9255	34	3074	40	2470	31	29610	34
	Std Dev	0.93	0.91	0.88	0.92	0.87	0.91	Quite a bit	10992	35	3997	35	10465	38	2190	29	3098	39	30742	36
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	6288	20	1917	17	5295	19	952	12	1862	24	16314	19

**Gain: Skills for professional career (gnspec)**

First-Year	Valid N	14498	5271	9649	3309	3129	35856	Very little	1129	8	534	10	1128	12	264	8	292	9	3347	9
	Mean	2.69	2.56	2.44	2.69	2.54	2.59	Some	5027	35	2023	38	4148	43	1127	34	1267	40	13592	38
	Std Dev	0.87	0.86	0.83	0.86	0.83	0.86	Quite a bit	5576	38	1948	37	3356	35	1302	39	1166	37	13348	37
	S.E.M.	0.01	0.01	0.01	0.02	0.01	0.00	Very much	2766	19	766	15	1017	11	616	19	404	13	5569	16
Sophomore	Valid N	6413	2181	5740	1413	1329	17076	Very little	264	4	164	8	387	7	48	3	82	6	945	6
	Mean	2.98	2.75	2.65	3.08	2.72	2.83	Some	1540	24	643	29	2087	36	289	20	450	34	5009	29
	Std Dev	0.84	0.86	0.81	0.83	0.83	0.85	Quite a bit	2689	42	939	43	2416	42	574	41	559	42	7177	42
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1920	30	435	20	850	15	502	36	238	18	3945	23
Junior	Valid N	4825	2126	4862	1107	1794	14714	Very little	193	4	149	7	249	5	26	2	70	4	687	5
	Mean	3.02	2.86	2.79	3.22	2.89	2.92	Some	1111	23	547	26	1485	31	176	16	481	27	3800	26
	Std Dev	0.85	0.88	0.81	0.79	0.80	0.84	Quite a bit	1949	40	879	41	2174	45	433	39	821	46	6256	43
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1572	33	551	26	954	20	472	43	422	24	3971	27
Senior	Valid N	5802	1875	7039	1813	1650	18179	Very little	226	4	174	9	334	5	41	2	58	4	833	5
	Mean	3.02	2.76	2.91	3.19	2.98	2.96	Some	1310	23	548	29	1767	25	323	18	368	22	4316	24
	Std Dev	0.84	0.91	0.83	0.80	0.80	0.84	Quite a bit	2396	41	716	38	3153	45	706	39	766	46	7737	43
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1870	32	437	23	1785	25	743	41	458	28	5293	29
Table Total	Valid N	31538	11453	27290	7642	7902	85825	Very little	1812	6	1021	9	2098	8	379	5	502	6	5812	7
	Mean	2.86	2.68	2.67	2.96	2.74	2.77	Some	8988	28	3761	33	9487	35	1915	25	2566	32	26717	31
	Std Dev	0.87	0.88	0.84	0.87	0.84	0.87	Quite a bit	12610	40	4482	39	11099	41	3015	39	3312	42	34518	40
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very much	8128	26	2189	19	4606	17	2333	31	1522	19	18778	22

**Gain: Broad general education (gngenled)**

First-Year	Valid N	14490	5256	9636	3313	3118	35813	Very little	591	4	228	4	452	5	80	2	140	4	1491	4
	Mean	2.90	2.83	2.74	3.06	2.77	2.85	Some	3799	26	1604	31	3198	33	709	21	983	32	10293	29
	Std Dev	0.81	0.82	0.78	0.80	0.79	0.81	Quite a bit	6602	46	2259	43	4401	46	1446	44	1437	46	16145	45
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	3498	24	1165	22	1585	16	1078	33	558	18	7884	22
Sophomore	Valid N	6412	2180	5740	1414	1332	17078	Very little	271	4	127	6	213	4	16	1	51	4	678	4
	Mean	2.93	2.88	2.84	3.27	2.82	2.91	Some	1640	26	570	26	1617	28	198	14	403	30	4428	26
	Std Dev	0.83	0.86	0.77	0.74	0.79	0.81	Quite a bit	2789	43	917	42	2789	49	593	42	616	46	7704	45
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1712	27	566	26	1121	20	607	43	262	20	4268	25
Junior	Valid N	4824	2125	4853	1106	1793	14701	Very little	193	4	111	5	160	3	15	1	39	2	518	4
	Mean	2.92	2.87	2.84	3.24	2.90	2.91	Some	1257	26	578	27	1454	30	176	16	504	28	3969	27
	Std Dev	0.82	0.84	0.78	0.76	0.76	0.81	Quite a bit	2133	44	910	43	2238	46	443	40	856	48	6580	45
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1241	26	526	25	1001	21	472	43	394	22	3634	25
Senior	Valid N	5807	1874	7036	1815	1647	18179	Very little	270	5	132	7	198	3	16	1	30	2	646	4
	Mean	2.91	2.74	2.92	3.29	3.01	2.94	Some	1520	26	594	32	1860	26	253	14	382	23	4609	25
	Std Dev	0.84	0.85	0.78	0.73	0.76	0.81	Quite a bit	2503	43	786	42	3299	47	732	40	783	48	8103	45
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1514	26	362	19	1679	24	814	45	452	27	4821	27
Table Total	Valid N	31533	11435	27265	7648	7890	85771	Very little	1325	4	598	5	1023	4	127	2	260	3	3333	4
	Mean	2.91	2.83	2.82	3.18	2.86	2.89	Some	8216	26	3346	29	8129	30	1336	17	2272	29	23299	27
	Std Dev	0.82	0.84	0.78	0.77	0.78	0.81	Quite a bit	14027	44	4872	43	12727	47	3214	42	3692	47	38532	45
	S.E.M.	0.00	0.01	0.00	0.01	0.01	0.00	Very much	7965	25	2619	23	5386	20	2971	39	1666	21	20607	24

**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Gain: Career information (gncareer)</b>																				
First-Year	Valid N	14470	5052	9616	3307	3109	35554	Very little	869	6	400	8	703	7	176	5	156	5	2304	6
	Mean	2.79	2.68	2.66	2.78	2.78	2.74	Some	4434	31	1714	34	3425	36	1074	32	971	31	11618	33
	Std Dev	0.85	0.86	0.83	0.83	0.81	0.84	Quite a bit	6069	42	2040	40	3926	41	1372	41	1385	45	14792	42
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	3098	21	898	18	1562	16	685	21	597	19	6840	19
Sophomore	Valid N	6406	2180	5726	1413	1329	17054	Very little	262	4	154	7	227	4	56	4	46	3	745	4
	Mean	2.94	2.78	2.87	2.89	2.97	2.90	Some	1571	25	648	30	1573	27	399	28	296	22	4487	26
	Std Dev	0.82	0.87	0.80	0.83	0.79	0.82	Quite a bit	2846	44	901	41	2644	46	601	43	642	48	7634	45
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1727	27	477	22	1282	22	357	25	345	26	4188	25
Junior	Valid N	4812	2120	4839	1106	1783	14660	Very little	177	4	135	6	146	3	60	5	27	2	545	4
	Mean	3.00	2.83	2.99	2.92	3.09	2.98	Some	1074	22	607	29	1089	23	279	25	320	18	3369	23
	Std Dev	0.82	0.87	0.79	0.87	0.73	0.81	Quite a bit	2146	45	851	40	2279	47	451	41	895	50	6622	45
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very much	1415	29	527	25	1325	27	316	29	541	30	4124	28
Senior	Valid N	5800	1871	7020	1811	1645	18147	Very little	304	5	200	11	214	3	98	5	26	2	842	5
	Mean	2.97	2.78	3.05	2.93	3.17	3.00	Some	1292	22	472	25	1406	20	463	26	268	16	3901	21
	Std Dev	0.86	0.94	0.79	0.87	0.75	0.84	Quite a bit	2465	43	730	39	3220	46	721	40	750	46	7886	43
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1739	30	469	25	2180	31	529	29	601	37	5518	30
Table Total	Valid N	31488	11223	27201	7637	7866	85415	Very little	1612	5	889	8	1290	5	390	5	255	3	4436	5
	Mean	2.89	2.75	2.86	2.85	2.96	2.86	Some	8371	27	3441	31	7493	28	2215	29	1855	24	23375	27
	Std Dev	0.84	0.88	0.82	0.85	0.79	0.84	Quite a bit	13526	43	4522	40	12069	44	3145	41	3672	47	36934	43
	S.E.M.	0.00	0.01	0.00	0.01	0.01	0.00	Very much	7979	25	2371	21	6349	23	1887	25	2084	26	20670	24

**Gain: Enjoyment of art, music, drama (gnarts)**

First-Year	Valid N	14483	5262	9631	3312	3121	35809	Very little	4008	28	1331	25	2737	28	575	17	1070	34	9721	27
	Mean	2.23	2.28	2.18	2.50	2.07	2.23	Some	5159	36	1908	36	3576	37	1159	35	1107	35	12909	36
	Std Dev	1.00	1.00	0.98	1.00	0.99	1.00	Quite a bit	3345	23	1266	24	2119	22	925	28	588	19	8243	23
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very much	1971	14	757	14	1199	12	653	20	356	11	4936	14
Sophomore	Valid N	6409	2177	5737	1411	1329	17063	Very little	1700	27	418	19	1259	22	162	11	438	33	3977	23
	Mean	2.26	2.44	2.29	2.73	2.09	2.32	Some	2314	36	764	35	2334	41	449	32	481	36	6342	37
	Std Dev	1.01	0.99	0.96	0.99	0.98	1.00	Quite a bit	1438	22	624	29	1349	24	412	29	267	20	4090	24
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very much	957	15	371	17	795	14	388	27	143	11	2654	16
Junior	Valid N	4818	2123	4849	1107	1792	14689	Very little	1283	27	420	20	1327	27	147	13	489	27	3666	25
	Mean	2.24	2.40	2.16	2.65	2.21	2.27	Some	1809	38	788	37	1990	41	370	33	659	37	5616	38
	Std Dev	1.01	0.98	0.96	1.00	0.98	0.99	Quite a bit	990	21	565	27	952	20	312	28	424	24	3243	22
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very much	736	15	350	16	580	12	278	25	220	12	2164	15
Senior	Valid N	5802	1873	7033	1812	1649	18169	Very little	1664	29	391	21	1797	26	190	10	418	25	4460	25
	Mean	2.20	2.44	2.24	2.69	2.22	2.29	Some	2130	37	644	34	2748	39	627	35	676	41	6825	38
	Std Dev	1.01	1.03	0.99	0.96	0.98	1.01	Quite a bit	1175	20	467	25	1458	21	544	30	322	20	3966	22
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	833	14	371	20	1030	15	451	25	233	14	2918	16
Table Total	Valid N	31512	11435	27250	7642	7891	85730	Very little	8655	27	2560	22	7120	26	1074	14	2415	31	21824	25
	Mean	2.23	2.36	2.22	2.61	2.14	2.27	Some	11412	36	4104	36	10648	39	2605	34	2923	37	31692	37
	Std Dev	1.01	1.00	0.98	0.99	0.99	1.00	Quite a bit	6948	22	2922	26	5878	22	2193	29	1601	20	19542	23
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	4497	14	1849	16	3604	13	1770	23	952	12	12672	15

**Gain: Acquaintance with literature (gnlit)**

First-Year	Valid N	14487	5260	9618	3306	3120	35791	Very little	3586	25	1073	20	2324	24	492	15	755	24	8230	23
	Mean	2.23	2.31	2.17	2.50	2.22	2.25	Some	5616	39	2116	40	4152	43	1219	37	1259	40	14362	40
	Std Dev	0.95	0.93	0.89	0.94	0.93	0.93	Quite a bit	3645	25	1443	27	2360	25	1035	31	769	25	9252	26
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very much	1640	11	628	12	782	8	560	17	337	11	3947	11
Sophomore	Valid N	6409	2177	5734	1413	1327	17060	Very little	1660	26	356	16	1128	20	182	13	378	28	3704	22
	Mean	2.23	2.43	2.29	2.63	2.13	2.30	Some	2421	38	850	39	2445	43	481	34	515	39	6712	39
	Std Dev	0.97	0.94	0.90	0.98	0.93	0.95	Quite a bit	1514	24	643	30	1532	27	421	30	314	24	4424	26
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very much	814	13	328	15	629	11	329	23	120	9	2220	13
Junior	Valid N	4821	2121	4845	1106	1793	14686	Very little	1276	26	378	18	1116	23	164	15	402	22	3336	23
	Mean	2.23	2.41	2.22	2.56	2.26	2.28	Some	1804	37	810	38	2048	42	400	36	728	41	5790	39
	Std Dev	0.99	0.95	0.92	0.99	0.94	0.96	Quite a bit	1097	23	610	29	1164	24	298	27	449	25	3618	25
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very much	644	13	323	15	517	11	244	22	214	12	1942	13
Senior	Valid N	5799	1872	7025	1813	1647	18156	Very little	1508	26	375	20	1498	21	195	11	369	22	3945	22
	Mean	2.25	2.42	2.29	2.72	2.30	2.33	Some	2203	38	645	34	2872	41	603	33	650	39	6973	38
	Std Dev	1.00	0.99	0.94	0.98	0.97	0.98	Quite a bit	1231	21	534	29	1768	25	522	29	400	24	4455	25
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	857	15	318	17	887	13	493	27	228	14	2783	15
Table Total	Valid N	31516	11430	27222	7638	7887	85693	Very little	8030	25	2182	19	6066	22	1033	14	1904	24	19215	22
	Mean	2.23	2.37	2.23	2.59	2.23	2.28	Some	12044	38	4421	39	11517	42	2703	35	3152	40	33837	39
	Std Dev	0.97	0.95	0.91	0.97	0.94	0.95	Quite a bit	7487	24	3230	28	6824	25	2276	30	1932	24	21749	25
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	3955	13	1597	14	2815	10	1626	21	899	11	10892	13

**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Gain: Understanding history (gnhist)</b>																				
First-Year	Valid N	14480	5259	9630	3310	3120	35799	Very little	3132	22	1038	20	2124	22	515	16	635	20	7444	21
	Mean	2.33	2.34	2.26	2.52	2.29	2.33	Some	5382	37	2023	38	3824	40	1153	35	1296	42	13678	38
	Std Dev	0.96	0.93	0.92	0.96	0.92	0.94	Quite a bit	3987	28	1550	29	2706	28	1033	31	831	27	10107	28
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very much	1979	14	648	12	976	10	609	18	358	11	4570	13
Sophomore	Valid N	6408	2181	5738	1412	1327	17066	Very little	1375	21	352	16	907	16	165	12	250	19	3049	18
	Mean	2.38	2.46	2.40	2.75	2.37	2.43	Some	2263	35	795	36	2355	41	436	31	514	39	6363	37
	Std Dev	0.99	0.93	0.90	1.00	0.94	0.96	Quite a bit	1748	27	710	33	1744	30	405	29	387	29	4994	29
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very much	1022	16	324	15	732	13	406	29	176	13	2660	16
Junior	Valid N	4818	2122	4851	1105	1792	14688	Very little	974	20	307	14	843	17	126	11	276	15	2526	17
	Mean	2.43	2.50	2.37	2.74	2.44	2.44	Some	1677	35	810	38	1987	41	333	30	709	40	5516	38
	Std Dev	1.01	0.93	0.91	0.98	0.92	0.96	Quite a bit	1293	27	651	31	1404	29	349	32	544	30	4241	29
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very much	874	18	354	17	617	13	297	27	263	15	2405	16
Senior	Valid N	5807	1873	7034	1812	1648	18174	Very little	1150	20	302	16	1027	15	143	8	267	16	2889	16
	Mean	2.44	2.51	2.47	2.86	2.50	2.51	Some	2003	34	652	35	2764	39	525	29	592	36	6536	36
	Std Dev	1.01	0.96	0.92	0.94	0.97	0.97	Quite a bit	1576	27	584	31	2141	30	593	33	494	30	5388	30
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1078	19	335	18	1102	16	551	30	295	18	3361	18
Table Total	Valid N	31513	11435	27253	7639	7887	85727	Very little	6631	21	1999	17	4901	18	949	12	1428	18	15908	19
	Mean	2.38	2.42	2.37	2.68	2.38	2.41	Some	11325	36	4280	37	10930	40	2447	32	3111	39	32093	37
	Std Dev	0.98	0.94	0.92	0.98	0.94	0.96	Quite a bit	8604	27	3495	31	7995	29	2380	31	2256	29	24730	29
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	4953	16	1661	15	3427	13	1863	24	1092	14	12996	15

**Gain: Knowledge about world (gnworld)**

First-Year	Valid N	14485	5259	9630	3314	3115	35803	Very little	3679	25	1400	27	2777	29	552	17	930	30	9338	26
	Mean	2.23	2.18	2.11	2.46	2.07	2.20	Some	5534	38	2026	39	3825	40	1237	37	1289	41	13911	39
	Std Dev	0.96	0.94	0.92	0.96	0.91	0.95	Quite a bit	3584	25	1300	25	2216	23	970	29	642	21	8712	24
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very much	1688	12	533	10	812	8	555	17	254	8	3842	11
Sophomore	Valid N	6409	2182	5733	1414	1331	17069	Very little	1468	23	503	23	1272	22	143	10	393	30	3779	22
	Mean	2.30	2.25	2.21	2.67	2.15	2.28	Some	2411	38	878	40	2496	44	501	35	490	37	6776	40
	Std Dev	0.97	0.93	0.89	0.94	0.97	0.94	Quite a bit	1666	26	563	26	1452	25	446	32	305	23	4432	26
	S.E.M.	0.01	0.02	0.01	0.02	0.03	0.01	Very much	864	13	238	11	513	9	324	23	143	11	2082	12
Junior	Valid N	4819	2122	4846	1107	1793	14687	Very little	1099	23	488	23	1185	24	127	11	424	24	3323	23
	Mean	2.34	2.25	2.18	2.61	2.29	2.29	Some	1706	35	870	41	2084	43	419	38	672	37	5751	39
	Std Dev	1.00	0.94	0.92	0.95	0.98	0.96	Quite a bit	1270	26	513	24	1087	22	325	29	450	25	3645	25
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very much	744	15	251	12	490	10	236	21	247	14	1968	13
Senior	Valid N	5802	1874	7037	1811	1649	18173	Very little	1290	22	429	23	1646	23	152	8	339	21	3856	21
	Mean	2.35	2.27	2.24	2.74	2.38	2.34	Some	2104	36	739	39	2857	41	631	35	613	37	6944	38
	Std Dev	1.00	0.94	0.94	0.94	0.98	0.97	Quite a bit	1475	25	485	26	1700	24	562	31	435	26	4657	26
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	933	16	221	12	834	12	466	26	262	16	2716	15
Table Total	Valid N	31515	11437	27246	7646	7888	85732	Very little	7536	24	2820	25	6880	25	974	13	2086	26	20296	24
	Mean	2.28	2.22	2.18	2.59	2.20	2.26	Some	11755	37	4513	39	11262	41	2788	36	3064	39	33382	39
	Std Dev	0.97	0.94	0.92	0.95	0.96	0.96	Quite a bit	7995	25	2861	25	6455	24	2303	30	1832	23	21446	25
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	4229	13	1243	11	2649	10	1581	21	906	11	10608	12

**Gain: Writing effectively (gnwrite)**

First-Year	Valid N	14457	5256	9592	3309	3107	35721	Very little	1051	7	255	5	642	7	133	4	133	4	2214	6
	Mean	2.80	2.91	2.75	2.94	2.90	2.83	Some	4075	28	1327	25	2917	30	852	26	804	26	9975	28
	Std Dev	0.87	0.84	0.84	0.83	0.82	0.85	Quite a bit	5990	41	2292	44	4190	44	1395	42	1408	45	15275	43
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	3341	23	1382	26	1843	19	929	28	762	25	8257	23
Sophomore	Valid N	6406	2180	5725	1411	1328	17050	Very little	567	9	168	8	299	5	61	4	79	6	1174	7
	Mean	2.76	2.77	2.79	2.98	2.83	2.80	Some	1884	29	644	30	1727	30	364	26	369	28	4988	29
	Std Dev	0.90	0.88	0.82	0.87	0.84	0.87	Quite a bit	2501	39	882	40	2548	45	526	37	580	44	7037	41
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1454	23	486	22	1151	20	460	33	300	23	3851	23
Junior	Valid N	4813	2123	4829	1103	1793	14661	Very little	378	8	161	8	262	5	44	4	83	5	928	6
	Mean	2.82	2.80	2.84	3.11	2.89	2.86	Some	1350	28	602	28	1333	28	208	19	465	26	3958	27
	Std Dev	0.91	0.88	0.83	0.84	0.82	0.87	Quite a bit	1827	38	864	41	2132	44	438	40	819	46	6080	41
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very much	1258	26	496	23	1102	23	413	37	426	24	3695	25
Senior	Valid N	5794	1870	7025	1810	1641	18140	Very little	404	7	171	9	344	5	30	2	48	3	997	5
	Mean	2.89	2.73	2.94	3.30	3.04	2.95	Some	1476	25	562	30	1653	24	251	14	348	21	4290	24
	Std Dev	0.89	0.90	0.84	0.77	0.80	0.86	Quite a bit	2294	40	731	39	3114	44	683	38	735	45	7557	42
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1620	28	406	22	1914	27	846	47	510	31	5296	29
Table Total	Valid N	31470	11429	27171	7633	7869	85572	Very little	2400	8	755	7	1547	6	268	4	343	4	5313	6
	Mean	2.81	2.84	2.83	3.06	2.91	2.85	Some	8785	28	3135	27	7630	28	1675	22	1986	25	23211	27
	Std Dev	0.89	0.87	0.84	0.84	0.82	0.86	Quite a bit	12612	40	4769	42	11984	44	3042	40	3542	45	35949	42
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	7673	24	2770	24	6010	22	2648	35	1998	25	21099	25



**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Gain: Speaking effectively (gnspeak)</b>																				
First-Year	Valid N	14459	5259	9623	3311	3112	35764	Very little	1291	9	462	9	911	9	209	6	183	6	3056	9
	Mean	2.67	2.70	2.61	2.76	2.72	2.67	Some	4834	33	1709	32	3391	35	1050	32	1076	35	12060	34
	Std Dev	0.88	0.89	0.85	0.85	0.83	0.87	Quite a bit	5682	39	2042	39	3875	40	1379	42	1279	41	14257	40
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	2652	18	1046	20	1446	15	673	20	574	18	6391	18
Sophomore	Valid N	6397	2180	5732	1412	1329	17050	Very little	547	9	209	10	345	6	72	5	70	5	1243	7
	Mean	2.74	2.71	2.74	2.83	2.79	2.75	Some	1932	30	655	30	1829	32	449	32	394	30	5259	31
	Std Dev	0.88	0.89	0.82	0.86	0.81	0.86	Quite a bit	2586	40	886	41	2513	44	539	38	607	46	7131	42
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1332	21	430	20	1045	18	352	25	258	19	3417	20
Junior	Valid N	4812	2120	4846	1107	1794	14679	Very little	345	7	163	8	204	4	54	5	59	3	825	6
	Mean	2.82	2.83	2.85	2.99	2.93	2.86	Some	1300	27	548	26	1362	28	249	22	437	24	3896	27
	Std Dev	0.87	0.88	0.80	0.85	0.78	0.84	Quite a bit	2032	42	899	42	2248	46	462	42	863	48	6504	44
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very much	1135	24	510	24	1032	21	342	31	435	24	3454	24
Senior	Valid N	5794	1872	7026	1813	1649	18154	Very little	320	6	192	10	213	3	43	2	32	2	800	4
	Mean	2.90	2.74	3.01	3.17	3.08	2.97	Some	1455	25	508	27	1520	22	328	18	324	20	4135	23
	Std Dev	0.85	0.91	0.79	0.80	0.77	0.83	Quite a bit	2479	43	765	41	3280	47	720	40	765	46	8009	44
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1540	27	407	22	2013	29	722	40	528	32	5210	29
Table Total	Valid N	31462	11431	27227	7643	7884	85647	Very little	2503	8	1026	9	1673	6	378	5	344	4	5924	7
	Mean	2.75	2.73	2.78	2.90	2.86	2.78	Some	9521	30	3420	30	8102	30	2076	27	2231	28	25350	30
	Std Dev	0.88	0.89	0.84	0.86	0.82	0.86	Quite a bit	12779	41	4592	40	11916	44	3100	41	3514	45	35901	42
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very much	6659	21	2393	21	5536	20	2089	27	1795	23	18472	22

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**Gain: Using computers, other info tech (gncmpts)**

First-Year	Valid N	14457	5255	9613	3311	3112	35748	Very little	858	6	267	5	655	7	255	8	164	5	2199	6
	Mean	3.01	3.05	2.87	2.80	2.98	2.96	Some	3277	23	1192	23	2612	27	1012	31	754	24	8847	25
	Std Dev	0.91	0.90	0.90	0.91	0.88	0.90	Quite a bit	5161	36	1815	35	3707	39	1193	36	1187	38	13063	37
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very much	5161	36	1981	38	2639	27	851	26	1007	32	11639	33
Sophomore	Valid N	6405	2178	5731	1414	1330	17058	Very little	318	5	147	7	295	5	97	7	60	5	917	5
	Mean	3.07	3.02	2.97	2.74	3.06	3.00	Some	1340	21	460	21	1374	24	494	35	285	21	3953	23
	Std Dev	0.89	0.92	0.87	0.88	0.87	0.89	Quite a bit	2293	36	772	35	2288	40	505	36	506	38	6364	37
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	2454	38	799	37	1774	31	318	22	479	36	5824	34
Junior	Valid N	4811	2122	4846	1106	1791	14676	Very little	225	5	131	6	250	5	72	7	70	4	748	5
	Mean	3.09	3.07	3.00	2.89	3.07	3.04	Some	1005	21	433	20	1102	23	306	28	359	20	3205	22
	Std Dev	0.88	0.92	0.87	0.91	0.84	0.88	Quite a bit	1682	35	722	34	1916	40	400	36	737	41	5457	37
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very much	1899	39	836	39	1578	33	328	30	625	35	5266	36
Senior	Valid N	5799	1873	7028	1811	1644	18155	Very little	222	4	152	8	333	5	63	3	37	2	807	4
	Mean	3.18	2.97	3.08	3.00	3.23	3.11	Some	1041	18	385	21	1417	20	460	25	266	16	3569	20
	Std Dev	0.86	0.93	0.87	0.84	0.80	0.87	Quite a bit	2019	35	700	37	2642	38	709	39	618	38	6688	37
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	2517	43	636	34	2636	38	579	32	723	44	7091	39
Table Total	Valid N	31472	11428	27218	7642	7877	85637	Very little	1623	5	697	6	1533	6	487	6	331	4	4671	5
	Mean	3.07	3.03	2.97	2.85	3.06	3.01	Some	6663	21	2470	22	6505	24	2272	30	1664	21	19574	23
	Std Dev	0.89	0.91	0.88	0.89	0.86	0.89	Quite a bit	11155	35	4009	35	10553	39	2807	37	3048	39	31572	37
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	12031	38	4252	37	8627	32	2076	27	2834	36	29820	35

**Gain: Awareness of other philosophies (gnphils)**

First-Year	Valid N	14470	5265	9626	3310	3115	35786	Very little	1380	10	617	12	1145	12	178	5	418	13	3738	10
	Mean	2.67	2.55	2.49	2.86	2.47	2.60	Some	4951	34	1989	38	3952	41	969	29	1244	40	13105	37
	Std Dev	0.90	0.90	0.87	0.87	0.89	0.90	Quite a bit	5248	36	1794	34	3212	33	1285	39	1018	33	12557	35
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very much	2891	20	865	16	1317	14	878	27	435	14	6386	18
Sophomore	Valid N	6403	2179	5731	1414	1330	17057	Very little	551	9	250	11	554	10	41	3	166	12	1562	9
	Mean	2.70	2.57	2.57	3.06	2.52	2.66	Some	2164	34	794	36	2223	39	319	23	513	39	6013	35
	Std Dev	0.89	0.90	0.86	0.82	0.90	0.89	Quite a bit	2353	37	775	36	2078	36	572	40	439	33	6217	36
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1335	21	360	17	876	15	482	34	212	16	3265	19
Junior	Valid N	4814	2124	4842	1107	1794	14681	Very little	450	9	269	13	476	10	33	3	159	9	1387	9
	Mean	2.71	2.56	2.57	3.01	2.70	2.66	Some	1581	33	749	35	1893	39	284	26	590	33	5097	35
	Std Dev	0.92	0.92	0.87	0.84	0.89	0.90	Quite a bit	1695	35	744	35	1712	35	432	39	680	38	5263	36
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very much	1088	23	362	17	761	16	358	32	365	20	2934	20
Senior	Valid N	5793	1871	7036	1810	1647	18157	Very little	535	9	249	13	615	9	46	3	124	8	1569	9
	Mean	2.71	2.59	2.66	3.11	2.74	2.72	Some	1900	33	625	33	2527	36	368	20	545	33	5965	33
	Std Dev	0.91	0.94	0.88	0.81	0.89	0.90	Quite a bit	2080	36	640	34	2554	36	735	41	611	37	6620	36
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1278	22	357	19	1340	19	661	37	367	22	4003	22
Table Total	Valid N	31480	11439	27235	7641	7886	85681	Very little	2916	9	1385	12	2790	10	298	4	867	11	8256	10
	Mean	2.69	2.56	2.56	2.98	2.59	2.65	Some	10596	34	4157	36	10595	39	1940	25	2892	37	30180	35
	Std Dev	0.90	0.91	0.88	0.85	0.90	0.90	Quite a bit	11376	36	3953	35	9556	35	3024	40	2748	35	30657	36
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	6592	21	1944	17	4294	16	2379	31	1379	17	16588	19

**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Gain: Values and ethical standards (gnvalues)</b>																				
First-Year	Valid N	14466	5261	9620	3313	3113	35773	Very little	1043	7	474	9	848	9	181	5	237	8	2783	8
	Mean	2.89	2.78	2.73	2.97	2.78	2.83	Some	3696	26	1536	29	3020	31	797	24	971	31	10020	28
	Std Dev	0.91	0.92	0.90	0.88	0.90	0.91	Quite a bit	5536	38	1935	37	3615	38	1273	38	1149	37	13508	38
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very much	4191	29	1316	25	2137	22	1062	32	756	24	9462	26
Sophomore	Valid N	6402	2179	5731	1410	1327	17049	Very little	418	7	213	10	354	6	49	3	99	7	1133	7
	Mean	2.98	2.81	2.89	3.15	2.84	2.93	Some	1415	22	586	27	1488	26	244	17	353	27	4086	24
	Std Dev	0.90	0.95	0.88	0.83	0.89	0.90	Quite a bit	2464	38	783	36	2299	40	558	40	530	40	6634	39
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	2105	33	597	27	1590	28	559	40	345	26	5196	30
Junior	Valid N	4812	2125	4850	1105	1792	14684	Very little	309	6	219	10	338	7	44	4	108	6	1018	7
	Mean	3.01	2.84	2.89	3.18	2.94	2.95	Some	1022	21	524	25	1227	25	192	17	429	24	3394	23
	Std Dev	0.90	0.96	0.89	0.86	0.88	0.91	Quite a bit	1800	37	760	36	1929	40	386	35	717	40	5592	38
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very much	1681	35	622	29	1356	28	483	44	538	30	4680	32
Senior	Valid N	5798	1874	7032	1812	1648	18164	Very little	359	6	228	12	401	6	51	3	88	5	1127	6
	Mean	3.02	2.75	2.98	3.23	3.01	3.00	Some	1220	21	507	27	1609	23	311	17	369	22	4016	22
	Std Dev	0.90	0.98	0.88	0.83	0.88	0.90	Quite a bit	2188	38	643	34	2752	39	627	35	622	38	6832	38
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	2031	35	496	26	2270	32	823	45	569	35	6189	34
Table Total	Valid N	31478	11439	27233	7640	7880	85670	Very little	2129	7	1134	10	1941	7	325	4	532	7	6061	7
	Mean	2.95	2.79	2.86	3.10	2.88	2.91	Some	7353	23	3153	28	7344	27	1544	20	2122	27	21516	25
	Std Dev	0.91	0.95	0.90	0.86	0.90	0.91	Quite a bit	11988	38	4121	36	10595	39	2844	37	3018	38	32566	38
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	10008	32	3031	26	7353	27	2927	38	2208	28	25527	30

**Gain: Understanding self (gnself)**

First-Year	Valid N	14484	5266	9619	3308	3118	35795	Very little	456	3	236	4	383	4	83	3	105	3	1263	4
	Mean	3.09	3.01	2.99	3.10	3.05	3.05	Some	2805	19	1186	23	2143	22	630	19	667	21	7431	21
	Std Dev	0.81	0.85	0.82	0.79	0.82	0.82	Quite a bit	6212	43	2130	40	4245	44	1452	44	1315	42	15354	43
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	5011	35	1714	33	2848	30	1143	35	1031	33	11747	33
Sophomore	Valid N	6403	2179	5738	1412	1327	17059	Very little	172	3	169	8	181	3	25	2	36	3	583	3
	Mean	3.17	2.97	3.11	3.29	3.11	3.13	Some	1026	16	449	21	1002	17	177	13	252	19	2906	17
	Std Dev	0.79	0.92	0.80	0.75	0.80	0.81	Quite a bit	2715	42	836	38	2560	45	574	41	566	43	7251	43
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	2490	39	725	33	1995	35	636	45	473	36	6319	37
Junior	Valid N	4816	2124	4850	1105	1794	14689	Very little	126	3	148	7	162	3	18	2	42	2	496	3
	Mean	3.22	3.07	3.11	3.37	3.16	3.17	Some	683	14	357	17	861	18	119	11	301	17	2321	16
	Std Dev	0.78	0.90	0.81	0.74	0.78	0.81	Quite a bit	2013	42	823	39	2103	43	402	36	785	44	6126	42
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1994	41	796	37	1724	36	566	51	666	37	5746	39
Senior	Valid N	5800	1873	7026	1811	1646	18156	Very little	163	3	172	9	198	3	23	1	40	2	596	3
	Mean	3.25	2.90	3.19	3.39	3.18	3.20	Some	793	14	426	23	1094	16	160	9	252	15	2725	15
	Std Dev	0.79	0.95	0.80	0.70	0.78	0.81	Quite a bit	2271	39	695	37	2874	41	710	39	718	44	7268	40
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	2573	44	580	31	2860	41	918	51	636	39	7567	42
Table Total	Valid N	31503	11442	27233	7636	7885	85699	Very little	917	3	725	6	924	3	149	2	223	3	2938	3
	Mean	3.16	3.00	3.09	3.25	3.11	3.12	Some	5307	17	2418	21	5100	19	1086	14	1472	19	15383	18
	Std Dev	0.80	0.89	0.81	0.77	0.80	0.82	Quite a bit	13211	42	4484	39	11782	43	3138	41	3384	43	35999	42
	S.E.M.	0.00	0.01	0.00	0.01	0.01	0.00	Very much	12068	38	3815	33	9427	35	3263	43	2806	36	31379	37

**Gain: Getting along with others (gnothers)**

First-Year	Valid N	14472	5263	9622	3306	3116	35779	Very little	545	4	227	4	375	4	114	3	102	3	1363	4
	Mean	3.05	3.00	3.01	3.05	3.06	3.03	Some	2992	21	1178	22	2145	22	712	22	654	21	7681	21
	Std Dev	0.83	0.84	0.83	0.83	0.82	0.83	Quite a bit	6123	42	2220	42	4119	43	1378	42	1330	43	15170	42
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	4812	33	1638	31	2983	31	1102	33	1030	33	11565	32
Sophomore	Valid N	6397	2177	5731	1411	1330	17046	Very little	239	4	158	7	210	4	48	3	48	4	703	4
	Mean	3.09	2.92	3.04	3.09	3.07	3.05	Some	1211	19	492	23	1198	21	282	20	264	20	3447	20
	Std Dev	0.83	0.90	0.82	0.83	0.82	0.84	Quite a bit	2690	42	886	41	2451	43	582	41	569	43	7178	42
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	2257	35	641	29	1872	33	499	35	449	34	5718	34
Junior	Valid N	4818	2121	4848	1103	1792	14682	Very little	183	4	153	7	185	4	39	4	57	3	617	4
	Mean	3.09	2.96	3.05	3.10	3.09	3.06	Some	906	19	448	21	999	21	199	18	317	18	2869	20
	Std Dev	0.83	0.91	0.83	0.81	0.79	0.84	Quite a bit	2003	42	841	40	2064	43	482	44	827	46	6217	42
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1726	36	679	32	1600	33	383	35	591	33	4979	34
Senior	Valid N	5795	1873	7029	1809	1643	18149	Very little	227	4	191	10	246	3	46	3	46	3	756	4
	Mean	3.12	2.84	3.10	3.15	3.11	3.08	Some	1065	18	448	24	1321	19	324	18	312	19	3470	19
	Std Dev	0.84	0.95	0.82	0.80	0.80	0.84	Quite a bit	2302	40	706	38	2954	42	752	42	699	43	7413	41
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	2201	38	528	28	2508	36	687	38	586	36	6510	36
Table Total	Valid N	31482	11434	27230	7629	7881	85656	Very little	1194	4	729	6	1016	4	247	3	253	3	3439	4
	Mean	3.08	2.95	3.05	3.09	3.08	3.05	Some	6174	20	2566	22	5663	21	1517	20	1547	20	17467	20
	Std Dev	0.83	0.88	0.83	0.82	0.81	0.84	Quite a bit	13118	42	4653	41	11588	43	3194	42	3425	43	35978	42
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very much	10996	35	3486	30	8963	33	2671	35	2656	34	28772	34



**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Gain: Functioning as a team member (gnTEAM)</b>																				
First-Year	Valid N	14467	5257	9601	3303	3115	35743	Very little	1219	8	460	9	769	8	260	8	189	6	2897	8
	Mean	2.77	2.77	2.77	2.76	2.91	2.78	Some	4364	30	1588	30	2938	31	1058	32	828	27	10776	30
	Std Dev	0.91	0.92	0.90	0.90	0.89	0.91	Quite a bit	5430	38	1919	37	3665	38	1199	36	1169	38	13382	37
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very much	3454	24	1290	25	2229	23	786	24	929	30	8688	24
Sophomore	Valid N	6399	2177	5720	1412	1326	17034	Very little	483	8	188	9	303	5	107	8	67	5	1148	7
	Mean	2.84	2.80	2.91	2.78	2.98	2.86	Some	1811	28	644	30	1472	26	444	31	310	23	4681	27
	Std Dev	0.91	0.93	0.86	0.90	0.87	0.89	Quite a bit	2359	37	755	35	2389	42	515	36	531	40	6549	38
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1746	27	590	27	1556	27	346	25	418	32	4656	27
Junior	Valid N	4812	2123	4846	1105	1791	14677	Very little	347	7	144	7	212	4	69	6	62	3	834	6
	Mean	2.92	2.95	2.98	2.91	3.05	2.96	Some	1202	25	494	23	1166	24	296	27	367	20	3525	24
	Std Dev	0.92	0.91	0.85	0.90	0.82	0.88	Quite a bit	1772	37	809	38	1976	41	406	37	781	44	5744	39
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very much	1491	31	676	32	1492	31	334	30	581	32	4574	31
Senior	Valid N	5785	1869	7018	1807	1642	18121	Very little	322	6	134	7	218	3	76	4	44	3	794	4
	Mean	3.01	3.01	3.13	3.05	3.13	3.07	Some	1275	22	378	20	1292	18	393	22	301	18	3639	20
	Std Dev	0.89	0.92	0.82	0.86	0.80	0.86	Quite a bit	2190	38	691	37	2866	41	699	39	701	43	7147	39
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1998	35	666	36	2642	38	639	35	596	36	6541	36
Table Total	Valid N	31463	11426	27185	7627	7874	85575	Very little	2371	8	926	8	1502	6	512	7	362	5	5673	7
	Mean	2.85	2.85	2.93	2.85	3.00	2.89	Some	8652	27	3104	27	6868	25	2191	29	1806	23	22621	26
	Std Dev	0.91	0.92	0.87	0.90	0.86	0.90	Quite a bit	11751	37	4174	37	10896	40	2819	37	3182	40	32822	38
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	8689	28	3222	28	7919	29	2105	28	2524	32	24459	29
<b>Gain: Personal health habits and fitness (gnHEALTH)</b>																				
First-Year	Valid N	14468	5262	9610	3302	3111	35753	Very little	2660	18	828	16	1422	15	537	16	417	13	5864	16
	Mean	2.50	2.57	2.59	2.55	2.66	2.55	Some	4721	33	1691	32	3107	32	1093	33	950	31	11562	32
	Std Dev	1.00	0.99	0.98	0.99	0.98	0.99	Quite a bit	4294	30	1640	31	3039	32	998	30	1026	33	10997	31
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very much	2793	19	1103	21	2042	21	674	20	718	23	7330	21
Sophomore	Valid N	6402	2179	5729	1411	1326	17047	Very little	1312	20	334	15	739	13	313	22	206	16	2904	17
	Mean	2.46	2.59	2.66	2.36	2.58	2.55	Some	2051	32	689	32	1793	31	511	36	437	33	5481	32
	Std Dev	1.02	0.99	0.97	1.01	1.00	1.00	Quite a bit	1809	28	683	31	1878	33	348	25	387	29	5105	30
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very much	1230	19	473	22	1319	23	239	17	296	22	3557	21
Junior	Valid N	4814	2124	4838	1105	1792	14673	Very little	1010	21	314	15	755	16	254	23	278	16	2611	18
	Mean	2.43	2.59	2.55	2.38	2.60	2.51	Some	1622	34	687	32	1666	34	367	33	556	31	4898	33
	Std Dev	1.02	0.98	0.99	1.02	0.99	1.00	Quite a bit	1285	27	669	31	1417	29	290	26	569	32	4230	29
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very much	897	19	454	21	1000	21	194	18	389	22	2934	20
Senior	Valid N	5797	1870	7022	1810	1639	18138	Very little	1255	22	290	16	1227	17	347	19	283	17	3402	19
	Mean	2.41	2.59	2.55	2.45	2.53	2.50	Some	1960	34	580	31	2213	32	664	37	550	34	5967	33
	Std Dev	1.02	0.99	1.01	1.02	1.01	1.01	Quite a bit	1513	26	608	33	2106	30	434	24	466	28	5127	28
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1069	18	392	21	1476	21	365	20	340	21	3642	20
Table Total	Valid N	31481	11435	27199	7628	7868	85611	Very little	6237	20	1766	15	4143	15	1451	19	1184	15	14781	17
	Mean	2.47	2.58	2.59	2.47	2.60	2.53	Some	10354	33	3647	32	8779	32	2635	35	2493	32	27908	33
	Std Dev	1.01	0.99	0.99	1.01	0.99	1.00	Quite a bit	8901	28	3600	31	8440	31	2070	27	2448	31	25459	30
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	5989	19	2422	21	5837	21	1472	19	1743	22	17463	20
<b>Gain: Understanding science (gnSCI)</b>																				
First-Year	Valid N	14452	5250	9600	3308	3115	35725	Very little	3271	23	1323	25	2590	27	835	25	827	27	8846	25
	Mean	2.32	2.24	2.16	2.27	2.20	2.25	Some	5309	37	1984	38	3801	40	1186	36	1209	39	13489	38
	Std Dev	0.97	0.97	0.94	0.98	0.96	0.96	Quite a bit	3898	27	1297	25	2254	23	849	26	721	23	9019	25
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very much	1974	14	646	12	955	10	438	13	358	11	4371	12
Sophomore	Valid N	6399	2179	5723	1409	1326	17036	Very little	1142	18	381	17	1072	19	309	22	279	21	3183	19
	Mean	2.53	2.43	2.35	2.38	2.31	2.43	Some	2091	33	828	38	2350	41	501	36	530	40	6300	37
	Std Dev	1.01	0.96	0.93	1.01	0.95	0.98	Quite a bit	1816	28	622	29	1531	27	352	25	343	26	4664	27
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very much	1350	21	348	16	770	13	247	18	174	13	2889	17
Junior	Valid N	4813	2118	4845	1105	1792	14673	Very little	938	19	359	17	965	20	213	19	367	20	2842	19
	Mean	2.50	2.47	2.32	2.47	2.35	2.41	Some	1569	33	788	37	2010	41	391	35	689	38	5447	37
	Std Dev	1.03	0.97	0.94	1.03	0.96	0.99	Quite a bit	1285	27	594	28	1225	25	266	24	486	27	3856	26
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very much	1021	21	377	18	645	13	235	21	250	14	2528	17
Senior	Valid N	5791	1870	7022	1810	1640	18133	Very little	1054	18	287	15	1362	19	333	18	295	18	3331	18
	Mean	2.52	2.56	2.38	2.53	2.40	2.46	Some	1965	34	633	34	2766	39	627	35	662	40	6653	37
	Std Dev	1.03	0.99	0.98	1.05	0.96	1.00	Quite a bit	1502	26	560	30	1744	25	403	22	415	25	4624	26
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1270	22	390	21	1150	16	447	25	268	16	3525	19
Table Total	Valid N	31455	11417	27190	7632	7873	85567	Very little	6405	20	2350	21	5989	22	1690	22	1768	22	18202	21
	Mean	2.42	2.37	2.29	2.38	2.29	2.36	Some	10934	35	4233	37	10927	40	2705	35	3090	39	31889	37
	Std Dev	1.00	0.98	0.95	1.02	0.96	0.98	Quite a bit	8501	27	3073	27	6754	25	1870	25	1965	25	22163	26
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	5615	18	1761	15	3520	13	1367	18	1050	13	13313	16

**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Gain: Understanding new technology (gntech)</b>																				
First-Year	Valid N	14450	5246	9598	3304	3114	35712	Very little	3060	21	1216	23	2613	27	847	26	835	27	8571	24
	Mean	2.35	2.28	2.16	2.24	2.19	2.27	Some	5293	37	1970	38	3764	39	1229	37	1202	39	13458	38
	Std Dev	0.97	0.96	0.93	0.97	0.96	0.96	Quite a bit	4022	28	1410	27	2331	24	826	25	717	23	9306	26
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.01	Very much	2075	14	650	12	890	9	402	12	360	12	4377	12
Sophomore	Valid N	6394	2178	5724	1412	1327	17035	Very little	1006	16	358	16	1085	19	339	24	275	21	3063	18
	Mean	2.56	2.46	2.34	2.31	2.35	2.44	Some	2142	34	821	38	2382	42	511	36	496	37	6352	37
	Std Dev	0.99	0.95	0.93	1.00	0.96	0.97	Quite a bit	1888	30	641	29	1499	26	341	24	376	28	4745	28
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very much	1358	21	358	16	758	13	221	16	180	14	2875	17
Junior	Valid N	4807	2120	4840	1105	1789	14661	Very little	821	17	335	16	989	20	233	21	332	19	2710	18
	Mean	2.56	2.50	2.31	2.40	2.39	2.44	Some	1529	32	764	36	1969	41	418	38	678	38	5358	37
	Std Dev	1.02	0.96	0.94	1.03	0.95	0.98	Quite a bit	1389	29	645	30	1253	26	233	21	524	29	4044	28
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very much	1068	22	376	18	629	13	221	20	255	14	2549	17
Senior	Valid N	5788	1871	7019	1810	1640	18128	Very little	885	15	261	14	1321	19	339	19	257	16	3063	17
	Mean	2.60	2.59	2.43	2.47	2.47	2.51	Some	1892	33	612	33	2539	36	653	36	618	38	6314	35
	Std Dev	1.00	0.96	0.97	1.02	0.94	0.99	Quite a bit	1672	29	627	34	2007	29	442	24	497	30	5245	29
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1339	23	371	20	1152	16	376	21	268	16	3506	19
Table Total	Valid N	31439	11415	27181	7631	7870	85536	Very little	5772	18	2170	19	6008	22	1758	23	1699	22	17407	20
	Mean	2.47	2.41	2.29	2.33	2.32	2.38	Some	10856	35	4167	37	10654	39	2811	37	2994	38	31482	37
	Std Dev	0.99	0.96	0.95	1.00	0.96	0.98	Quite a bit	8971	29	3323	29	7090	26	1842	24	2114	27	23340	27
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	5840	19	1755	15	3429	13	1220	16	1063	14	13307	16
<b>Gain: Consequences of science, tech. (gnconsq)</b>																				
First-Year	Valid N	14461	5254	9605	3305	3112	35737	Very little	3153	22	1195	23	2388	25	752	23	759	24	8247	23
	Mean	2.30	2.28	2.20	2.28	2.24	2.26	Some	5631	39	2007	38	3838	40	1280	39	1226	39	13982	39
	Std Dev	0.95	0.94	0.93	0.94	0.95	0.94	Quite a bit	3879	27	1452	28	2430	25	884	27	752	24	9397	26
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very much	1798	12	600	11	949	10	389	12	375	12	4111	12
Sophomore	Valid N	6396	2176	5725	1410	1322	17029	Very little	1079	17	391	18	946	17	289	20	247	19	2952	17
	Mean	2.47	2.37	2.39	2.36	2.37	2.41	Some	2291	36	870	40	2366	41	538	38	522	39	6587	39
	Std Dev	0.96	0.92	0.91	0.97	0.94	0.94	Quite a bit	1948	30	644	30	1657	29	368	26	372	28	4989	29
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very much	1078	17	271	12	756	13	215	15	181	14	2501	15
Junior	Valid N	4809	2123	4834	1103	1791	14660	Very little	812	17	361	17	910	19	185	17	300	17	2568	18
	Mean	2.47	2.42	2.36	2.43	2.42	2.42	Some	1739	36	799	38	1911	40	439	40	693	39	5581	38
	Std Dev	0.96	0.93	0.93	0.95	0.93	0.94	Quite a bit	1434	30	674	32	1394	29	302	27	544	30	4348	30
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very much	824	17	289	14	619	13	177	16	254	14	2163	15
Senior	Valid N	5793	1867	7026	1813	1642	18141	Very little	928	16	316	17	1138	16	277	15	246	15	2905	16
	Mean	2.51	2.42	2.46	2.51	2.48	2.48	Some	2074	36	711	38	2623	37	672	37	610	37	6690	37
	Std Dev	0.97	0.93	0.95	0.96	0.93	0.95	Quite a bit	1723	30	583	31	2125	30	529	29	531	32	5491	30
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1068	18	257	14	1140	16	335	18	255	16	3055	17
Table Total	Valid N	31459	11420	27190	7631	7867	85567	Very little	5972	19	2263	20	5382	20	1503	20	1552	20	16672	19
	Mean	2.40	2.34	2.34	2.37	2.35	2.36	Some	11735	37	4387	38	10738	39	2929	38	3051	39	32840	38
	Std Dev	0.96	0.93	0.93	0.96	0.95	0.95	Quite a bit	8984	29	3353	29	7606	28	2083	27	2199	28	24225	28
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	4768	15	1417	12	3464	13	1116	15	1065	14	11830	14
<b>Gain: Thinking analytically (gnanaly)</b>																				
First-Year	Valid N	14444	5244	9563	3298	3105	35654	Very little	704	5	349	7	732	8	136	4	186	6	2107	6
	Mean	2.86	2.78	2.67	2.86	2.76	2.79	Some	4116	28	1613	31	3373	35	996	30	1011	33	11109	31
	Std Dev	0.84	0.87	0.85	0.83	0.84	0.85	Quite a bit	6073	42	2114	40	3805	40	1371	42	1271	41	14634	41
	S.E.M.	0.01	0.01	0.01	0.01	0.02	0.00	Very much	3551	25	1168	22	1653	17	795	24	637	21	7804	22
Sophomore	Valid N	6392	2176	5700	1409	1325	17002	Very little	247	4	122	6	271	5	43	3	64	5	747	4
	Mean	3.02	2.86	2.82	3.09	2.87	2.93	Some	1463	23	578	27	1733	30	300	21	379	29	4453	26
	Std Dev	0.84	0.84	0.82	0.83	0.85	0.84	Quite a bit	2578	40	953	44	2468	43	559	40	544	41	7102	42
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	2104	33	523	24	1228	22	507	36	338	26	4700	28
Junior	Valid N	4799	2118	4818	1104	1784	14623	Very little	173	4	99	5	247	5	22	2	66	4	607	4
	Mean	3.08	2.96	2.86	3.23	2.95	2.99	Some	990	21	524	25	1328	28	181	16	444	25	3467	24
	Std Dev	0.84	0.86	0.84	0.79	0.82	0.84	Quite a bit	1930	40	855	40	2079	43	417	38	782	44	6063	41
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1706	36	640	30	1164	24	484	44	492	28	4486	31
Senior	Valid N	5782	1866	7005	1809	1633	18095	Very little	190	3	139	7	277	4	26	1	58	4	690	4
	Mean	3.12	2.88	3.02	3.32	3.04	3.07	Some	1134	20	447	24	1536	22	256	14	336	21	3709	20
	Std Dev	0.83	0.89	0.83	0.77	0.82	0.84	Quite a bit	2263	39	775	42	2991	43	644	36	714	44	7387	41
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	2195	38	505	27	2201	31	883	49	525	32	6309	35
Table Total	Valid N	31417	11404	27086	7620	7847	85374	Very little	1314	4	709	6	1527	6	227	3	374	5	4151	5
	Mean	2.98	2.85	2.82	3.06	2.88	2.91	Some	7703	25	3162	28	7970	29	1733	23	2170	28	22738	27
	Std Dev	0.85	0.87	0.85	0.83	0.84	0.85	Quite a bit	12844	41	4697	41	11343	42	2991	39	3311	42	35186	41
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very much	9556	30	2836	25	6246	23	2669	35	1992	25	23299	27

**Table 4-7. Individual Items**

		DRU		MA I &			Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total		
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Gain: Analyzing quantitative problems (gnquant)</b>																				
First-Year	Valid N	14457	5256	9597	3302	3108	35720	Very little	2335	16	978	19	1902	20	665	20	630	20	6510	18
	Mean	2.49	2.37	2.31	2.37	2.36	2.40	Some	5175	36	2062	39	3885	40	1221	37	1161	37	13504	38
	Std Dev	0.96	0.93	0.91	0.96	0.96	0.94	Quite a bit	4495	31	1528	29	2747	29	932	28	871	28	10573	30
	S.E.M.	0.01	0.01	0.01	0.02	0.02	0.00	Very much	2452	17	688	13	1063	11	484	15	446	14	5133	14
Sophomore	Valid N	6385	2174	5731	1411	1326	17027	Very little	855	13	342	16	770	13	273	19	194	15	2434	14
	Mean	2.67	2.45	2.49	2.46	2.55	2.55	Some	1963	31	828	38	2258	39	496	35	453	34	5998	35
	Std Dev	0.99	0.92	0.90	1.02	0.95	0.96	Quite a bit	2016	32	689	32	1852	32	355	25	439	33	5351	31
	S.E.M.	0.01	0.02	0.01	0.03	0.03	0.01	Very much	1551	24	315	14	851	15	287	20	240	18	3244	19
Junior	Valid N	4811	2121	4841	1106	1787	14666	Very little	642	13	348	16	725	15	176	16	238	13	2129	15
	Mean	2.68	2.50	2.49	2.57	2.59	2.57	Some	1457	30	757	36	1819	38	378	34	597	33	5008	34
	Std Dev	0.99	0.97	0.93	1.01	0.94	0.97	Quite a bit	1504	31	629	30	1517	31	299	27	619	35	4568	31
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very much	1208	25	387	18	780	16	253	23	333	19	2961	20
Senior	Valid N	5784	1869	7018	1810	1641	18122	Very little	785	14	296	16	891	13	270	15	195	12	2437	13
	Mean	2.68	2.42	2.46	2.66	2.64	2.62	Some	1809	31	688	37	2345	33	552	30	549	33	5943	33
	Std Dev	1.01	0.93	0.94	1.02	0.94	0.97	Quite a bit	1685	29	599	32	2379	34	514	28	556	34	5733	32
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1505	26	286	15	1403	20	474	26	341	21	4009	22
Table Total	Valid N	31437	11420	27187	7629	7862	85535	Very little	4617	15	1964	17	4288	16	1384	18	1257	16	13510	16
	Mean	2.59	2.42	2.49	2.49	2.50	2.51	Some	10404	33	4335	38	10307	38	2647	35	2760	35	30453	36
	Std Dev	0.98	0.94	0.93	1.00	0.96	0.96	Quite a bit	9700	31	3445	30	8495	31	2100	28	2485	32	26225	31
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	6716	21	1676	15	4097	15	1498	20	1360	17	15347	18

**Gain: Synthesizing ideas (gnsynth)**

First-Year	Valid N	14436	5249	9585	3304	3112	35686	Very little	619	4	315	6	604	6	108	3	159	5	1805	5
	Mean	2.88	2.79	2.71	2.93	2.79	2.82	Some	4055	28	1659	32	3296	34	893	27	1010	32	10913	31
	Std Dev	0.83	0.86	0.83	0.82	0.83	0.84	Quite a bit	6162	43	2114	40	3968	41	1412	43	1281	41	14937	42
	S.E.M.	0.01	0.01	0.01	0.01	0.01	0.00	Very much	3600	25	1161	22	1717	18	891	27	662	21	8031	23
Sophomore	Valid N	6387	2177	5724	1411	1324	17023	Very little	196	3	165	8	220	4	36	3	53	4	670	4
	Mean	3.04	2.80	2.86	3.18	2.88	2.95	Some	1430	22	613	28	1627	28	262	19	371	28	4303	25
	Std Dev	0.82	0.88	0.80	0.82	0.82	0.83	Quite a bit	2674	42	893	41	2613	46	532	38	581	44	7293	43
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	2087	33	506	23	1264	22	581	41	319	24	4757	28
Junior	Valid N	4806	2114	4843	1104	1790	14657	Very little	144	3	134	6	157	3	12	1	41	2	488	3
	Mean	3.10	2.90	2.92	3.33	2.99	3.02	Some	957	20	550	26	1303	27	140	13	426	24	3376	23
	Std Dev	0.82	0.89	0.80	0.74	0.78	0.82	Quite a bit	1986	41	813	38	2158	45	423	38	838	47	6218	42
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	1719	36	617	29	1225	25	529	48	485	27	4575	31
Senior	Valid N	5783	1868	7008	1808	1643	18110	Very little	142	2	196	10	199	3	17	1	47	3	601	3
	Mean	3.14	2.78	3.04	3.37	3.05	3.08	Some	1084	19	499	27	1509	22	211	12	354	22	3657	20
	Std Dev	0.80	0.94	0.80	0.72	0.80	0.82	Quite a bit	2378	41	697	37	3089	44	665	37	720	44	7549	42
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	2179	38	476	25	2211	32	915	51	522	32	6303	35
Table Total	Valid N	31412	11408	27160	7627	7869	85476	Very little	1101	4	810	7	1180	4	173	2	300	4	3564	4
	Mean	3.00	2.81	2.86	3.14	2.90	2.93	Some	7526	24	3321	29	7735	28	1506	20	2161	27	22249	26
	Std Dev	0.83	0.88	0.82	0.81	0.82	0.84	Quite a bit	13200	42	4517	40	11828	44	3032	40	3420	43	35997	42
	S.E.M.	0.00	0.01	0.00	0.01	0.01	0.00	Very much	9585	31	2760	24	6417	24	2916	38	1988	25	23666	28

**Gain: Learning on one's own (gning)**

First-Year	Valid N	14444	5249	9600	3303	3110	35706	Very little	516	4	280	5	448	5	109	3	137	4	1490	4
	Mean	3.04	2.93	2.88	3.00	2.93	2.97	Some	3141	22	1315	25	2580	27	767	23	799	26	8602	24
	Std Dev	0.83	0.86	0.83	0.82	0.84	0.84	Quite a bit	6100	42	2142	41	4229	44	1434	43	1327	43	15232	43
	S.E.M.	0.01	0.01	0.01	0.01	0.02	0.00	Very much	4687	32	1512	29	2343	24	993	30	847	27	10382	29
Sophomore	Valid N	6390	2179	5723	1411	1328	17031	Very little	198	3	160	7	183	3	23	2	45	3	609	4
	Mean	3.15	2.92	3.00	3.24	3.02	3.07	Some	1112	17	497	23	1291	23	233	17	283	21	3416	20
	Std Dev	0.81	0.90	0.80	0.78	0.80	0.82	Quite a bit	2628	41	873	40	2601	45	535	38	605	46	7242	43
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	2452	38	649	30	1648	29	620	44	395	30	5764	34
Junior	Valid N	4805	2120	4833	1105	1790	14653	Very little	121	3	126	6	151	3	24	2	36	2	458	3
	Mean	3.22	3.00	3.04	3.36	3.10	3.13	Some	751	16	476	22	997	21	131	12	330	18	2685	18
	Std Dev	0.80	0.90	0.80	0.77	0.76	0.81	Quite a bit	1902	40	789	37	2171	45	376	34	836	47	6074	41
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	2031	42	729	34	1514	31	574	52	588	33	5436	37
Senior	Valid N	5790	1868	7014	1811	1641	18124	Very little	108	2	164	9	173	2	17	1	30	2	492	3
	Mean	3.27	2.91	3.18	3.44	3.20	3.21	Some	841	15	426	23	1124	16	189	10	244	15	2824	16
	Std Dev	0.77	0.94	0.79	0.72	0.75	0.80	Quite a bit	2211	38	697	37	2969	42	579	32	733	45	7189	40
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	2630	45	581	31	2748	39	1026	57	634	39	7619	42
Table Total	Valid N	31429	11416	27170	7630	7869	85514	Very little	943	3	730	6	955	4	173	2	248	3	3049	4
	Mean	3.13	2.94	3.01	3.20	3.04	3.07	Some	5845	19	2714	24	5992	22	1320	17	1656	21	17527	20
	Std Dev	0.82	0.89	0.82	0.80	0.81	0.83	Quite a bit	12841	41	4501	39	11970	44	2924	38	3501	44	35737	42
	S.E.M.	0.00	0.01	0.00	0.01	0.01	0.00	Very much	11800	38	3471	30	8253	30	3213	42	2464	31	29201	34

**Table 4-7. Individual Items**

		DRU		MA I &		Table	DRU Ext		DRU Int		MA I & II		BA Lib		BA Gen		Total			
		Ext	DRU Int	II	BA Lib	BA Gen	Total	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	Freq	Col %	
<b>Gain: Adapting to change (gnadapt)</b>																				
First-Year	Valid N	14437	5212	9595	3302	3112	35658	Very little	575	4	250	5	508	5	132	4	136	4	1601	7
	Mean	3.06	2.99	2.93	3.01	2.99	3.00	Some	3146	22	1272	24	2438	25	793	24	747	24	8396	24
	Std Dev	0.85	0.88	0.87	0.85	0.86	0.86	Quite a bit	5605	39	1956	38	3879	40	1301	39	1240	40	13981	39
	S.E.M.	0.01	0.01	0.01	0.01	0.02	0.00	Very much	5111	35	1734	33	2770	29	1076	33	989	32	11680	33
Sophomore	Valid N	6390	2137	5725	1410	1325	16987	Very little	263	4	94	4	219	4	56	4	47	4	679	4
	Mean	3.08	3.01	3.00	3.02	3.02	3.03	Some	1270	20	470	22	1324	23	318	23	315	24	3697	22
	Std Dev	0.85	0.85	0.83	0.84	0.84	0.84	Quite a bit	2553	40	888	42	2441	43	576	41	526	40	6984	41
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	2304	36	685	32	1741	30	460	33	437	33	5627	33
Junior	Valid N	4797	2081	4841	1103	1792	14614	Very little	162	3	84	4	183	4	40	4	61	3	530	4
	Mean	3.10	3.06	3.02	3.10	3.06	3.06	Some	941	20	425	20	1080	22	232	21	345	19	3023	21
	Std Dev	0.83	0.84	0.83	0.85	0.80	0.83	Quite a bit	1938	40	847	41	2028	42	413	37	816	46	6042	41
	S.E.M.	0.01	0.02	0.01	0.03	0.02	0.01	Very much	1756	37	725	35	1550	32	418	38	570	32	5019	34
Senior	Valid N	5785	1825	7019	1808	1643	18080	Very little	199	3	90	5	224	3	50	3	38	2	601	3
	Mean	3.14	3.03	3.10	3.18	3.15	3.12	Some	1097	19	372	20	1354	19	318	18	298	18	3439	19
	Std Dev	0.84	0.85	0.82	0.81	0.79	0.83	Quite a bit	2205	38	765	42	2908	41	705	39	692	42	7275	40
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01	Very much	2284	39	598	33	2533	36	735	41	615	37	6765	37
Table Total	Valid N	31409	11255	27180	7623	7872	85339	Very little	1199	4	518	5	1134	4	278	4	282	4	3411	4
	Mean	3.08	3.01	3.00	3.06	3.04	3.04	Some	6454	21	2539	23	6196	23	1661	22	1705	22	18555	22
	Std Dev	0.85	0.86	0.84	0.84	0.83	0.85	Quite a bit	12301	39	4456	40	11256	41	2995	39	3274	42	34282	40
	S.E.M.	0.00	0.01	0.01	0.01	0.01	0.00	Very much	11455	36	3742	33	8594	32	2689	35	2611	33	29091	34

**Table 4-8. Quality of Effort Tables**

		DRU Ext	DRU Int	MA I & II	BA Lib	BA Gen	Table Total
<b>QE: Library Scale (qelib)</b>							
First-Year	Valid N	14535	5242	9565	3314	3107	35763
	Mean	16.25	16.88	16.21	17.80	16.31	16.48
	Std Dev	4.49	4.70	4.52	4.37	4.39	4.54
	S.E.M.	0.04	0.06	0.05	0.08	0.08	0.02
Sophomore	Valid N	6473	2204	5735	1403	1318	17133
	Mean	16.89	17.46	16.62	18.31	15.85	16.91
	Std Dev	4.66	4.49	4.27	4.31	4.55	4.51
	S.E.M.	0.06	0.10	0.06	0.12	0.13	0.03
Junior	Valid N	4852	2148	4839	1097	1772	14708
	Mean	17.07	17.69	16.95	19.41	16.54	17.23
	Std Dev	4.71	4.61	4.41	4.65	4.91	4.67
	S.E.M.	0.07	0.10	0.06	0.14	0.12	0.04
Senior	Valid N	5827	1875	6995	1813	1635	18145
	Mean	17.51	18.04	17.70	20.08	17.00	17.85
	Std Dev	4.65	4.62	4.59	4.62	4.82	4.70
	S.E.M.	0.06	0.11	0.05	0.11	0.12	0.03
Table Total	Valid N	31687	11469	27134	7627	7832	85749
	Mean	16.74	17.33	16.81	18.67	16.43	16.98
	Std Dev	4.62	4.65	4.51	4.56	4.64	4.62
	S.E.M.	0.03	0.04	0.03	0.05	0.05	0.02

		DRU Ext	DRU Int	MA I & II	BA Lib	BA Gen	Table Total
<b>QE: Computer and IT Scale (qecomput)</b>							
First-Year	Valid N	14574	5261	9614	3326	3109	35884
	Mean	23.00	22.20	21.12	22.37	21.73	22.21
	Std Dev	5.03	5.52	5.07	4.52	5.03	5.13
	S.E.M.	0.04	0.08	0.05	0.08	0.09	0.03
Sophomore	Valid N	6488	2203	5730	1419	1321	17161
	Mean	23.88	21.83	22.07	22.93	22.28	22.81
	Std Dev	5.19	5.36	5.32	4.35	5.39	5.28
	S.E.M.	0.06	0.11	0.07	0.12	0.15	0.04
Junior	Valid N	4866	2152	4864	1104	1779	14765
	Mean	23.51	22.14	21.89	23.38	22.36	22.63
	Std Dev	5.46	5.41	5.28	4.59	5.50	5.39
	S.E.M.	0.08	0.12	0.08	0.14	0.13	0.04
Senior	Valid N	5823	1880	7016	1818	1641	18178
	Mean	23.81	22.00	23.34	24.58	23.16	23.46
	Std Dev	5.51	5.57	5.55	4.52	5.55	5.48
	S.E.M.	0.07	0.13	0.07	0.11	0.14	0.04
Table Total	Valid N	31751	11496	27224	7667	7850	85988
	Mean	23.41	22.09	22.03	23.14	22.27	22.67
	Std Dev	5.24	5.48	5.35	4.58	5.34	5.30
	S.E.M.	0.03	0.05	0.03	0.05	0.06	0.02

<b>QE: Course Learning Scale (qecourse)</b>							
First-Year	Valid N	14440	5189	9464	3299	3057	35449
	Mean	31.76	31.16	30.65	32.67	31.34	31.42
	Std Dev	5.55	5.94	5.65	5.42	5.56	5.66
	S.E.M.	0.05	0.08	0.06	0.09	0.10	0.03
Sophomore	Valid N	6442	2187	5657	1407	1301	16994
	Mean	32.23	31.36	31.81	33.24	31.90	32.04
	Std Dev	5.62	6.16	5.60	5.15	5.77	5.68
	S.E.M.	0.07	0.13	0.07	0.14	0.16	0.04
Junior	Valid N	4825	2139	4775	1101	1763	14603
	Mean	32.76	32.45	32.65	34.18	32.88	32.80
	Std Dev	5.65	5.99	5.53	5.01	5.68	5.63
	S.E.M.	0.08	0.13	0.08	0.15	0.14	0.05
Senior	Valid N	5794	1841	6929	1801	1599	17964
	Mean	33.11	32.94	33.69	34.98	33.94	33.58
	Std Dev	5.65	5.76	5.53	5.12	5.55	5.58
	S.E.M.	0.07	0.13	0.07	0.12	0.14	0.04
Table Total	Valid N	31501	11356	26825	7608	7720	85010
	Mean	32.26	31.73	32.04	33.54	32.32	32.24
	Std Dev	5.62	6.01	5.71	5.33	5.71	5.70
	S.E.M.	0.03	0.06	0.03	0.06	0.07	0.02

<b>QE: Writing Experiences Scale (qewrite)</b>							
First-Year	Valid N	14544	5264	9637	3336	3116	35897
	Mean	18.22	18.47	18.44	18.61	18.97	18.42
	Std Dev	4.12	4.30	4.21	4.03	4.09	4.17
	S.E.M.	0.03	0.06	0.04	0.07	0.07	0.02
Sophomore	Valid N	6446	2203	5743	1421	1325	17138
	Mean	17.52	17.72	18.20	17.52	18.38	17.84
	Std Dev	4.23	4.40	4.19	3.93	4.32	4.24
	S.E.M.	0.05	0.09	0.06	0.10	0.12	0.03
Junior	Valid N	4851	2139	4867	1108	1798	14763
	Mean	17.80	17.65	18.21	17.89	18.48	18.00
	Std Dev	4.26	4.38	4.28	4.09	4.40	4.30
	S.E.M.	0.06	0.09	0.06	0.12	0.10	0.04
Senior	Valid N	5834	1878	7040	1820	1651	18223
	Mean	18.01	17.78	18.62	18.97	19.00	18.41
	Std Dev	4.31	4.71	4.40	4.20	4.47	4.41
	S.E.M.	0.06	0.11	0.05	0.10	0.11	0.03
Table Total	Valid N	31675	11484	27287	7685	7890	86021
	Mean	17.97	18.06	18.40	18.39	18.77	18.23
	Std Dev	4.21	4.42	4.27	4.09	4.29	4.26
	S.E.M.	0.02	0.04	0.03	0.05	0.05	0.01

<b>QE: Experiences with Faculty Scale (qefac)</b>							
First-Year	Valid N	14381	5235	9548	3310	3087	35561
	Mean	20.58	21.08	20.53	21.98	21.80	20.87
	Std Dev	5.75	6.03	5.94	6.01	6.06	5.92
	S.E.M.	0.05	0.08	0.06	0.10	0.11	0.03
Sophomore	Valid N	6417	2194	5684	1415	1324	17034
	Mean	20.60	21.34	21.21	21.82	22.11	21.12
	Std Dev	5.99	5.99	5.95	5.76	6.20	5.99
	S.E.M.	0.07	0.13	0.08	0.15	0.17	0.05
Junior	Valid N	4823	2130	4823	1104	1780	14660
	Mean	21.17	22.19	21.64	23.24	22.72	21.82
	Std Dev	6.14	6.11	6.09	6.23	6.09	6.15
	S.E.M.	0.09	0.13	0.09	0.19	0.14	0.05
Senior	Valid N	5796	1869	7005	1811	1643	18124
	Mean	21.76	22.97	23.38	25.33	24.14	23.09
	Std Dev	6.22	6.35	6.42	6.60	6.43	6.46
	S.E.M.	0.08	0.15	0.08	0.16	0.16	0.05
Table Total	Valid N	31417	11428	27060	7640	7834	85379
	Mean	20.89	21.65	21.61	22.93	22.55	21.55
	Std Dev	5.97	6.13	6.20	6.30	6.23	6.15
	S.E.M.	0.03	0.06	0.04	0.07	0.07	0.02

<b>QE: Art, Music, Theater Scale (qeamt)</b>							
First-Year	Valid N	14343	5241	9558	3310	3074	35526
	Mean	15.29	14.91	14.55	16.73	14.30	15.08
	Std Dev	5.20	5.31	5.44	5.57	5.34	5.37
	S.E.M.	0.04	0.07	0.06	0.10	0.10	0.03
Sophomore	Valid N	6422	2198	5696	1419	1317	17052
	Mean	15.77	15.63	15.02	18.05	14.14	15.57
	Std Dev	5.24	5.16	5.19	5.13	5.21	5.28
	S.E.M.	0.07	0.11	0.07	0.14	0.14	0.04
Junior	Valid N	4822	2132	4821	1107	1778	14660
	Mean	15.47	15.40	14.34	17.57	14.53	15.13
	Std Dev	5.25	4.98	5.15	5.27	5.15	5.24
	S.E.M.	0.08	0.11	0.07	0.16	0.12	0.04
Senior	Valid N	5802	1874	6982	1810	1638	18106
	Mean	15.23	14.89	15.13	17.43	14.30	15.29
	Std Dev	5.18	4.94	5.54	5.19	5.12	5.34
	S.E.M.	0.07	0.11	0.07	0.12	0.13	0.04
Table Total	Valid N	31389	11445	27057	7646	7807	85344
	Mean	15.40	15.14	14.76	17.26	14.32	15.23
	Std Dev	5.22	5.17	5.37	5.38	5.23	5.33
	S.E.M.	0.03	0.05	0.03	0.06	0.06	0.02

**Table 4-6. Quality of Effort Tables**

		DRU Ext	DRU Int	MA I & II	BA Lib	BA Gen	Table Total
<b>QE: Campus Facilities Scale (qefacil)</b>							
First-Year	Valid N	14412	5234	9567	3309	3097	35619
	Mean	18.23	17.48	17.30	19.72	18.33	18.02
	Std Dev	4.57	4.85	4.69	4.68	5.06	4.75
	S.E.M.	0.04	0.07	0.05	0.08	0.09	0.03
Sophomore	Valid N	6404	2182	5695	1410	1319	17010
	Mean	18.20	17.94	17.84	19.36	17.38	18.08
	Std Dev	4.76	4.95	4.76	4.44	4.88	4.79
	S.E.M.	0.06	0.11	0.06	0.12	0.13	0.04
Junior	Valid N	4797	2135	4822	1102	1786	14642
	Mean	17.49	17.79	16.53	18.98	16.73	17.24
	Std Dev	4.67	4.86	4.68	4.66	5.12	4.81
	S.E.M.	0.07	0.11	0.07	0.14	0.12	0.04
Senior	Valid N	5779	1863	6982	1815	1627	18066
	Mean	17.15	17.76	16.93	19.40	16.20	17.27
	Std Dev	4.61	4.97	4.75	4.54	5.21	4.82
	S.E.M.	0.06	0.12	0.06	0.11	0.13	0.04
Table Total	Valid N	31392	11414	27066	7636	7829	85337
	Mean	17.91	17.67	17.18	19.47	17.36	17.74
	Std Dev	4.65	4.89	4.74	4.60	5.15	4.80
	S.E.M.	0.03	0.05	0.03	0.05	0.06	0.02

		DRU Ext	DRU Int	MA I & II	BA Lib	BA Gen	Table Total
<b>QE: Clubs and Organizations Scale (qeclubs)</b>							
First-Year	Valid N	14496	5259	9644	3317	3111	35827
	Mean	8.71	8.63	7.85	9.09	8.42	8.48
	Std Dev	3.63	3.70	3.43	3.77	3.57	3.62
	S.E.M.	0.03	0.05	0.03	0.07	0.06	0.02
Sophomore	Valid N	6415	2195	5750	1418	1329	17107
	Mean	9.87	9.83	9.17	10.17	9.30	9.61
	Std Dev	4.20	4.18	4.07	3.97	4.17	4.15
	S.E.M.	0.05	0.09	0.05	0.11	0.11	0.03
Junior	Valid N	4838	2136	4863	1102	1793	14732
	Mean	10.00	10.37	9.09	10.51	9.47	9.73
	Std Dev	4.40	4.46	4.26	4.25	4.28	4.37
	S.E.M.	0.06	0.10	0.06	0.13	0.10	0.04
Senior	Valid N	5796	1876	7017	1813	1642	18144
	Mean	10.02	10.19	9.72	11.21	9.47	9.99
	Std Dev	4.41	4.35	4.41	4.25	4.41	4.41
	S.E.M.	0.06	0.10	0.05	0.10	0.11	0.03
Table Total	Valid N	31545	11466	27274	7650	7875	85810
	Mean	9.38	9.44	8.83	10.00	9.03	9.24
	Std Dev	4.07	4.13	4.06	4.08	4.06	4.09
	S.E.M.	0.02	0.04	0.02	0.05	0.05	0.01

		DRU Ext	DRU Int	MA I & II	BA Lib	BA Gen	Table Total
<b>QE: Personal Experiences Scale (qepers)</b>							
First-Year	Valid N	14462	5243	9617	3306	3106	35734
	Mean	20.00	19.68	19.96	20.16	19.88	19.95
	Std Dev	5.09	5.45	5.23	4.93	5.20	5.18
	S.E.M.	0.04	0.08	0.05	0.09	0.09	0.03
Sophomore	Valid N	6400	2182	5742	1416	1325	17065
	Mean	20.09	19.24	20.34	20.15	19.70	20.04
	Std Dev	5.14	5.71	5.10	4.67	5.30	5.19
	S.E.M.	0.06	0.12	0.07	0.12	0.15	0.04
Junior	Valid N	4819	2130	4842	1101	1794	14686
	Mean	19.92	19.17	19.99	20.16	19.55	19.81
	Std Dev	5.08	5.77	5.10	4.96	5.32	5.22
	S.E.M.	0.07	0.12	0.07	0.15	0.13	0.04
Senior	Valid N	5792	1867	7000	1810	1642	18111
	Mean	19.89	18.75	20.09	20.67	19.49	19.89
	Std Dev	5.14	5.88	5.22	4.98	5.42	5.28
	S.E.M.	0.07	0.14	0.06	0.12	0.13	0.04
Table Total	Valid N	31473	11422	27201	7633	7867	85596
	Mean	19.98	19.35	20.08	20.28	19.69	19.93
	Std Dev	5.11	5.64	5.18	4.90	5.29	5.21
	S.E.M.	0.03	0.05	0.03	0.06	0.06	0.02

		DRU Ext	DRU Int	MA I & II	BA Lib	BA Gen	Table Total
<b>QE: Student Acquaintances Scale (qestacq)</b>							
First-Year	Valid N	14396	5214	9563	3297	3077	35547
	Mean	27.26	26.03	25.29	28.18	25.43	26.48
	Std Dev	6.85	6.86	6.81	6.58	6.75	6.88
	S.E.M.	0.06	0.09	0.07	0.11	0.12	0.04
Sophomore	Valid N	6373	2178	5700	1412	1317	16980
	Mean	27.65	26.05	25.30	28.56	25.61	26.57
	Std Dev	6.85	6.78	6.59	6.36	7.04	6.83
	S.E.M.	0.09	0.15	0.09	0.17	0.19	0.05
Junior	Valid N	4794	2118	4827	1099	1788	14626
	Mean	27.01	25.88	24.77	27.83	25.20	25.95
	Std Dev	6.94	6.78	6.70	6.47	6.83	6.88
	S.E.M.	0.10	0.15	0.10	0.20	0.16	0.06
Senior	Valid N	5772	1868	6979	1805	1627	18051
	Mean	26.57	25.85	25.49	28.11	25.07	26.10
	Std Dev	6.92	6.97	6.69	6.30	6.97	6.83
	S.E.M.	0.09	0.16	0.08	0.15	0.17	0.05
Table Total	Valid N	31335	11378	27069	7613	7809	85204
	Mean	27.17	25.98	25.25	28.18	25.33	26.32
	Std Dev	6.89	6.85	6.72	6.46	6.87	6.87
	S.E.M.	0.04	0.06	0.04	0.07	0.08	0.02

		DRU Ext	DRU Int	MA I & II	BA Lib	BA Gen	Table Total
<b>QE: Science &amp; Quantitative Exp. Scale (qesci)</b>							
First-Year	Valid N	14368	5212	9536	3293	3088	35497
	Mean	22.61	20.61	20.54	21.65	20.73	21.51
	Std Dev	7.53	7.18	7.19	7.71	7.70	7.48
	S.E.M.	0.06	0.10	0.07	0.13	0.14	0.04
Sophomore	Valid N	6395	2179	5688	1408	1313	16983
	Mean	23.59	21.59	22.09	21.74	21.73	22.54
	Std Dev	8.16	7.29	7.37	7.90	7.64	7.78
	S.E.M.	0.10	0.16	0.10	0.21	0.21	0.06
Junior	Valid N	4792	2117	4807	1098	1785	14599
	Mean	22.91	21.53	21.08	21.91	21.50	21.86
	Std Dev	8.21	7.62	7.35	8.11	7.73	7.82
	S.E.M.	0.12	0.17	0.11	0.24	0.18	0.06
Senior	Valid N	5750	1864	6962	1799	1629	18004
	Mean	22.66	22.00	21.74	22.15	21.62	22.09
	Std Dev	8.42	7.71	7.65	8.44	7.75	8.01
	S.E.M.	0.11	0.18	0.09	0.20	0.19	0.06
Table Total	Valid N	31305	11372	26993	7598	7815	85083
	Mean	22.87	21.20	21.27	21.82	21.26	21.90
	Std Dev	7.95	7.39	7.40	7.98	7.72	7.72
	S.E.M.	0.04	0.07	0.05	0.09	0.09	0.03

		DRU Ext	DRU Int	MA I & II	BA Lib	BA Gen	Table Total
<b>QE: Topics of Conversation Scale (qecontps)</b>							
First-Year	Valid N	14339	4989	9525	3307	3050	35210
	Mean	24.37	23.52	22.44	24.86	22.75	23.63
	Std Dev	6.00	6.25	5.88	5.94	5.82	6.05
	S.E.M.	0.05	0.09	0.06	0.10	0.11	0.03
Sophomore	Valid N	6358	2168	5679	1410	1313	16928
	Mean	25.47	24.69	23.62	26.39	23.45	24.67
	Std Dev	5.93	6.00	5.80	5.58	5.91	5.95
	S.E.M.	0.07	0.13	0.08	0.15	0.16	0.05
Junior	Valid N	4774	2117	4783	1096	1777	14547
	Mean	25.81	25.20	24.18	26.71	24.43	25.09
	Std Dev	6.01	5.88	5.81	5.62	5.84	5.93
	S.E.M.	0.09	0.13	0.08	0.17	0.14	0.05
Senior	Valid N	5762	1864	6959	1802	1628	18015
	Mean	26.16	25.71	25.34	27.38	25.26	25.84
	Std Dev	5.86	5.94	5.94	5.52	5.80	5.89
	S.E.M.	0.08	0.14	0.07	0.13	0.14	0.04
Table Total	Valid N	31233	11138	26946	7615	7768	84700
	Mean	25.14	24.44	23.75	26.01	23.78	24.56
	Std Dev	6.01	6.14	5.97	5.83	5.92	6.04
	S.E.M.	0.03	0.06	0.04	0.07	0.07	0.02

**Table 4-6 . Quality of Effort Tables**

		DRU Ext	DRU Int	MA I & II	BA Lib	BA Gen	Table Total
<b>QE: Information in Conversations Scale (qeconinf)</b>							
First-Year	Valid N	14240	5169	9429	3273	3036	35147
	Mean	15.21	14.90	14.53	15.67	14.71	14.98
	Std Dev	3.69	3.79	3.71	3.61	3.65	3.72
	S.E.M.	0.03	0.05	0.04	0.06	0.07	0.02
Sophomore	Valid N	6351	2163	5645	1398	1306	16863
	Mean	15.77	15.38	15.10	16.26	15.23	15.49
	Std Dev	3.68	3.71	3.59	3.47	3.76	3.66
	S.E.M.	0.05	0.08	0.05	0.09	0.10	0.03
Junior	Valid N	4755	2086	4743	1096	1768	14448
	Mean	15.91	15.74	15.35	16.64	15.49	15.71
	Std Dev	3.67	3.61	3.67	3.50	3.57	3.66
	S.E.M.	0.05	0.08	0.05	0.11	0.08	0.03
Senior	Valid N	5730	1843	6893	1793	1618	17877
	Mean	15.92	15.88	15.79	16.86	15.77	15.94
	Std Dev	3.67	3.65	3.66	3.49	3.71	3.66
	S.E.M.	0.05	0.09	0.04	0.08	0.09	0.03
Table Total	Valid N	31076	11261	26710	7560	7728	84335
	Mean	15.56	15.31	15.12	16.20	15.20	15.41
	Std Dev	3.70	3.74	3.70	3.57	3.69	3.70
	S.E.M.	0.02	0.04	0.02	0.04	0.04	0.01

**Table 4-9. Environment and Gains Factor Tables**

		DRU Ext	DRU Int	MA I & II	BA Lib	BA Gen	Table Total
<b>Environment Items Scholarly Factor</b>							
First-Year	Valid N	14488	5257	9630	3329	3122	35826
	Mean	16.31	15.86	15.49	17.10	15.85	16.06
	Std Dev	2.97	3.19	3.10	2.98	3.05	3.08
	S.E.M.	0.02	0.04	0.03	0.05	0.05	0.02
Sophomore	Valid N	6409	2185	5750	1415	1325	17084
	Mean	16.20	15.42	15.43	17.71	15.46	15.91
	Std Dev	3.06	3.36	3.07	2.57	3.18	3.14
	S.E.M.	0.04	0.07	0.04	0.07	0.09	0.02
Junior	Valid N	4818	2123	4856	1104	1799	14700
	Mean	15.65	15.32	15.30	17.65	15.84	15.66
	Std Dev	3.26	3.33	3.17	2.57	3.15	3.23
	S.E.M.	0.05	0.07	0.05	0.08	0.07	0.03
Senior	Valid N	5795	1876	7027	1817	1649	18164
	Mean	15.25	14.79	15.48	17.79	15.72	15.59
	Std Dev	3.34	3.43	3.19	2.48	3.22	3.30
	S.E.M.	0.04	0.08	0.04	0.06	0.08	0.02
Table Total	Valid N	31510	11441	27263	7665	7895	85774
	Mean	15.99	15.50	15.44	17.46	15.76	15.86
	Std Dev	3.13	3.31	3.13	2.75	3.13	3.17
	S.E.M.	0.02	0.03	0.02	0.03	0.04	0.01

		DRU Ext	DRU Int	MA I & II	BA Lib	BA Gen	Table Total
<b>Environment Items Practical Factor</b>							
First-Year	Valid N	14447	5249	9601	3322	3110	35729
	Mean	20.37	20.38	19.95	19.82	20.05	20.18
	Std Dev	4.23	4.25	4.21	4.31	4.38	4.26
	S.E.M.	0.04	0.06	0.04	0.07	0.08	0.02
Sophomore	Valid N	6401	2184	5742	1418	1324	17069
	Mean	19.61	19.53	19.84	18.97	20.02	19.66
	Std Dev	4.51	4.45	4.36	4.14	4.44	4.43
	S.E.M.	0.06	0.10	0.06	0.11	0.12	0.03
Junior	Valid N	4791	2120	4841	1101	1797	14650
	Mean	19.01	19.09	19.45	18.58	20.43	19.31
	Std Dev	4.65	4.47	4.47	4.43	4.45	4.55
	S.E.M.	0.07	0.10	0.06	0.13	0.10	0.04
Senior	Valid N	5785	1876	7017	1813	1644	18135
	Mean	18.52	18.99	19.22	18.81	20.35	19.04
	Std Dev	4.80	4.57	4.56	4.41	4.56	4.65
	S.E.M.	0.06	0.11	0.05	0.10	0.11	0.03
Table Total	Valid N	31424	11429	27201	7654	7875	85583
	Mean	19.67	19.75	19.65	19.24	20.20	19.68
	Std Dev	4.52	4.43	4.39	4.35	4.45	4.45
	S.E.M.	0.03	0.04	0.03	0.05	0.05	0.02

		DRU Ext	DRU Int	MA I & II	BA Lib	BA Gen	Table Total
<b>Gains Items Science and Technology Factor</b>							
First-Year	Valid N	14361	5221	9537	3292	3092	35503
	Mean	9.46	9.17	8.83	9.15	8.99	9.18
	Std Dev	3.24	3.18	3.09	3.28	3.24	3.20
	S.E.M.	0.03	0.04	0.03	0.06	0.06	0.02
Sophomore	Valid N	6364	2164	5688	1404	1315	16935
	Mean	10.23	9.70	9.56	9.53	9.57	9.83
	Std Dev	3.38	3.11	3.09	3.41	3.19	3.26
	S.E.M.	0.04	0.07	0.04	0.09	0.09	0.03
Junior	Valid N	4788	2109	4810	1101	1781	14589
	Mean	10.21	9.89	9.48	9.87	9.74	9.84
	Std Dev	3.41	3.17	3.16	3.42	3.17	3.28
	S.E.M.	0.05	0.07	0.05	0.10	0.08	0.03
Senior	Valid N	5764	1860	6988	1806	1634	18052
	Mean	10.30	10.04	9.88	10.17	9.99	10.07
	Std Dev	3.43	3.16	3.25	3.47	3.20	3.32
	S.E.M.	0.05	0.07	0.04	0.08	0.08	0.02
Table Total	Valid N	31277	11354	27023	7603	7822	85079
	Mean	9.88	9.55	9.37	9.57	9.47	9.61
	Std Dev	3.35	3.18	3.17	3.39	3.23	3.27
	S.E.M.	0.02	0.03	0.02	0.04	0.04	0.01

		DRU Ext	DRU Int	MA I & II	BA Lib	BA Gen	Table Total
<b>Environment Items Personal Relations Factor</b>							
First-Year	Valid N	14497	5255	9627	3327	3124	35830
	Mean	15.77	15.70	15.91	16.56	16.50	15.93
	Std Dev	3.23	3.36	3.24	3.08	3.14	3.24
	S.E.M.	0.03	0.05	0.03	0.05	0.06	0.02
Sophomore	Valid N	6422	2191	5752	1417	1328	17110
	Mean	15.14	15.17	15.74	16.49	16.24	15.54
	Std Dev	3.48	3.42	3.30	2.99	3.24	3.38
	S.E.M.	0.04	0.07	0.04	0.08	0.09	0.03
Junior	Valid N	4815	2125	4845	1106	1800	14691
	Mean	14.95	15.06	15.55	16.34	16.43	15.45
	Std Dev	3.64	3.50	3.32	3.13	3.19	3.47
	S.E.M.	0.05	0.08	0.05	0.09	0.08	0.03
Senior	Valid N	5803	1883	7025	1813	1646	18170
	Mean	14.78	15.07	15.92	16.60	16.44	15.58
	Std Dev	3.68	3.52	3.32	3.00	3.37	3.50
	S.E.M.	0.05	0.08	0.04	0.07	0.08	0.03
Table Total	Valid N	31537	11454	27249	7663	7898	85801
	Mean	15.33	15.38	15.81	16.52	16.43	15.70
	Std Dev	3.46	3.44	3.29	3.05	3.22	3.37
	S.E.M.	0.02	0.03	0.02	0.03	0.04	0.01

		DRU Ext	DRU Int	MA I & II	BA Lib	BA Gen	Table Total
<b>Gains Items Personal Development Factor</b>							
First-Year	Valid N	14339	5175	9523	3280	3091	35408
	Mean	17.35	17.12	17.03	17.45	17.45	17.25
	Std Dev	3.87	3.95	3.95	3.79	3.94	3.90
	S.E.M.	0.03	0.05	0.04	0.07	0.07	0.02
Sophomore	Valid N	6361	2130	5670	1404	1316	16881
	Mean	17.62	17.15	17.62	17.69	17.62	17.57
	Std Dev	3.86	4.08	3.91	3.62	3.92	3.89
	S.E.M.	0.05	0.09	0.05	0.10	0.11	0.03
Junior	Valid N	4772	2084	4804	1100	1781	14541
	Mean	17.77	17.50	17.61	18.05	17.90	17.71
	Std Dev	3.82	3.99	3.91	3.68	3.79	3.86
	S.E.M.	0.06	0.09	0.06	0.11	0.09	0.03
Senior	Valid N	5751	1837	6968	1797	1630	17983
	Mean	17.95	17.12	18.06	18.47	18.11	17.97
	Std Dev	3.90	4.06	3.89	3.60	3.84	3.89
	S.E.M.	0.05	0.09	0.05	0.08	0.10	0.03
Table Total	Valid N	31223	11226	26965	7581	7818	84813
	Mean	17.58	17.20	17.52	17.82	17.72	17.55
	Std Dev	3.87	4.00	3.94	3.72	3.89	3.90
	S.E.M.	0.02	0.04	0.02	0.04	0.04	0.01

		DRU Ext	DRU Int	MA I & II	BA Lib	BA Gen	Table Total
<b>Gains Items General Education Factor</b>							
First-Year	Valid N	14369	5210	9527	3289	3089	35484
	Mean	14.58	14.49	13.94	15.92	13.90	14.46
	Std Dev	3.94	3.91	3.72	3.86	3.85	3.90
	S.E.M.	0.03	0.05	0.04	0.07	0.07	0.02
Sophomore	Valid N	6372	2164	5678	1407	1318	16939
	Mean	14.79	15.02	14.61	17.10	14.08	14.90
	Std Dev	4.07	3.85	3.76	3.68	4.02	3.97
	S.E.M.	0.05	0.08	0.05	0.10	0.11	0.03
Junior	Valid N	4784	2107	4796	1102	1782	14571
	Mean	14.87	15.01	14.35	16.82	14.79	14.86
	Std Dev	4.17	3.83	3.79	3.73	4.00	3.99
	S.E.M.	0.06	0.08	0.05	0.11	0.09	0.03
Senior	Valid N	5760	1866	6980	1806	1634	18046
	Mean	14.86	14.96	14.82	17.42	15.15	15.14
	Std Dev	4.18	4.00	3.93	3.72	4.15	4.09
	S.E.M.	0.06	0.09	0.05	0.09	0.10	0.03
Table Total	Valid N	31285	11347	26981	7604	7823	85040
	Mean	14.72	14.77	14.38	16.63	14.39	14.76
	Std Dev	4.05	3.90	3.81	3.83	4.01	3.98
	S.E.M.	0.02	0.04	0.02	0.04	0.05	0.01



**Table 4-9. Environment and Gains Factor Tables**

		DRU Ext	DRU Int	MA I & II	BA Lib	BA Gen	Table Total
<b>Gains Items Vocational Preparation Factor</b>							
First-Year	Valid N	14447	5046	9602	3301	3109	35505
	Mean	7.96	7.68	7.51	7.78	7.86	7.77
	Std Dev	2.19	2.15	2.13	2.04	2.10	2.15
	S.E.M.	0.02	0.03	0.02	0.04	0.04	0.01
Sophomore	Valid N	6399	2173	5713	1411	1326	17022
	Mean	8.62	8.14	8.20	8.25	8.53	8.38
	Std Dev	2.13	2.16	2.04	1.96	2.06	2.10
	S.E.M.	0.03	0.05	0.03	0.05	0.06	0.02
Junior	Valid N	4808	2117	4835	1104	1779	14643
	Mean	8.80	8.38	8.64	8.51	8.93	8.68
	Std Dev	2.11	2.21	2.03	1.99	1.95	2.08
	S.E.M.	0.03	0.05	0.03	0.06	0.05	0.02
Senior	Valid N	5786	1871	7007	1809	1643	18116
	Mean	8.80	8.20	8.90	8.56	9.26	8.79
	Std Dev	2.17	2.43	2.07	2.05	1.97	2.15
	S.E.M.	0.03	0.06	0.02	0.05	0.05	0.02
Table Total	Valid N	31440	11207	27157	7625	7857	85286
	Mean	8.38	7.99	8.22	8.16	8.51	8.27
	Std Dev	2.20	2.23	2.15	2.05	2.11	2.17
	S.E.M.	0.01	0.02	0.01	0.02	0.02	0.01

		DRU Ext	DRU Int	MA I & II	BA Lib	BA Gen	Table Total
<b>Gains Items Intellectual Skills Factor</b>							
First-Year	Valid N	14243	5176	9403	3276	3061	35159
	Mean	17.27	17.16	16.49	17.29	17.06	17.03
	Std Dev	3.70	3.84	3.65	3.61	3.65	3.71
	S.E.M.	0.03	0.05	0.04	0.06	0.07	0.02
Sophomore	Valid N	6334	2162	5631	1400	1315	16842
	Mean	17.79	17.09	17.18	18.07	17.45	17.49
	Std Dev	3.67	4.03	3.57	3.56	3.59	3.69
	S.E.M.	0.05	0.09	0.05	0.10	0.10	0.03
Junior	Valid N	4742	2095	4750	1098	1772	14457
	Mean	18.13	17.58	17.52	18.91	17.93	17.88
	Std Dev	3.64	4.05	3.58	3.46	3.43	3.67
	S.E.M.	0.05	0.09	0.05	0.10	0.08	0.03
Senior	Valid N	5733	1849	6923	1799	1617	17921
	Mean	18.50	17.01	18.28	19.60	18.65	18.38
	Std Dev	3.56	4.23	3.56	3.31	3.44	3.65
	S.E.M.	0.05	0.10	0.04	0.08	0.09	0.03
Table Total	Valid N	31052	11282	26707	7573	7765	84379
	Mean	17.73	17.20	17.28	18.22	17.66	17.56
	Std Dev	3.69	3.99	3.67	3.64	3.60	3.72
	S.E.M.	0.02	0.04	0.02	0.04	0.04	0.01

**Table 4-10 . Additional Index Tables**

		DRU Ext	DRU Int	MA I & II	BA Lib	BA Gen	Table Total
<b>Capacity for Life-long Learning Index</b>							
First-Year	Valid N	14095	5088	9309	3248	3032	34772
	Mean	39.67	38.97	37.83	39.56	38.94	39.00
	Std Dev	7.73	7.93	7.66	7.55	7.74	7.76
	S.E.M.	0.07	0.11	0.08	0.13	0.14	0.04
Sophomore	Valid N	6284	2098	5560	1390	1301	16633
	Mean	41.12	39.43	39.56	41.40	40.12	40.33
	Std Dev	7.71	8.31	7.60	7.17	7.58	7.74
	S.E.M.	0.10	0.18	0.10	0.19	0.21	0.06
Junior	Valid N	4709	2050	4706	1093	1751	14309
	Mean	41.63	40.44	40.12	42.85	41.08	40.99
	Std Dev	7.63	8.26	7.58	7.02	7.25	7.66
	S.E.M.	0.11	0.18	0.11	0.21	0.17	0.06
Senior	Valid N	5673	1815	6852	1782	1605	17727
	Mean	42.23	39.42	41.68	44.05	42.31	41.92
	Std Dev	7.59	8.59	7.55	6.98	7.42	7.68
	S.E.M.	0.10	0.20	0.09	0.17	0.19	0.06
Table Total	Valid N	30761	11051	26427	7513	7689	83441
	Mean	40.74	39.40	39.60	41.44	40.33	40.23
	Std Dev	7.76	8.19	7.75	7.50	7.65	7.81
	S.E.M.	0.04	0.08	0.05	0.09	0.09	0.03

		DRU Ext	DRU Int	MA I & II	BA Lib	BA Gen	Table Total
<b>Student-Faculty Interaction Good Practices Index</b>							
First-Year	Valid N	14251	5177	9471	3283	3056	35238
	Mean	25.94	26.64	25.81	27.51	27.30	26.27
	Std Dev	7.05	7.33	7.26	7.42	7.37	7.23
	S.E.M.	0.06	0.10	0.07	0.13	0.13	0.04
Sophomore	Valid N	6353	2173	5625	1410	1310	16871
	Mean	25.88	27.05	26.57	27.09	27.63	26.50
	Std Dev	7.36	7.34	7.28	6.97	7.62	7.34
	S.E.M.	0.09	0.16	0.10	0.19	0.21	0.06
Junior	Valid N	4772	2106	4765	1095	1769	14507
	Mean	26.52	27.96	26.91	28.75	28.26	27.24
	Std Dev	7.51	7.41	7.43	7.48	7.43	7.50
	S.E.M.	0.11	0.16	0.11	0.23	0.18	0.06
Senior	Valid N	5729	1859	6923	1792	1630	17933
	Mean	27.13	29.09	29.00	31.27	29.80	28.71
	Std Dev	7.51	7.66	7.84	7.95	7.87	7.83
	S.E.M.	0.10	0.18	0.09	0.19	0.20	0.06
Table Total	Valid N	31105	11315	26784	7580	7765	84549
	Mean	26.23	27.37	26.99	28.50	28.10	27.00
	Std Dev	7.28	7.45	7.55	7.65	7.59	7.49
	S.E.M.	0.04	0.07	0.05	0.09	0.09	0.03

**Cooperation Among Students Index**

First-Year	Valid N	14396	5219	9593	3297	3081	35586
	Mean	24.38	23.79	23.84	24.93	24.07	24.17
	Std Dev	4.98	5.24	5.01	4.88	4.94	5.03
	S.E.M.	0.04	0.07	0.05	0.09	0.09	0.03
Sophomore	Valid N	6384	2180	5699	1411	1320	16994
	Mean	24.74	23.72	24.65	25.23	24.09	24.57
	Std Dev	5.02	5.54	5.02	4.73	5.13	5.09
	S.E.M.	0.06	0.12	0.07	0.13	0.14	0.04
Junior	Valid N	4793	2113	4815	1098	1784	14603
	Mean	24.77	23.91	24.45	25.45	23.94	24.49
	Std Dev	4.99	5.52	4.96	4.80	5.04	5.07
	S.E.M.	0.07	0.12	0.07	0.14	0.12	0.04
Senior	Valid N	5770	1850	6964	1807	1630	18021
	Mean	24.78	23.42	24.85	26.00	23.97	24.72
	Std Dev	5.01	5.42	4.97	4.73	5.05	5.06
	S.E.M.	0.07	0.13	0.06	0.11	0.13	0.04
Table Total	Valid N	31343	11362	27071	7613	7815	85204
	Mean	24.59	23.74	24.38	25.31	24.02	24.42
	Std Dev	5.00	5.38	5.01	4.82	5.02	5.06
	S.E.M.	0.03	0.05	0.03	0.06	0.06	0.02

**Active Learning Index**

First-Year	Valid N	14028	5032	9164	3230	2984	34438
	Mean	52.15	52.33	51.50	54.17	52.58	52.23
	Std Dev	9.47	9.89	9.67	9.07	9.55	9.58
	S.E.M.	0.08	0.14	0.10	0.16	0.17	0.05
Sophomore	Valid N	6291	2128	5515	1393	1255	16582
	Mean	52.29	51.85	52.51	53.94	52.07	52.43
	Std Dev	9.65	10.02	9.37	8.92	9.93	9.58
	S.E.M.	0.12	0.22	0.13	0.24	0.28	0.07
Junior	Valid N	4658	2068	4636	1081	1727	14170
	Mean	52.71	52.53	53.08	55.56	53.37	53.10
	Std Dev	9.59	9.87	9.50	9.37	10.08	9.67
	S.E.M.	0.14	0.22	0.14	0.28	0.24	0.08
Senior	Valid N	5658	1811	6714	1771	1569	17523
	Mean	53.54	52.96	54.75	57.88	54.78	54.49
	Std Dev	9.55	9.66	9.48	8.84	9.72	9.57
	S.E.M.	0.13	0.23	0.12	0.21	0.25	0.07
Table Total	Valid N	30635	11039	26029	7475	7535	82713
	Mean	52.52	52.38	52.83	55.21	53.14	52.90
	Std Dev	9.55	9.88	9.61	9.17	9.82	9.63
	S.E.M.	0.05	0.09	0.06	0.11	0.11	0.03

**Experiences with Diversity Index**

First-Year	Valid N	14207	5146	9387	3257	3027	35024
	Mean	26.77	25.69	24.88	27.88	24.96	26.05
	Std Dev	6.07	5.89	5.95	5.97	5.87	6.07
	S.E.M.	0.05	0.08	0.06	0.10	0.11	0.03
Sophomore	Valid N	6299	2146	5581	1398	1300	16724
	Mean	27.30	25.68	25.12	28.90	25.39	26.35
	Std Dev	6.03	5.72	5.74	5.78	6.17	6.01
	S.E.M.	0.08	0.12	0.08	0.15	0.17	0.05
Junior	Valid N	4731	2084	4737	1093	1767	14412
	Mean	27.02	25.69	24.82	28.30	25.62	26.03
	Std Dev	6.20	5.65	5.82	5.84	5.99	6.05
	S.E.M.	0.09	0.12	0.08	0.18	0.14	0.05
Senior	Valid N	5711	1842	6875	1786	1602	17816
	Mean	26.79	25.72	25.57	28.81	25.61	26.30
	Std Dev	6.11	5.76	5.85	5.58	6.07	6.00
	S.E.M.	0.08	0.13	0.07	0.13	0.15	0.04
Table Total	Valid N	30948	11218	26580	7534	7696	83976
	Mean	26.92	25.69	25.10	28.35	25.32	26.16
	Std Dev	6.09	5.79	5.86	5.84	6.00	6.04
	S.E.M.	0.03	0.05	0.04	0.07	0.07	0.02



## Part V: References

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## References

- Astin, A. W. (1977). *Four critical years*. San Francisco: Jossey-Bass.
- Astin, A. W. (1984). Student involvement: A developmental theory for higher education. *Journal of College Student Personnel*, 25, 297-308.
- Astin, A. W. (1985). *Achieving educational excellence: A critical assessment of priorities and practices in higher education*. San Francisco: Jossey-Bass.
- Astin, A.W. (1993). *What matters in college: Four critical years revisited*. San Francisco: Jossey-Bass.
- Baird, L. L. (1976). *Using self-reports to predict student performance*. New York: The College Board.
- Ballou, R., Bowers, D., Boyatzis, R. E., & Kolb, D. A. (1999). Fellowship in lifelong learning: An executive development program for advanced professionals. *Journal of Management Education*, 23(4), 338-354.
- Barron's profiles of American colleges*. (2001). (23<sup>rd</sup> ed.). Hauppauge, NY: Barron's Educational Series.
- Borden, V. M. H. (2001). *Measuring quality: Choosing among surveys and other assessments of college quality*. Washington, DC: American Council on Education.
- Brown, R. D. (1985). Review of College Student Experiences Questionnaire. In J.V. Mitchell, Jr. (Ed.), *The ninth mental measurements yearbook*, Vol. 1 (pp. 365-366). Lincoln, NE: University of Nebraska, Buros Institute of Mental Measurements.
- Bruffee, K. A. (1993). *Collaborative learning: Higher education, interdependence, and the authority of knowledge*. Baltimore: Johns Hopkins University Press.
- Carnegie Foundation for the Advancement of Teaching. (2000). *Carnegie classification of institutions of higher education, 2000 edition*. Menlo Park, CA: Carnegie Foundation for the Advancement of Teaching.
- Chickering, A. W. (1974). *Commuting versus resident students: Overcoming the educational inequities of living off campus* (1<sup>st</sup> ed.). San Francisco: Jossey-Bass Publishers.
- Chickering, A. W., & Gamson, Z. F. (1987). Seven principles for good practice in undergraduate education. *AAHE Bulletin*, 39(7), 3-7.
- Chickering, A. W., & Gamson, Z. F. (1999). Development and adaptations of the seven principles for good practice in undergraduate education. *New Directions for Teaching and Learning*, No. 80 (pp. 75-81). San Francisco: Jossey-Bass.

- Cohen, J. (1988). *Statistical power analysis for the behavioral sciences* (2<sup>nd</sup> ed.). Hillsdale, NJ: Erlbaum.
- DeCoster, D. A. (1989). Review of College Student Experiences Questionnaire. In J. C. Conoley and J. J. Kramer (Eds.), *The tenth mental measurements yearbook* (pp. 197-199). Lincoln, NE: University of Nebraska, Buros Institute of Mental Measurements.
- Elmore, P. B., & Rotou, O. (2001, April). *A primer on basic effect size concepts*. Paper presented at the Annual meeting of the American Educational Researcher Association, Seattle, WA.
- Ewell, P. T., & Jones, D. P. (1994). Data, indicators, and the national center for higher education management systems. *New Directions for Institutional Research*, 82.
- Ewell, P. T., & Jones, D. P. (1996). *Indicators of "good practice" in undergraduate education: A handbook for development and implementation*. Boulder, CO: National Center for Higher Education Management Systems.
- Goodsell, A., Maher, M., & Tinto, V. (Eds.). (1992). *Collaborative learning: A sourcebook for higher education*. University Park: Pennsylvania State University National Center on Postsecondary Teaching, Learning and Assessment.
- Hair, J. F., Anderson, R. E., Tatham, R. L., & Black, W. C. (1998). *Multivariate data analysis* (5<sup>th</sup> ed.). Upper Saddle River, NJ: Prentice Hall.
- Hatfield, S. R. (1995). *The seven principles in action: Improving undergraduate education*. Bolton, MA: Anker.
- Heath, D. (1968). *Growing up in college*. San Francisco: Jossey-Bass.
- Hurtado, S., Milem, J. F., Clayton-Pederson, A. R., & Allen, W. R. (1999). *Enacting diverse learning environments: Improving the climate for racial/ethnic diversity in higher education* (ASHE/ERIC Higher Education Report, No. 8). Washington, DC: George Washington University.
- Johnson, D. W., Johnson, R. T., & Smith, K. A. (1991). *Cooperative learning: Increasing college faculty instructional productivity* (ASHE-ERIC Higher Education Report, No. 4). Washington, DC: George Washington University.
- Kuh, G. D., & Pace, C. R. (1998). *College Student Expectations Questionnaire* (2<sup>nd</sup> ed.). Bloomington, IN: Indiana University.
- Kuh, G. D., & Siegel, M. J. (2000). *College Student Experiences Questionnaire: Tentative norms for the fourth edition*. Bloomington, IN: Indiana University.
- McCannon, S. (1989). Review of College Student Experiences Questionnaire. In J. C. Conoley and J. J. Kramer (Eds.), *The tenth mental measurements yearbook* (pp. 199-201). Lincoln, NE: University of Nebraska, Buros Institute of Mental Measurements.

- Mitchell, J. V., Jr. (Ed.). (1983). *Tests in print III: An index to tests, test reviews, and literature on specific tests*. Lincoln, NE: University of Nebraska, Buros Institute of Mental Measurements.
- Moos, R. H. (1979). *Evaluating educational environments*. San Francisco: Jossey-Bass.
- Pace, C. R. (1984). *Measuring the quality of college student experiences*. Los Angeles: University of California Center for the Study of Evaluation.
- Pace, C. R. (1985). *The credibility of student self-reports*. Los Angeles: University of California Center for the Study of Evaluation.
- Pace, C. R. (1987). *Test manual and norms: College Student Experiences Questionnaire*. Los Angeles: University of California Center for the Study of Evaluation.
- Pace, C. R. (1990). *The undergraduates: A report of their activities and progress in college in the 1980's*. Los Angeles: University of California Center for the Study of Evaluation.
- Pace, C. R., & Kuh, G. D. (1998). *College Student Experiences Questionnaire* (4<sup>th</sup> ed.). Bloomington, IN: Indiana University.
- Pace, C. R., & Stern, G. G. (1958). An approach to the measurement of psychological characteristics of college environments. *Journal of Educational Psychology*, 49, 269-277.
- Pascarella, E. T., & Terenzini, P. T. (1991). *How college affects students: Findings and insights from twenty years of research*. San Francisco: Jossey-Bass.
- Pike, G. R. (1993). The relationship between perceived learning and satisfaction with college: An alternative view. *Research in Higher Education*, 34, 23-40.
- Pike, G. R. (1995). The relationships between self reports of college experiences and achievement test scores. *Research in Higher Education*, 36, 1-22.
- Rosnow, R. L., & Rosenthal, R. (1996). Computing contrasts, effect sizes, and counternulls on other people's published data: General procedures for research consumers. *Psychological Methods*, 1, 331-340.
- Salant, P. & Dillman, D. A. (1994). *How to conduct your own survey*. New York: Wiley.
- Sorcinelli, M. D. (1991). Research findings on the seven principles. In A. W. Chickering & Z. F. Gamson (Eds.), *Applying the Seven Principles for Good Practice in Undergraduate Education, New Directions for Teaching and Learning, No. 47* (pp. 13-25). San Francisco: Jossey-Bass.
- Terenzini, P. T., Pascarella, E. T., & Blimling, G. S. (1996). Students' out-of-classroom experiences and their influence on learning and cognitive development: A literature review. *Journal of College Student Development*, 37(2), 149-162.

- Thompson, B. (1996). AERA editorial policies regarding statistical significance testing: Three suggested reforms. *Educational Researcher*, 25(2), 26-30.
- Thompson, B. (2002). What future quantitative social science research could look like: Confidence intervals for effect sizes. *Educational Researcher*, 31(3), 25-32.
- Tinto, V. (1993). *Leaving college: Rethinking the causes and cures of student attrition*. Chicago: University of Chicago Press.
- Turner, C. F., & Martin, E. (Eds.). (1984). *Surveying subjective phenomena*, Vol. 1. New York: Russell Sage Foundation.
- Twigg, C. A. (1995). *The need for a national learning infrastructure*. Washington, DC: Educom.





Part VI:  
Appendices

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## Appendix A: CSEQ Users Since 1983

(4<sup>th</sup> edition users denoted by ♦)

Abilene Christian University	Carson-Newman College ♦	Fairleigh Dickinson University, Florham-
Adrian College ♦	Carthage College	Madison
Alabama State University	Case Western Reserve University	Fairleigh Dickinson University,
Alderson-Broaddus College	Castleton State College ♦	Rutherford
Alice Lloyd College ♦	Cedar Crest College ♦	Fairleigh Dickinson University, Teaneck
Allan Hancock College ♦	Central Connecticut State College	Ferris State University ♦
Allegheny College	Central Michigan University ♦	Ferrum College
Allen College of Nursing	Central State University	Florida A & M University ♦
Alma College ♦	Chicago State University	Florida Southern College
Amherst College	Christian Brothers College	Florida State University ♦
Ancilla College ♦	Christopher Newport College	Fontbonne University ♦
Anderson University ♦	Clarkson University	Fort Hays State University
Antioch College	Clemson University ♦	Fort Lewis College
Appalachian State University ♦	Cleveland State University	Franklin College of Indiana ♦
Arizona State University West ♦	Coastal Carolina University	George Mason University ♦
Aurora University	Coker College	George Washington University ♦
Austin Peay State University ♦	Colgate University	Georgetown University
Ball State University ♦	College of New Jersey	Georgia Southern College
Barnard College ♦	College of Saint Catherine	Georgia State University ♦
Beloit College	College of Saint Scholastica	Glenville State College ♦
Berea College	College of the Atlantic	Goshen College ♦
Bethel College	College of William and Mary	Grand Valley State University
Bloomfield College	Colorado Mountain College	Grinnell College
Bluefield College	Colorado State University ♦	Gustavus Adolphus College
Boston College	Columbia International University ♦	Hamilton College
Bowling Green State University ♦	Concordia College	Hamline University ♦
Brescia University ♦	Concordia College-Moorhead ♦	Hampshire College ♦
Bridgewater College ♦	Cornell University ♦	Hanover College ♦
Bridgewater State College	Cumberland College	Hartwick College
Brigham Young University ♦	Dartmouth College ♦	Hastings College
Brigham Young University, Hawaii ♦	Delaware Valley College of Science and	Heidelberg College
Brigham Young University, Idaho ♦	Agriculture	Hilbert College
Bryan College	DePauw University ♦	Hiram College
Bryn Mawr College	DeSales University ♦	Hiwassee College
California Polytechnic State University,	Drake University	Hofstra University
San Luis Obispo	Drexel University	Holy Cross College
California State University, Fresno	Duke University ♦	Humboldt State University
California State University, Long	Durham Technical Community College	Huntington College
Beach ♦	Earlham College	Illinois Benedictine College
California State University, Northridge	East Carolina University ♦	Illinois Institute of Technology
California State University, Chico	East Los Angeles College	Illinois State University
California State University, Fullerton	East Tennessee State University ♦	Immaculata College ♦
California State University, Hayward ♦	Eastern Washington University ♦	Indiana Institute of Technology ♦
Calumet College of Saint Joseph ♦	Eckerd College	Indiana State University ♦
Canisius College	Elizabethtown College ♦	Indiana University ♦
Carleton College ♦	Elmira College ♦	Indiana University of Pennsylvania ♦
	Evergreen State College	

Indiana University-Purdue University  
     Indianapolis  
 Indiana Wesleyan University ♦  
 Iowa State University ♦  
 Ithaca College  
 Jacksonville State University ♦  
 James Madison University  
 Johns Hopkins University ♦  
 Juniata College  
 Kennesaw State College  
 Kent State University ♦  
 Kentucky State University  
 Keuka College  
 Knox College  
 Kutztown University ♦  
 La Guardia Community College ♦  
 La Salle University ♦  
 LaGrange College ♦  
 Lawrence University  
 Le Moyne College  
 Lewis and Clark College  
 Lincoln University  
 Longwood College ♦  
 Loras College  
 Los Angeles City College  
 Luther College (IA)  
 Lynchburg College  
 Lynn University  
 Macalester College  
 Manchester College ♦  
 Mankato State University ♦  
 Mansfield University ♦  
 Marian College  
 Marquette University  
 Mars Hill College  
 Mary Baldwin College  
 Mary Washington College ♦  
 Marymount Manhattan College  
 Maryville College  
 Mass. College of Pharmacy and Allied  
     Health Sciences ♦  
 Massachusetts Institute of Technology ♦  
 McKendree College  
 MedCentral College of Nursing ♦  
 Mercyhurst College  
 Messiah College ♦  
 Metropolitan State College  
 Miami University of Ohio ♦  
 Michigan State University  
 Middle Tennessee State University ♦  
 Midland Lutheran College

Milligan College  
 Millsaps College ♦  
 Mississippi University for Women  
 Montclair State University  
 Moravian College  
 Morehead State University  
 Morgan State University  
 Mount Holyoke College ♦  
 Mount Saint Mary's College  
 Murray State University  
 Nazareth College ♦  
 Nebraska Wesleyan University  
 Nevada State College ♦  
 North Carolina State University ♦  
 North Central College  
 North Iowa Area Community College  
 Northeastern State University ♦  
 Northern Arizona University ♦  
 Northern Essex Community College  
 Northern Illinois University  
 Northwest Alabama Community College  
 Northwest Missouri State University  
 Northwestern State University ♦  
 Northwestern University  
 Notre Dame College ♦  
 Oakland City University ♦  
 Oakland University ♦  
 Oberlin College ♦  
 Occidental College  
 Ohio State University ♦  
 Old Dominion University  
 Olivet College  
 Oregon State University  
 Otterbein College ♦  
 Pacific Christian College  
 Peace College ♦  
 Penn State University - Hazleton ♦  
 Pennsylvania State University ♦  
 Pennsylvania State University, Behrend  
 Pennsylvania State University,  
     Worthington- Scranton  
 Philadelphia Coll. of Textiles &  
     Science ♦  
 Pierce Community College  
 Plymouth State College  
 Prairie View A&M University  
 Purdue University Main Campus ♦  
 Purdue University-Calumet  
 Regis College  
 Rhode Island College  
 Rhodes College ♦

Rice University  
 Ricks College  
 Roberts Wesleyan College ♦  
 Rochester Institute of Technology  
 Roger Williams College  
 Rollins College  
 Rowan College of New Jersey  
 Rutgers University ♦  
 Saint Ambrose College  
 Saint Anthony College of Nursing  
 Saint Francis College (IN)  
 Saint Francis Med. Ctr. Col. of  
     Nursing ♦  
 Saint Joseph's College ♦  
 Saint Louis University  
 Saint Mary's University ♦  
 Saint Mary-of-the-Woods College  
 Saint Mary's College ♦  
 Saint Mary's College (IN)  
 Saint Mary's College of California  
 Saint Meinrad College  
 Saint Olaf College  
 Saint Vincent College  
 Salisbury State College  
 San Diego State University  
 San Jose Christian College  
 Santa Clara University  
 Savannah State University ♦  
 Seattle Pacific University ♦  
 Seton Hall University ♦  
 Shelby State Community College  
 Shenandoah University ♦  
 Shippensburg University ♦  
 Shorter College ♦  
 Smith College ♦  
 Sonoma State University ♦  
 Southeast Missouri State University  
 Southern Illinois University ♦  
 Southern Methodist University  
 Southwest State University  
 Southwest Texas State University  
 Southwestern Adventist College  
 Southwestern University  
 Spartanburg Methodist College ♦  
 Spelman College  
 Stanford University ♦  
 Stonehill College ♦  
 SUNY at Buffalo ♦  
 SUNY at Oswego  
 SUNY College at Cortland  
 SUNY College at Oneonta ♦

SUNY College at Plattsburgh  
 SUNY College at Potsdam ♦  
 Susquehanna University  
 Swarthmore College ♦  
 Syracuse University ♦  
 Taylor University  
 Texas A & M University ♦  
 Texas Christian University ♦  
 Texas Tech University  
 Tougaloo College ♦  
 Towson State University  
 Trevecca Nazarene College  
 Trinity College ♦  
 Trinity University ♦  
 Tri-State University ♦  
 Triton College  
 Truman State University ♦  
 Tuskegee University  
 Union College  
 University of Alabama at Birmingham  
 University of Arizona  
 University of Buffalo  
 University of California, Davis  
 University of California, Irvine  
 University of California, Los Angeles  
 University of California, San Diego ♦  
 University of California, Santa Barbara ♦  
 University of Central Florida ♦  
 University of Charleston  
 University of Chicago ♦  
 University of Cincinnati  
 University of Connecticut  
 University of Dayton ♦  
 University of Delaware ♦  
 University of Denver  
 University of Evansville ♦  
 University of Florida  
 University of Georgia ♦  
 University of Hawaii at Hilo ♦  
 University of Hawaii at Manoa ♦  
 University of Illinois at Chicago  
 University of Illinois at Urbana ♦  
 University of Indianapolis ♦  
 University of Iowa  
 University of Kentucky  
 University of Louisville  
 University of Lowell  
 University of Maryland Baltimore  
 County  
 University of Maryland College Park ♦  
 University of Massachusetts at Boston  
 University of Memphis  
 University of Michigan (Ann Arbor)  
 University of Michigan-Dearborn  
 University of Minnesota-Twin Cities  
 University of Missouri - Columbia ♦  
 University of Missouri - Kansas City ♦  
 University of Missouri - St. Louis  
 University of Montevallo ♦  
 University of Nebraska - Lincoln ♦  
 University of Nebraska at Kearney  
 University of Nevada, Reno  
 University of Nevada-Las Vegas ♦  
 University of New Mexico  
 University of North Carolina, Asheville ♦  
 University of North Carolina, Chapel  
 Hill ♦  
 University of North Carolina at Charlotte  
 University of Northern Colorado  
 University of Northern Iowa ♦  
 University of Oklahoma  
 University of Pennsylvania  
 University of Pittsburgh at Johnstown ♦  
 University of Redlands  
 University of Rhode Island  
 University of Richmond  
 University of Rochester ♦  
 University of Scranton  
 University of South Carolina ♦  
 University of South Carolina-Aiken  
 University of South Dakota  
 University of Southern California ♦  
 University of Southern Colorado  
 University of Southern Mississippi  
 University of Tennessee at Knoxville  
 University of Tennessee at Martin  
 University of Texas at Arlington  
 University of Texas, El Paso  
 University of the Incarnate Word ♦  
 University of Toledo  
 University of Vermont ♦  
 University of Virgin Islands  
 University of Virginia's College at  
 Wise ♦  
 University of Western Ontario  
 University of Wisconsin, Center System  
 University of Wisconsin-La Crosse  
 University of Wisconsin-Oshkosh  
 University of Wisconsin-Platteville  
 University of Wisconsin-River Falls ♦  
 University of Wisconsin-Stevens Point ♦  
 University of Wisconsin-Whitewater  
 Urbana University  
 Ursinus College  
 Utah State University ♦  
 Vanderbilt University  
 Villanova University ♦  
 Virginia Commonwealth University  
 Virginia Intermont College  
 Virginia Military Institute  
 Virginia Polytechnic Institute and State  
 University ♦  
 Virginia Wesleyan College  
 Wake Forest University ♦  
 Waldorf College ♦  
 Warren Wilson College  
 Washburn University of Topeka  
 Washington State University ♦  
 Webster University  
 Wellesley College ♦  
 Wesleyan College ♦  
 Wesleyan University ♦  
 West Chester University of  
 Pennsylvania ♦  
 West Virginia State College  
 Western Connecticut State University  
 Western Michigan University  
 Western Oregon State College  
 Western State College of Colorado  
 Westminster College (MO)  
 Wheeling Jesuit College  
 Wichita State University  
 Wilkes University ♦  
 Willamette University  
 William Jewell College  
 Williams College ♦  
 Wisconsin Lutheran College ♦  
 Wofford College  
 Worcester Polytechnic Institute  
 Xavier University ♦  
 Xavier University of Louisiana ♦  
 Yeshiva University ♦





## College Student Experiences Questionnaire

This questionnaire asks about how you spend your time at college--with faculty and friends and in classes, social and cultural activities, extracurricular activities, employment, and use of campus facilities such as the library and student center. The usefulness of this or any other survey depends on the thoughtful responses of those who are asked to complete it. Your participation is very important and greatly appreciated.

The information obtained from you and other students at many different colleges and universities will help administrators, faculty members, student leaders, and others to improve the conditions that contribute to your learning and development and to the quality of the experience of those who will come after you.

At first glance, you may think it will take a long time to complete this questionnaire, but it can be answered in about 30 minutes or less. And you will learn some valuable things about yourself, as your answers provide a kind of self-portrait of what you have been doing and how you are benefitting from your college experience.

You do not have to write your name on the questionnaire. But as you will see on the next page we would like to know some things about you so that we can learn how college experiences vary, depending on students' age, sex, year in college, major field, where they live, whether they have a job, and so forth. To know where the reports come from, a number on the back page identifies your institution.

Your questionnaire will be read by an electronic scanning device, so be careful in marking your responses. **Please use only a #2 black lead pencil.** Do not write or make any marks on the questionnaire outside the spaces provided for your answers. Erase cleanly any responses you want to change. **It is very important to answer all questions;** if you are uncertain about what a question means, use your best judgment.

Thank you for your cooperation and participation!

This questionnaire is available from the Indiana University Center for Postsecondary Research and Planning, School of Education, 201 North Rose Avenue, Bloomington, IN 47405-1006. It is for use by individuals and institutions interested in documenting, understanding, and improving the student experience.



## BACKGROUND INFORMATION

**DIRECTIONS:** Indicate your response by filling in the appropriate oval next to the correct answer.

### Age

- 19 or younger       30 - 39  
 20 - 23             40 - 55  
 24 - 29             Over 55

### Sex

- male                       female

### What is your marital status?

- not married             separated  
 married                 widowed  
 divorced

### What is your classification in college?

- freshman/first-year     senior  
 sophomore               graduate student  
 junior                     unclassified

### Did you begin college here or did you transfer here from another institution?

- started here  
 transferred from another institution

### Where do you now live during the school year?

- dormitory or other campus housing  
 residence (house, apartment, etc.) within walking distance of the institution  
 residence (house, apartment, etc.) within driving distance  
 fraternity or sorority house

### With whom do you live during the school year? (Fill in all that apply)

- no one, I live alone  
 one or more other students  
 my spouse or partner  
 my child or children  
 my parents  
 other relatives  
 friends who are not students at the institution I'm attending  
 other people: who?

### Do you have access to a computer where you live or work, or nearby that you can use for your school work?

- yes  
 no

### What have most of your grades been up to now at this institution?

- A                               B-, C+  
 A-, B+                       C, C-, or lower  
 B

### Which of these fields best describes your major, or your anticipated major? You may indicate more than one if applicable.

- Agriculture  
 Biological/life sciences (biology, biochemistry, botany, zoology, etc.)  
 Business (accounting, business administration, marketing, management, etc.)  
 Communication (speech, journalism, television/radio, etc.)  
 Computer and information sciences  
 Education  
 Engineering  
 Ethnic, cultural studies, and area studies  
 Foreign languages and literature (French, Spanish, etc.)  
 Health-related fields (nursing, physical therapy, health technology, etc.)  
 History  
 Humanities (English, literature, philosophy, religion, etc.)  
 Liberal/general studies  
 Mathematics  
 Multi/interdisciplinary studies (international relations, ecology, environmental studies, etc.)  
 Parks, recreation, leisure studies, sports management  
 Physical sciences (physics, chemistry, astronomy, earth science, etc.)  
 Pre-professional (pre-dental, pre-medical, pre-veterinary)  
 Public administration (city management, law enforcement, etc.)  
 Social sciences (anthropology, economics, political science, psychology, sociology, etc.)  
 Visual and performing arts (art, music, theater, etc.)  
 Undecided  
 Other: What?

### Did either of your parents graduate from college?

- no                               yes, mother only  
 yes, both parents         don't know  
 yes, father only

### Do you expect to enroll for an advanced degree when, or if, you complete your undergraduate degree?

- yes                               no

### How many credit hours are you taking this term?

- 6 or fewer                 15 - 16  
 7 - 11                       17 or more  
 12 - 14

### During the time school is in session, about how many hours a week do you usually spend outside of class on activities related to your academic program, such as studying, writing, reading, lab work, rehearsing, etc.?

- 5 or fewer hours a week     21 - 25 hours a week  
 6 - 10 hours a week         26 - 30 hours a week  
 11 - 15 hours a week         more than 30 hours a week  
 16 - 20 hours a week



During the time school is in session, about how many hours a week do you usually spend working on a job for pay? To provide information about your work experiences on and off campus, fill in one oval in each column.

	ON-CAMPUS	OFF-CAMPUS
None; I don't have a job	<input type="radio"/>	<input type="radio"/>
1 - 10 hours a week	<input type="radio"/>	<input type="radio"/>
11 - 20 hours	<input type="radio"/>	<input type="radio"/>
21 - 30 hours	<input type="radio"/>	<input type="radio"/>
31 - 40 hours	<input type="radio"/>	<input type="radio"/>
More than 40 hours	<input type="radio"/>	<input type="radio"/>

If you have a job, how does it affect your school work?

- I don't have a job
- My job does not interfere with my school work
- My job takes some time from my school work
- My job takes a lot of time from my school work

How do you meet your college expenses? Fill in the response that best approximates the amount of support from each of the various sources.

	None	Very Little	Less Than Half	About Half	More Than Half	All or Nearly All
Self (job, savings, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Parents	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Spouse or partner	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Employer support	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scholarships and grants	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Loans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other sources	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

What is your racial or ethnic identification? (Fill in all that apply)

- American Indian or other Native American
- Asian or Pacific Islander
- Black or African American
- Caucasian (other than Hispanic)
- Mexican American
- Puerto Rican
- Other Hispanic
- Other: What?

## COLLEGE ACTIVITIES

**DIRECTIONS:** In your experience at this institution during the current school year, about how often have you done each of the following? Indicate your response by filling in one of the ovals to the right of each statement.

	Very Often	Often	Occasionally	Never
<b>Library</b>				
Used the library as a quiet place to read or study materials you brought with you.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Found something interesting while browsing in the library.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Asked a librarian or staff member for help in finding information on some topic.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Read assigned materials other than textbooks in the library (reserve readings, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used an index or database (computer, card catalog, etc.) to find material on some topic.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Developed a bibliography or reference list for a term paper or other report.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gone back to read a basic reference or document that other authors referred to.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Made a judgment about the quality of information obtained from the library, World Wide Web, or other sources.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Very Often	Often	Occasionally	Never
<b>Computer and Information Technology</b>				
Used a computer or word processor to prepare reports or papers.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used e-mail to communicate with an instructor or other students.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used a computer tutorial to learn material for a course or developmental/remedial program.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Participated in class discussions using an electronic medium (e-mail, list-serve, chat group, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Searched the World Wide Web or Internet for information related to a course.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used a computer to retrieve materials from a library <u>not</u> at this institution.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used a computer to produce visual displays of information (charts, graphs, spreadsheets, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used a computer to analyze data (statistics, forecasting, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Developed a Web page or multimedia presentation.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**DIRECTIONS:** In your experience at this institution during the current school year, about how often have you done each of the following? Indicate your response by filling in one of the ovals to the right of each statement.

	Very Often	Often	Occasionally	Never
<b>Course Learning</b>				
Completed the assigned readings for class.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Took detailed notes during class.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Contributed to class discussions.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Developed a role play, case study, or simulation for a class.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tried to see how different facts and ideas fit together.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Summarized major points and information from your class notes or readings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Worked on a class assignment, project, or presentation with other students.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Applied material learned in a class to other areas (your job or internship, other courses, relationships with friends, family, co-workers, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used information or experience from other areas of your life (job, internship, interactions with others) in class discussions or assignments.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tried to explain material from a course to someone else (another student, friend, co-worker, family member)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Worked on a paper or project where you had to integrate ideas from various sources.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Writing Experiences</b>				
Used a dictionary or thesaurus to look up the proper meaning of words.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Thought about grammar, sentence structure, word choice, and sequence of ideas or points as you were writing.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Asked other people to read something you wrote to see if it was clear to them.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Referred to a book or manual about writing style, grammar, etc.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Revised a paper or composition two or more times before you were satisfied with it.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Asked an instructor or staff member for advice and help to improve your writing.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Prepared a major written report for a class (20 pages or more).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Very Often	Often	Occasionally	Never
<b>Experiences with Faculty</b>				
Talked with your instructor about information related to a course you were taking (grades, make-up work, assignments, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Discussed your academic program or course selection with a faculty member.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Discussed ideas for a term paper or other class project with a faculty member.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Discussed your career plans and ambitions with a faculty member.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Worked harder as a result of feedback from an instructor.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Socialized with a faculty member outside of class (had a snack or soft drink, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Participated with other students in a discussion with one or more faculty members outside of class.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Asked your instructor for comments and criticisms about your academic performance.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Worked harder than you thought you could to meet an instructor's expectations and standards.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Worked with a faculty member on a research project.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Art, Music, Theater</b>				
Talked about art (painting, sculpture, artists, etc.) or the theater (plays, musicals, dance, etc.) with other students, friends, or family members.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Went to an art exhibit/gallery or a play, dance, or other theater performance, on or off the campus.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Participated in some art activity (painting, pottery, weaving, drawing, etc.) or theater event, or worked on some theatrical production (acted, danced, worked on scenery, etc.), on or off the campus.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Talked about music or musicians (classical, popular, etc.) with other students, friends, or family members.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Attended a concert or other music event, on or off the campus.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Participated in some music activity (orchestra, chorus, dance, etc.) on or off the campus.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Read or discussed the opinions of art, music, or drama critics.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



**DIRECTIONS:** In your experience at this institution during the current school year, about how often have you done each of the following? Indicate your response by filling in one of the ovals to the right of each statement.

	Very Often	Often	Occasionally	Never
<b>Campus Facilities</b>				
Used a campus lounge to relax or study by yourself.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Met other students at some campus location (campus center, etc.) for a discussion.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Attended a cultural or social event in the campus center or other campus location.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Went to a lecture or panel discussion.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used a campus learning lab or center to improve study or academic skills (reading, writing, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used campus recreational facilities (pool, fitness equipment, courts, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Played a team sport (intramural, club, intercollegiate).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Followed a regular schedule of exercise or practice for some recreational sporting activity.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Clubs and Organizations</b>				
Attended a meeting of a campus club, organization, or student government group.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Worked on a campus committee, student organization, or project (publications, student government, special event, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Worked on an off-campus committee, organization, or project (civic group, church group, community event, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Met with a faculty member or staff advisor to discuss the activities of a group or organization.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managed or provided leadership for a club or organization, on or off the campus.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Personal Experiences</b>				
Told a friend or family member why you reacted to another person the way you did.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Discussed with another student, friend, or family member why some people get along smoothly, and others do not.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Asked a friend for help with a personal problem.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Read articles or books about personal growth, self-improvement, or social development.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identified with a character in a book, movie, or television show and wondered what you might have done under similar circumstances.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Taken a test to measure your abilities, interests, or attitudes.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Asked a friend to tell you what he or she really thought about you.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Talked with a faculty member, counselor or other staff member about personal concerns.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Very Often	Often	Occasionally	Never
<b>Student Acquaintances</b>				
Became acquainted with students whose interests were different from yours.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Became acquainted with students whose family background (economic, social) was different from yours.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Became acquainted with students whose age was different from yours.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Became acquainted with students whose race or ethnic background was different from yours.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Became acquainted with students from another country.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Had serious discussions with students whose philosophy of life or personal values were very different from yours.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Had serious discussions with students whose political opinions were very different from yours.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Had serious discussions with students whose religious beliefs were very different from yours.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Had serious discussions with students whose race or ethnic background was different from yours.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Had serious discussions with students from a country different from yours.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Scientific and Quantitative Experiences</b>				
Memorized formulas, definitions, technical terms and concepts.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used mathematical terms to express a set of relationships.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Explained your understanding of some scientific or mathematical theory, principle or concept to someone else (classmate, co-worker, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Read articles about scientific or mathematical theories or concepts in addition to those assigned for a class.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Completed an experiment or project using scientific methods.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Practiced to improve your skill in using a piece of laboratory equipment.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Showed someone else how to use a piece of scientific equipment.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Explained an experimental procedure to someone else.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Compared the scientific method with other methods for gaining knowledge and understanding.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Explained to another person the scientific basis for concerns about scientific or environmental issues (pollution, recycling, alternative sources of energy, acid rain) or similar aspects of the world around you.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## CONVERSATIONS

**DIRECTIONS:** In conversations with others (students, family members, co-workers, etc.) outside the classroom during this school year, about how often have you talked about each of the following?

Topics of Conversation	Very Often	Often	Occasionally	Never
Current events in the news.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social issues such as peace, justice, human rights, equality, race relations.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Different lifestyles, customs, and religions.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The ideas and views of other people such as writers, philosophers, historians.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The arts (painting, poetry, dance, theatrical productions, symphony, movies, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Science (theories, experiments, methods, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Computers and other technologies.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social and ethical issues related to science and technology such as energy, pollution, chemicals, genetics, military use.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The economy (employment, wealth, poverty, debt, trade, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
International relations (human rights, free trade, military activities, political differences, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Information in Conversations	Very Often	Often	Occasionally	Never
Referred to knowledge you acquired in your reading or classes.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Explored different ways of thinking about the topic.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Referred to something one of your instructors said about the topic.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Subsequently read something that was related to the topic.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Changed your opinion as a result of the knowledge or arguments presented by others.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Persuaded others to change their minds as a result of the knowledge or arguments you cited.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## READING/WRITING

During this current school year, about how many books have you read? Fill in one response for each item listed below.	None	Fewer than 5	Between 5 and 10	Between 10 and 20	More than 20
Textbooks or assigned books	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Assigned packs of course readings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Non-assigned books	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

During this current school year, about how many exams, papers, or reports have you written? Fill in one response for each item listed below.	None	Fewer than 5	Between 5 and 10	Between 10 and 20	More than 20
Essay exams for your courses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Term papers or other written reports	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## OPINIONS ABOUT YOUR COLLEGE OR UNIVERSITY

**How well do you like college?**

- I am enthusiastic about it.
- I like it.
- I am more or less neutral about it.
- I don't like it.

**If you could start over again, would you go to the same institution you are now attending?**

- Yes, definitely
- Probably yes
- Probably no
- No, definitely



# THE COLLEGE ENVIRONMENT

Colleges and universities differ from one another in the extent to which they emphasize or focus on various aspects of students' development. Thinking of your experience at this institution, to what extent do you feel that each of the following is emphasized? The responses are numbered from 7 to 1, with the highest and lowest points illustrated. Fill in the oval with the number that best represents your impression on each of the following seven-point rating scales.

## Emphasis on developing academic, scholarly, and intellectual qualities

Strong Emphasis ⑦ ⑥ ⑤ ④ ③ ② ① Weak Emphasis

## Emphasis on developing aesthetic, expressive, and creative qualities

Strong Emphasis ⑦ ⑥ ⑤ ④ ③ ② ① Weak Emphasis

## Emphasis on developing critical, evaluative, and analytical qualities

Strong Emphasis ⑦ ⑥ ⑤ ④ ③ ② ① Weak Emphasis

## Emphasis on developing an understanding and appreciation of human diversity

Strong Emphasis ⑦ ⑥ ⑤ ④ ③ ② ① Weak Emphasis

## Emphasis on developing information literacy skills (using computers, other information resources)

Strong Emphasis ⑦ ⑥ ⑤ ④ ③ ② ① Weak Emphasis

## Emphasis on developing vocational and occupational competence

Strong Emphasis ⑦ ⑥ ⑤ ④ ③ ② ① Weak Emphasis

## Emphasis on the personal relevance and practical value of your courses

Strong Emphasis ⑦ ⑥ ⑤ ④ ③ ② ① Weak Emphasis

The next three ratings refer to relations with people at this college. Again, thinking of your own experience, please rate the quality of these relationships on each of the following seven-point rating scales.

## Relationships with other students

Friendly, Supportive, Sense of belonging ⑦ ⑥ ⑤ ④ ③ ② ① Competitive, Uninvolved, Sense of alienation

## Relationships with administrative personnel and offices

Helpful, Considerate, Flexible ⑦ ⑥ ⑤ ④ ③ ② ① Rigid, Impersonal, Bound by regulations

## Relationships with faculty members

Approachable, Helpful, Understanding, Encouraging ⑦ ⑥ ⑤ ④ ③ ② ① Remote, Discouraging, Unsympathetic

## ESTIMATE OF GAINS

**DIRECTIONS:** In thinking about your college or university experience up to now, to what extent do you feel you have gained or made progress in the following areas? Indicate your response by filling in one of the ovals to the right of each statement.

	Very Little	Some	Quite a Bit	Very Much
Acquiring knowledge and skills applicable to a specific job or type of work (vocational preparation).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Acquiring background and specialization for further education in a professional, scientific, or scholarly field.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gaining a broad general education about different fields of knowledge.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gaining a range of information that may be relevant to a career.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Developing an understanding and enjoyment of art, music, and drama.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Broadening your acquaintance with and enjoyment of literature.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seeing the importance of history for understanding the present as well as the past.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gaining knowledge about other parts of the world and other people (Asia, Africa, South America, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Writing clearly and effectively.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Presenting ideas and information effectively when speaking to others.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Using computers and other information technologies.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Becoming aware of different philosophies, cultures, and ways of life.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Developing your own values and ethical standards.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Very Little	Some	Quite a Bit	Very Much
Understanding yourself, your abilities, interests, and personality.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Developing the ability to get along with different kinds of people.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Developing the ability to function as a member of a team.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Developing good health habits and physical fitness.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Understanding the nature of science and experimentation.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Understanding new developments in science and technology.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Becoming aware of the consequences (benefits, hazards, dangers) of new applications of science and technology.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Thinking analytically and logically.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Analyzing quantitative problems (understanding probabilities, proportions, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Putting ideas together, seeing relationships, similarities, and differences between ideas.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Learning on your own, pursuing ideas, and finding information you need.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Learning to adapt to change (new technologies, different jobs or personal circumstances, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## ADDITIONAL QUESTIONS

- |                                                                                                                            |                                                                                                                             |                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 1. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E | 8. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E  | 15. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E |
| 2. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E | 9. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E  | 16. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E |
| 3. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E | 10. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E | 17. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E |
| 4. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E | 11. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E | 18. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E |
| 5. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E | 12. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E | 19. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E |
| 6. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E | 13. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E | 20. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E |
| 7. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E | 14. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E |                                                                                                                             |

OTHER ID#,  
If Requested

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
0	1	2	3	4	5	6	7	8	9
0	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9

**THANK YOU FOR YOUR PARTICIPATION!**

## **Appendix C: Third to Fourth Edition Changes in the CSEQ**

Over 150,000 students at several hundred colleges and universities completed the Third Edition of the CSEQ. After consulting with two dozen higher education scholars and assessment experts, the CSEQ was revised during the 1996-1997 academic year. Some items were modified and a handful of redundant items were dropped to make room for new items. Taken together, these changes resulted in an instrument that embodies a broader range of learning environments including such off campus settings as employment and community agencies. These changes were made without increasing the overall length of the CSEQ. Moreover, the guiding assumptions and basic architecture of the instrument remain intact.

As with its predecessor, the Fourth Edition has the following sections: Background Information, College Activities, Reading/Writing, Environment, Opinions about College, and Estimate of Gains. The Fourth Edition also has space for 20 additional questions, twice the number available on the Third Edition. The following paragraphs explain in more detail the additions and modifications between the Third and Fourth Editions of the CSEQ.

### **Background Information**

Only one background item from the Third Edition was dropped: “Have you at any time while attending this college lived in a college dormitory, fraternity or sorority house, or other college housing?” The empirical link between living on campus and college impact has been firmly established. In addition, the Place of Residence item includes campus housing as a response option.

#### *Age*

The number of response options for the respondent’s age was expanded from three categories to six to reflect the wide range of ages of students participating in higher education.

#### *Marital Status*

In addition to “not married” and “married,” three other response categories were added: “divorced,” “separated,” and “widowed.”

#### *Classification in College*

The number of response options was increased from five to six by adding unclassified.

#### *Place of Residence*

The response options were clarified to distinguish between students who live on campus and those who live off campus within walking distance and those within driving distance of the campus.

#### *Major Field*

The list of major fields was expanded from 16 to 23 choices to be consistent with the list of majors used by the U.S. Department of Education.

### *Enrollment*

Response options were expanded for the number of credit hours in which students were enrolled.

### *School Work*

This question was modified to specifically assess the amount of time students devote to academic activities outside of class, such as studying, writing, reading, lab work, rehearsing and so forth.

### *Employment*

The response options for the number of hours students work per week now distinguish between campus and off-campus jobs.

### *College Expenses*

The response options for this item were modified substantially to reflect the variety of financial aid sources and the increasing importance of financial aid to college attendance and persistence.

### *Race and Ethnicity*

The response categories were modified to be consistent with the U.S. Bureau of Census classification system.

### *New Items*

Three new background items were added: “With whom do you live during the school year?”; “Do you have access to a computer where you live or work?”; and “If you have a job, how does it affect your school work?” These items were added because they are likely to affect how much time and effort students expend in their studies, and therefore, how much they gain. For example, peers and family members typically have a substantial influence on how students spend their time. Electronic technology has become an essential learning tool. Finally, an increasing majority of undergraduates work while going to school and more information is needed about the relationship between work and learning.

### **College Activities**

The number of Activities scales (also known as Quality of Effort scales) has been reduced from 14 to 13 and the total number of items contributing to these scales was reduced from 138 to 109. Preliminary reliability data from a field test of students at a research university, a selective liberal arts college, and an urban university indicated that coefficients (Cronbach’s alpha) were all acceptable, within one or two points of Third Edition coefficients. The reliability coefficients for all Fourth Edition scales are located in Part II: Psychometric Properties.

Four 10-item scales from the Third Edition do not appear in the Fourth Edition – Student Union, Athletic and Recreational Facilities, Clubs and Organizations, and Campus Residence. The Fourth edition has a scale labeled Clubs and Organizations but it contains only four of the original activities and adds one new activity, but the new scale still contains the essence of the old scale. Some items from the Third edition in the scales labeled Student Union and Athletics



and Recreational Facilities have been reused in the Fourth Edition scale labeled Campus Facilities. The Third Edition Campus Residence scale was dropped from the Fourth Edition to de-emphasize the traditional student experience and make the questionnaire more inclusive of non-residential campuses. Individual institutions can choose to use this scale as additional questions if desired. Information about the Fourth Edition scales is reported next.

### *Library Experiences*

The length of this scale was reduced from 10 to 8 items. Five items from the Third Edition were retained unmodified: “Used the library as a quiet place to read or study materials you brought with you;” “Found something interesting while browsing in the library;” “Asked a librarian or staff member for help in finding information on some topic;” “Developed a bibliography or set of references for use in a term paper or other report;” and “Gone back to read a basic reference or document that other authors referred to.” Two items from the Third Edition (“Used the card catalog or computer to locate materials;” “Used indexes to journal articles”) were combined into one item, “Used an index or database, computer, card catalog, etc., to find material on some topic.” The wording of another item, “Read something in a reserved book room or reference section,” was revised slightly to read, “Read assigned materials other than textbooks in the library (reserved readings, etc.).” One new item was added: “Made a judgment about the quality of information obtained from the library, World Wide Web, or other sources” to reflect the greater intellectual effort required to evaluate the quality of information. Two items from the Third Edition were dropped: “Ran down leads, looked for further references that were cited in things you read” and “Checked out books to read (not textbooks).”

### *Computer and Information Technology (9 items).*

This is a new scale.

### *Course Learning*

This scale now includes 11 items, one more than the Third Edition. Three items were dropped: “Underlined major points in the readings,” “Made outlines from class notes or readings,” and “Did additional readings on topics.” The last item was dropped because it was redundant with an item in the Reading section that asks students to report the number of non-assigned books they read. The item about thinking about practical applications of the material was modified and now reads, “Applied material learned in a class to other areas (your job or internship, other courses, relationships with friends, family, co-workers, etc.).” Several minor wording changes were made in two items: “Participated in class discussions” now reads, “Contributed to class discussions” to denote playing an active role in class, and “Tried to explain the material to another student or friend” now reads “Tried to explain material from a course to someone else (another student, friends, co-worker, family member).” Four items are new: “Completed the assigned readings for class;” “Developed a role play, case study, or simulation for a class;” “Worked on a class assignment, project, or presentation with other students;” and “Used information or experience from other areas in your life (job, internship, interactions with others) in class discussions or assignments.” The last three of these items are consistent with good practices in undergraduate education such as active learning and cooperation with peers.

### *Writing*

This scale was reduced from 10 to 7 items and renamed Writing Experiences. Four items from the Third Edition were dropped: “Wrote a rough draft of a paper or essay;” “Spent at least five hours or more writing a paper;” “Made an appointment to talk with an instructor who had criticized a paper you had written;” and “Submitted for publication an article, story, or other composition.” The behavior represented by the first three items is captured elsewhere on this scale and also by items in the Reading/Writing section asking students how many essays and reports they write. For the last item, few students indicated any response other than “never” which reduced the usefulness of this item. One new item was added: “Prepared a major written report for a class (20 pages or more).” One item was modified slightly: “Asked an instructor for advice and help to improve your writing” now includes the phrase, “an instructor or staff member,” to acknowledge the increased contact between students and professional staff in writing skills centers.

### *Faculty*

Three items from the Third Edition were dropped: “Talked with a faculty member;” “Visited informally and briefly with an instructor after class;” and “Discussed personal problems or concerns with a faculty member.” The behavior described by the first two of these items is captured by other items on this scale; the behavior in the latter item is captured by the last item on the Personal Experiences scale. Two items from the Third Edition were revised: “Made an appointment to see a faculty member after class” now reads, “Discussed your academic program or course selection with a faculty member.” This item is now more clearly focused on the kind of interaction with a faculty member that contributes directly to learning and personal development. The item, “Had coffee, cokes, or snacks with a faculty member,” was modified to read, “Socialized with a faculty member outside of class (had a snack or soft drink, etc.)” to clarify the purpose of the item but not change its meaning. Three new items represent good practices in undergraduate education: “Worked harder as a result of feedback from an instructor” (feedback); “Participated with other students in a discussion with one or more faculty members outside of class” (informal student-faculty contact); and “Worked harder than you thought you could to meet an instructor’s expectations and standards” (high expectations).

### *Art, Music, Theater*

This scale has 5 fewer items than on the Third Edition. Because relatively few students engage in art and theater activities more than occasionally, reducing the total number of AMT items does not affect the CSEQ’s ability to predict gains or to differentiate among students. Six art and theater items were combined into three items, and the three individual items related to reading or discussing the opinions of art, theater, or music critics were combined into one item. All AMT items were modified to reflect the opportunities for learning activities available outside the classroom, on and off the campus.

### *Campus Facilities*

This new scale includes items from the Third Edition Student Union and Athletic and Recreation Facilities scales. These two scales were combined because relatively few of items from the Third Edition scales independently contributed to gains other than those most closely related to the activity. The two items retained for the Campus Facilities scale are “Used the

campus lounge to relax or study by yourself” and “Followed a regular schedule of exercise or practice for some recreational sporting activity.” Four items were modified slightly and their meaning is unchanged. One new item appears in this scale: “Used the campus learning lab or center to improve study or academic skills.” Those interested in assessing the quality of effort that students expend using the campus union or athletic and recreation facilities can use relevant items from the Third Edition scales in the Additional Questions section. Those wanting to estimate the gains, satisfaction, and perceptions of the college environment of students who live in campus residences can examine the responses of respondents who indicate in the Background Information that they live in a campus residence.

### *Clubs and Organizations*

This scale was reduced from 10 to 5 items. Four items from the Third Edition were retained with only minor changes to reflect involvement in clubs and organizations, both on and off campus. The retained items are “Attended a meeting of a campus club, organization, or student government group;” “Worked on a campus committee, student organization, or project;” “Worked on an off-campus committee, organization, or project;” and “Met with a faculty member or staff advisor to discuss the activities of a group or organization.” These items were retained because they reflect activities that require considerable effort on the part of students and contribute to gains in learning and personal development as well as satisfaction. One new item was added: “Managed or provided leadership for a club or organization, on or off the campus.”

### *Personal Experiences*

Two items were revised to acknowledge a broader learning context (inside of class, outside of class, on and off campus) and the influence of agents of socialization in addition to peers and faculty members. The revised items are “Discussed with another student, friend or family member why some people get along smoothly” and “Talked with a faculty member, counselor, or other staff member about personal concerns.” Two items were dropped from the Third Edition: “Elected a course that dealt with understanding personal and social behavior” and “Been in a group where each person talked about personal problems.”

### *Student Acquaintances*

One item from the Third Edition was dropped: “Made friends with students whose major field was very different from yours.” One new item was added in its place: “Had serious discussions with students whose race or ethnic background was different from yours.” A minor wording change was made in the first five items that began with the phrase, “Made friends with . . .” These items have been reworded to read, “Became acquainted with . . . .”

### *Scientific and Quantitative Experiences*

The title of this scale was changed to be more descriptive of its content. One item was dropped, “Went to an exhibit or demonstration of some new scientific device.” One new item was added, “Compared the scientific method with other methods for gaining knowledge and understanding.” The remaining items are comparable to those that appeared on the Third Edition although all but two of the remaining six have been modified slightly but not in ways that change their meaning.

### *Topics of Conversation*

No changes were made.

### *Information in Conversations*

No changes were made.

### **Reading/Writing**

This section remains essentially the same except for an additional query in the reading section about the number of assigned course packs. Adding this item is an attempt to gauge more accurately how much undergraduates read, as they are often assigned textbooks as well as photocopied readings assembled in course packs.

### **Opinions about College or University**

No changes were made.

### **The College Environment**

Two new scales were added to the eight scales from the Third Edition: “Understanding and appreciation of human diversity” and “Information literacy skills.” Both domains are highly relevant to learning and personal development of contemporary college students.

### **Estimate of Gains**

Two gains items were added to the 23 from the Third Edition: “Presenting ideas and information effectively when speaking to others” and “Learning to adapt to change (new technologies, different jobs or personal circumstances).” Minor editorial changes were made to several items but their meaning was not altered.

## **Appendix D: Codebook for the CSEQ Fourth Edition**

### **Authors:**

**C. Robert Pace, University of California, Los Angeles (emeritus)  
George D. Kuh, Indiana University**

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<b>Variable Name</b>	<b>Item Description/ Variable Label</b>	<b>Values and Value Labels</b>
BOOK	Booklet's unique serial number	
IPEDS	6-digit Institution ID number	
BATCH	Batch number (internal use only)	

### **Background Information**

AGE	Age of student	(1) 19 or younger (2) 20-23 (3) 24-29 (4) 30-39 (5) 40-55 (6) over 55
SEX	Sex of student	(1) male (2) female
MARITAL	What is your marital status?	(1) not married (2) married (3) divorced (4) separated (5) widowed
CLASS	What is your classification in college?	(1) freshman, first-year (2) sophomore (3) junior (4) senior (5) graduate student (6) unclassified
ENTER	Did you begin college here or did you transfer here from another college?	(1) started here (2) transferred from another institution
LIVENOW	Where do you now live during school year?	(1) dormitory or other campus housing (2) residence within walking distance (3) residence within driving distance (4) fraternity or sorority
<i>With whom do you live during the school year? (check all that apply)</i>		
LIVALON	Live with: no one, I live alone	(1) checked
LIVSTU	Live with: one or more other students	(2) not checked
LIVSPOU	Live with: my spouse or partner	
LIVCHIL	Live with: my child or children	
LIVPARE	Live with: my parents	
LIVREL	Live with: other relatives	
LIVNOTS	Live with: friends who are not students here	
LIVOTHR	Live with: other people	
COMPACC	Do you have access to a computer where you live or work, or nearby that you can use for your school work?	(1) yes (2) no

GRADES	What have most of your grades been up to now at this institution? Note: Responses to GRADES are presented here in reverse order than as shown on the questionnaire.	(1) C, C-, or lower (2) B-, C+ (3) B (4) A-, B+ (5) A
<i>Which of these fields best describes your major, or your anticipated major? (check all that apply)</i>		
MAAGRI	Major: Agriculture	(1) checked
MABIOL	Major: Biological or life sciences (biology, biochemistry, botany, zoology, etc.)	(2) not checked
MABUSI	Major: Business (accounting, business administration, marketing, management, etc.)	
MACOMM	Major: Communication (speech, journalism, television/radio, etc.)	
MACOMP	Major: Computer and information sciences	
MAEDUC	Major: Education	
MAENGI	Major: Engineering	
MACULT	Major: Ethnic, cultural studies, and area studies	
MAFLAN	Major: Foreign languages and literature (French, Spanish, etc.)	
MAHEAL	Major: Health-related fields (nursing, physical therapy, health technology, etc.)	
MAHIST	Major: History	
MAHUMA	Major: Humanities (English, literature, philosophy, religion, etc.)	
MALIBE	Major: Liberal or general studies	
MAMATH	Major: Mathematics	
MAMULT	Major: Multi/interdisciplinary studies (international relations, ecology, environmental studies, etc.)	
MARECR	Major: Parks, recreation, leisure studies, sports management	
MAPHYS	Major: Physical sciences (physics, chemistry, astronomy, earth science, etc.)	
MAPREP	Major: Pre-professional (pre-dental, pre-medical, pre-veterinary)	
MAPUBL	Major: Public administration (city management, law enforcement, etc.)	
MASOCI	Major: Social sciences (anthropology, economics, political science, psychology, sociology, etc.)	
MAARTS	Major: Visual and performing arts (art, music, theater, etc.)	
MAUNDE	Major: Undecided	
MAOTHR	Major: Other	
PARGRAD	Did either of your parents graduate from college?	(1) no (2) yes, both parents (3) yes, father only (4) yes, mother only (5) don't know

ADVDEG	Do you expect to enroll for an advanced degree when, or if, you complete your undergraduate degree?	(1) yes (2) no
CREDHRS	How many credit hours are you taking this term?	(1) 6 or fewer (2) 7-11 (3) 12-14 (4) 15-16 (5) 17 or more
STUDIES	During the time school is in session, about how many hours a week do you usually spend outside of class on activities <u>related to your academic program</u> , such as studying, writing, reading, lab work, rehearsing, etc.?	(1) 5 or fewer hours a week (2) 6-10 hours a week (3) 11-15 hours a week (4) 16-20 hours a week (5) 21-25 hours a week (6) 26-30 hours a week (7) more than 30 hours a week
WORKON	During the time school is in session, about how many hours a week do you usually spend working <u>on campus</u> on a job for pay?	(1) none; no job (2) 1-10 hours a week (3) 11-20 hours a week (4) 21-30 hours a week (5) 31-40 hours a week (6) more than 40 hours a week
WORKOFF	During the time school is in session, about how many hours a week do you usually spend working <u>off campus</u> on a job for pay?	(1) none; no job (2) 1-10 hours a week (3) 11-20 hours a week (4) 21-30 hours a week (5) 31-40 hours a week (6) more than 40 hours a week
WORKAFF	If you have a job, how does it affect your school work?	(1) no job (2) job does not interfere (3) job takes some time from school (4) job takes a lot of time from school
EXSELF	Meet expenses: self (job, savings, etc.)	(1) none
EXPARE	Meet expenses: parents	(2) very little
EXSPOU	Meet expenses: spouse or partner	(3) less than half
EXEMPL	Meet expenses: employer support	(4) about half
EXGIFT	Meet expenses: scholarships and grants	(5) more than half
EXLOAN	Meet expenses: loans	(6) all or nearly all
EXOTHR	Meet expenses: other sources	
<i>What is your racial or ethnic identification? (check all that apply)</i>		
REAMIND	Race: American Indian or other Native American	(1) checked
REASIAN	Race: Asian or Pacific Islander	(2) not checked
REAFRAM	Race: Black or African American	
RECAUC	Race: Caucasian (other than Hispanic)	
REMEXAM	Race: Mexican American	
REPUERT	Race: Puerto Rican	
REOTHIS	Race: Other Hispanic	
REOTHR	Race: Other	



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### Quality of Effort Scales

QELIB	Quality of Effort: Library Scale	Score is sum of LIB1 through LIB8; scores range from 8-32*
QECOMPUT	Quality of Effort: Computer and Information Technology Scale	Score is sum of COMPUT1 through COMPUT9; scores range from 9-36*
QECOURSE	Quality of Effort: Course Learning Scale	Score is sum of COURSE1 through COURSE11; scores range from 11-44*
QEWRITE	Quality of Effort: Writing Experiences Scale	Score is sum of WRITE1 through WRITE7; scores range from 7-28*
QEFAC	Quality of Effort: Experiences with Faculty Scale	Score is sum of FAC1 through FAC10; scores range from 10-40*
QEAMT	Quality of Effort: Art, Music, Theater Scale	Score is sum of AMT1 through AMT7; scores range from 7-28*
QEFACIL	Quality of Effort: Campus Facilities Scale	Score is sum of FACIL1 through FACIL8; scores range from 8-32*
QECLUBS	Quality of Effort: Clubs and Organizations Scale	Score is sum of CLUBS1 through CLUBS5; scores range from 5-20*
QEPERS	Quality of Effort: Personal Experiences Scale	Score is sum of PERS1 through PERS8; scores range from 8-32*
QESTACQ	Quality of Effort: Student Acquaintances Scale	Score is sum of STACQ1 through STACQ10; scores range from 10-40*
QESCI	Quality of Effort: Science & Quantitative Experiences Scale	Score is sum of SCI1 through SCI10; scores range from 10-40*
QECONTPS	Quality of Effort: Topics of Conversation Scale	Score is sum of CONTPS1 through CONTPS10; scores range from 10-40*
QECONINF	Quality of Effort: Information in Conversations Scale	Score is sum of CONINF1 through CONINF6; scores range from 6-24*

\*A quality of effort scale score will be reported as “missing” if one or more of the items which contribute to that score is missing.

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### College Activities

The response set for all 109 college activities items is:

- 1 = Never
- 2 = Occasionally
- 3 = Often
- 4 = Very Often

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LIB1	Used the library as a quiet place to read or study materials you brought with you
LIB2	Found something interesting while browsing in the library
LIB3	Asked a librarian or staff member for help in finding information on some topic
LIB4	Read assigned material other than textbooks in the library (reserve readings, etc.)
LIB5	Used an index or database (computer, card catalog, etc.) to find material on some topic
LIB6	Developed a bibliography or reference list for a term paper or other report
LIB7	Gone back to read a basic reference or document that other authors referred to
LIB8	Made a judgment about the quality of information obtained from the library, World Wide Web, or other sources
COMPUT1	Used a computer or word processor to prepare reports or papers
COMPUT2	Used e-mail to communicate with an instructor or other students

COMPUT3	Used a computer tutorial to learn material for a course or developmental/remedial program
COMPUT4	Participated in class discussions using an electronic medium (e-mail, list-serve, chat group, etc.)
COMPUT5	Searched the WWW or Internet for material related to a course
COMPUT6	Used a computer to retrieve materials from a library <u>not</u> at this institution
COMPUT7	Used to a computer to produce visual displays of information (charts, graphs, spreadsheets, etc.)
COMPUT8	Used a computer to analyze data (statistics, forecasting, etc.)
COMPUT9	Developed a Web page or multimedia presentation
COURSE1	Completed the assigned readings for a class
COURSE2	Took detailed class notes during class
COURSE3	Contributed to class discussions
COURSE4	Developed a role play, case study, or simulation for a class
COURSE5	Tried to see how different facts and ideas fit together
COURSE6	Summarized major points and information from your class notes or readings
COURSE7	Worked on a class assignment, project, or presentation with other students
COURSE8	Applied material learned in a class to other areas (your job or internship, other courses, relationships with friends, family, co-workers, etc.)
COURSE9	Used information or experience from other areas of your life (job, internship, interactions with others) in class discussions or assignments
COURSE10	Tried to explain material from a course to someone else (another student, friend, co-worker, family member)
COURSE11	Worked on a paper or project where you had to integrate ideas from various sources
WRITE1	Used a dictionary or thesaurus to lookup the proper meaning of words
WRITE2	Thought about grammar, sentence structure, word choice, and sequence of ideas or points as you were writing
WRITE3	Asked other people to read something you wrote to see if it was clear to them
WRITE4	Referred to a book or manual about writing style, grammar, etc.
WRITE5	Revised a paper or composition two or more times before you were satisfied with it
WRITE6	Asked an instructor or staff member for advice and help to improve your writing
WRITE7	Prepared a major report for a class (20 pages or more)
FAC1	Talked with your instructor about information related to a course you were taking (grades, make-up work, assignments, etc.)
FAC2	Discussed your academic program or course selection with a faculty member
FAC3	Discussed ideas for a term paper or other class project with a faculty member
FAC4	Discussed your career plans and ambitions with a faculty member
FAC5	Worked harder as a result of feedback from an instructor
FAC6	Socialized with a faculty member outside of class (had a snack or soft drink, etc.)
FAC7	Participated with other students in a discussion with one or more faculty members outside of class
FAC8	Asked your instructor for comments and criticisms about your academic performance
FAC9	Worked harder than you thought you could to meet an instructor's expectations and standards
FAC10	Worked with a faculty member on a research project
AMT1	Talked about art (painting, sculpture, artists, etc.) or the theater (plays, musicals, dance, etc.) with other students, friends, or family members
AMT2	Went to an art exhibit/gallery or a play, dance, or other theater performance, on or off the campus
AMT3	Participated in some art activity (painting, pottery, weaving, drawing, etc.) or theater

	event, or worked on some theatrical production (acted, danced, worked on scenery, etc.), on or off the campus
AMT4	Talked about music or musicians (classical, popular, etc.) with other students, friends, or family members
AMT5	Attended a concert or other music event, on or off the campus
AMT6	Participated in some music activity (orchestra, chorus, dance, etc.), on or off the campus.
AMT7	Read or discussed the opinions of art, music, or drama critics
FACIL1	Used a campus lounge to relax or study by yourself
FACIL2	Met other students at some campus location (campus center, etc.) for a discussion
FACIL3	Attended a cultural or social event in the campus center or other campus location
FACIL4	Went to a lecture or panel discussion
FACIL5	Used a campus learning lab or center to improve study or academic skills (reading, writing, etc.)
FACIL6	Used campus recreational facilities (pool, fitness equipment, courts, etc.)
FACIL7	Played a team sport (intramural, club, intercollegiate)
FACIL8	Followed a regular schedule of exercise or practice for some recreational sporting activity
CLUBS1	Attended a meeting of a campus club, organization, or student government group
CLUBS2	Worked on a campus committee, student organization, or project (publications, student government, special event, etc.)
CLUBS3	Worked on an off-campus committee, organization, or project (civic group, church group, community event, etc.)
CLUBS4	Met with a faculty member or staff advisor to discuss the activities of a group or organization
CLUBS5	Managed or provided leadership for a club or organization, on or off the campus
PERS1	Told a friend or family member why you reacted to another person the way you did
PERS2	Discussed with another student, friend, or family member why some people get along smoothly, and others do not
PERS3	Asked a friend for help with a personal problem
PERS4	Read articles or books about personal growth, self-improvement, or social development
PERS5	Identified with a character in a book, movie, or television show and wondered what you might have done under similar circumstances
PERS6	Taken a test to measure your abilities, interests, or attitudes
PERS7	Asked a friend to tell you what he or she really thought about you
PERS8	Talked with a faculty member, counselor, or other staff member about personal concerns
STACQ1	Became acquainted with students whose interests were different from yours
STACQ2	Became acquainted with students whose family background (economic, social) was different from yours
STACQ3	Became acquainted with students whose age was different from yours
STACQ4	Became acquainted with students whose race or ethnic background was different from yours
STACQ5	Became acquainted with students from another country
STACQ6	Had serious discussions with students whose philosophy of life or personal values were very different from you
STACQ7	Had serious discussions with students whose political opinions were very different from yours
STACQ8	Had serious discussions with students whose religious beliefs were very different from yours
STACQ9	Had serious discussions with students whose race or ethnic background was different from yours

STACQ10	Had serious discussions with students from a country different from yours
SCI1	Memorized formulas, definitions, technical terms, and concepts
SCI2	Used mathematical terms to express a set of relationships
SCI3	Explained your understanding of some scientific or mathematical theory, principle or concept to someone else (classmate, co-worker, etc.)
SCI4	Read articles about scientific or mathematical theories or concepts in addition to those assigned for a class
SCI5	Completed an experiment or project using scientific methods
SCI6	Practiced to improve your skill in using a piece of scientific equipment
SCI7	Showed someone else how to use a piece of scientific equipment
SCI8	Explained an experimental procedure to someone else
SCI9	Compared the scientific method with other methods for gaining knowledge and understanding
SCI10	Explained to another person the scientific basis for concerns about scientific or environmental issues (pollution, recycling, alternative sources of energy, acid rain) or similar aspects of the world around you
CONTPS1	Current events in the news
CONTPS2	Social issues such as peace, justice, human rights, equality, race relations
CONTPS3	Different lifestyles, customs, and religions
CONTPS4	The ideas and views of other people such as writers, philosophers, historians
CONTPS5	The arts (painting, poetry, dance, theatrical productions, symphony, movies, etc.)
CONTPS6	Science (theories, experiments, methods, etc.)
CONTPS7	Computers and other technologies
CONTPS8	Social and ethical issues related to science and technology such as energy, pollution, chemicals, genetics, military use
CONTPS9	The economy (employment, wealth, poverty, debt, trade, etc.)
CONTPS10	International relations (human rights, free trade, military activities, political differences, etc.)
CONINF1	Referred to knowledge you acquired in your reading or classes
CONINF2	Explored different ways of thinking about the topic
CONINF3	Referred to something one of your instructors said about the topic
CONINF4	Subsequently read something that was related to the topic
CONINF5	Changed your opinion as a result of the knowledge or arguments presented by others
CONINF6	Persuaded others to change their minds as a result of the knowledge or arguments you cited

### **Reading and Writing**

READTEXT	During this current year, about how many textbooks or assigned books have you read?	(1) none
READPAK	During this current year, about how many assigned packs of course readings have you read?	(2) fewer than 5
READNON	During this current year, about how many non-assigned books have you read?	(3) between 5 and 10
WRITESS	During this current school year, about how many essay exams have you written for your courses?	(4) between 10 and 20
WRITTERM	During this current school year, about how many term papers or other written reports have you written?	(5) more than 20

### Opinions About Your College or University

OPINSCOR	Overall opinion of college (satisfaction index)	Score is sum of LIKECOLL and SAMECOLL; scores range from 2-8.
LIKECOLL	How well do you like college?	(1) I don't like it (2) I am more or less neutral about it (3) I like it (4) I am enthusiastic about it
SAMECOLL	If you could start over again, would you go to the same institution you are now attending?	(1) no, definitely (2) probably no (3) probably yes (4) yes, definitely

### The College Environment

ENVSCH	Emphasis on academic, scholarly, and intellectual qualities	Responses range from 1 to 7
ENVESTH	Emphasis on aesthetic, expressive, and creative qualities	1 = weak emphasis
ENVCRT	Emphasis on critical, evaluative, and analytical qualities	7 = strong emphasis
ENVDIV	Emphasis on understanding and appreciation for human diversity	
ENVINFO	Emphasis on information literacy skills (using computers, other information resources)	
ENVVOC	Emphasis on vocational and occupational competence	
ENVPRAC	Emphasis on personal relevance and practical value of your courses	
ENVSTU	Relationships with other students	Responses range from 1 to 7 1 = competitive, uninvolved, sense of alienation 7 = friendly, supportive, sense of belonging
ENVADM	Relationships with administrative personnel and offices	Responses range from 1 to 7 1 = rigid, impersonal, bound by regulations 7 = helpful, considerate, flexible
ENVFAC	Relationships with faculty members	Responses range from 1 to 7 1 = remote, discouraging, unsympathetic 7 = approachable, helpful, understanding, encouraging

## Estimate of Gains

The response set for all 25 estimate of gains items is:  
1 = Very Little  
2 = Some  
3 = Quite a Bit  
4 = Very Much

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GNVOC	Acquiring knowledge and skills applicable to a specific job or type of work (vocational preparation)
GNSPEC	Acquiring background and specialization for further education in a professional, scientific, or scholarly field
GNGENLED	Gaining a broad general education about different fields of knowledge
GNCAREER	Gaining a range of information that may be relevant to a career
GNARTS	Developing an understanding and enjoyment of art, music, and drama
GNLIT	Broadening your acquaintance with and enjoyment of literature
GNHIST	Seeing the importance of history for understanding the present as well as the past
GNWORLD	Gaining knowledge about other parts of the world and other people (Asia, Africa, South America)
GNWRITE	Writing clearly and effectively
GNSPEAK	Presenting ideas and information effectively when speaking to others
GNCMPTS	Using computers and other information technologies
GNPHILS	Becoming aware of different philosophies, cultures, and ways of life
GNVALUES	Developing your own values and ethical standards
GNSSELF	Understanding yourself, your abilities, interests, and personality
GNOTHERS	Developing the ability to get along with different kinds of people
GNTEAM	Developing the ability to function as a member of a team
GNHEALTH	Developing good health habits and physical fitness
GNSCI	Understanding the nature of science and experimentation
GNTECH	Understanding new developments in science and technology
GNCONSQ	Becoming aware of the consequences (benefits, hazards, dangers) of new applications of science and technology
GNANALY	Thinking analytically and logically
GNQUANT	Analyzing quantitative problems (understanding probabilities, proportions, etc.)
GNSYNTH	Putting ideas together, seeing relationships, similarities, and differences between ideas
GNINQ	Learning on your own, pursuing ideas, and finding information you need
GNADAPT	Learning to adapt to change (new technologies, different jobs or personal circumstances, etc.)

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# Appendix E: College Student Expectations Questionnaire, Second Edition



## College Student Expectations Questionnaire

### Welcome!

You have not yet experienced life as a student here. But you have some ideas about how you will spend your time, what you will be doing and so forth. We are interested in these ideas. More specifically, what do you **expect to do this year** as a student? Please complete the items on the following few pages in a way that answers this question. It takes less than 15 minutes to complete this survey.

Your responses are confidential. Keep in mind that the questionnaire will be read by an electronic scanning device, so be careful in marking your responses. Please use a #2 black lead pencil. Marks made by ink pens cannot be scanned. Do not write or make any marks on the questionnaire outside the spaces for your answers. Erase cleanly any responses you want to change.

The benefits from this or any other survey depend on the thoughtful responses of those who are asked to help. Your willingness to participate is very important and very much appreciated. Thank you!

### COLLEGE ACTIVITIES

**DIRECTIONS:** During the coming year in college, how often do you expect to do the following? Indicate your response by filling in one of the circles to the right of each statement.

	Very Often	Often	Occasionally	Never
<b>Library and Information Technology</b>				
Use the library as a quiet place to read or study.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use an index or database (computer, card catalog, etc.) to find material on some topic.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Read assigned materials other than textbooks in the library (reserve readings, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Develop a bibliography or set of references for a term paper or other report.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use a computer or word processor to prepare reports or papers.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use e-mail to communicate with an instructor or classmates.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Participate in class discussions using an electronic medium (e-mail, list-serve, chat group, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Search the World Wide Web or Internet for information related to a course.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use a computer to retrieve materials from a library not at this institution.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Experiences with Faculty</b>				
Ask your instructor for information related to a course you are taking (grades, make-up work, assignments, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Discuss your academic program or course selection with a faculty member.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Experiences with Faculty (cont'd.)</b>				
Discuss ideas for a term paper or other class project with a faculty member.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Discuss your career plans and ambitions with a faculty member.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Socialize with a faculty member outside the classroom (have a snack or soft drink, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ask your instructor for comments and criticisms about your academic performance.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Work with a faculty member on a research project.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Course Learning</b>				
Complete the assigned readings before class.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Take detailed notes during class.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Contribute to class discussions.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Try to see how different facts and ideas fit together.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Apply material learned in a class to other areas (a job or internship, other courses, relationships with friends, family, co-workers, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Summarize major points and information from your readings or class notes.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use information or experience from other areas of your life (job, internship, interactions with others) in class discussions or assignments.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Explain material from a course to someone else (another student, friend, co-worker, family member).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Prepare a paper or project where you had to integrate ideas from various sources.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**DIRECTIONS:** During the coming year in college, how often do you expect to do the following? Indicate your response by filling in one of the circles to the right of each statement.

	Very Often	Often	Occasionally	Never
<b>Writing</b>				
Ask other people to read something you wrote to see if it is clear to them.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Refer to a book or manual about writing style, grammar, etc.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Revise a paper or composition two or more times before you are satisfied with it.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ask an instructor or staff member for advice and help to improve your writing.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Write a major report for a class (20 pages or more).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Campus Facilities</b>				
Go to an art exhibit/gallery or a play, dance, or other theater performance, on or off campus.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Attend a concert or other music event.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use a campus lounge to relax or study by yourself.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Meet other students at some campus location (campus center, etc.) for a discussion.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Attend a lecture or panel discussion.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use a learning lab or center to improve study or academic skills (reading, writing, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use recreational facilities (pool, fitness equipment, courts, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Play a team sport (intramural, club, intercollegiate).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Follow a regular schedule of exercise or practice for some recreational or sporting activity.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Clubs, Organizations, Service Projects</b>				
Attend a meeting of a campus club, organization, or student government group.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Work on a campus committee, student organization, or service project (publications, student government, special event, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Work on an off-campus committee, organization, or service project (civic, group, church group, community event, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Meet with a faculty member or staff advisor to discuss the activities of a group or organization.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Manage or provide leadership for an organization or service project, on or off the campus.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Student Acquaintances</b>				
Make friends with students whose interests are different from yours.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Make friends with students whose family background (economic, social) is different from yours.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Make friends with students whose race or ethnic background is different from yours.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Have serious discussions with students whose philosophy of life or personal values are very different from yours.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Have serious discussions with students whose religious beliefs are very different from yours.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Very Often	Often	Occasionally	Never
<b>Student Acquaintances (cont'd)</b>				
Have serious discussions with students whose political opinions are very different from yours.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Have serious discussions with students whose race or ethnic background is very different from yours.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Scientific and Quantitative Experiences</b>				
Memorize formulas, definitions, technical terms and concepts.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Express a set of relationships using mathematical terms.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Explain your understanding of some scientific or mathematical theory, principle or concept to someone else (classmate, co-worker, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Read articles about scientific or mathematical theories or concepts in addition to those assigned for a class.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Complete an experiment or project using scientific methods.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## CONVERSATIONS

**DIRECTIONS:** In conversations with others at college during the coming school year, how often do you expect to talk about each of the following?

	Very Often	Often	Occasionally	Never
Current events in the news.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social issues such as peace, justice, human rights, equality, race relations.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Different lifestyles, customs, and religions.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The ideas and views of writers, philosophers, historians.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The arts (painting, poetry, theatrical productions, dance, symphony, movies, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Science (theories, experiments, methods, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Computers and other technologies.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social and ethical issues related to science and technology such as energy, pollution, chemicals, genetics, military use.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The economy (employment, wealth, poverty, debt, trade, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
International relations (human rights, free trade, military activities, political differences, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>DIRECTIONS:</b> In these conversations, how often do you expect to do each of the following?				
Refer to knowledge you acquired in your reading or classes.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Explore different ways of thinking about a topic or issue.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Refer to something one of your instructors said about a topic or issue.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



## CONVERSATIONS, cont.

**DIRECTIONS:** In these conversations, how often do you expect to do each of the following?

	Never	Occasionally	Often	Very Often
Subsequently read something related to the topic or issue.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Change your opinion as a result of the knowledge or arguments presented by others.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Persuade others to change their minds as a result of the knowledge or arguments you cited.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## READING/WRITING

During the coming school year, about how much reading and writing do you expect to do? Fill in one response for each item listed below.

	More than 20	Between 11 and 20	Between 5 and 10	Fewer than 5	None
Non-assigned books	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Textbooks or assigned books	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Term papers or other written reports	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Essay exams for your courses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## OPINION ABOUT COLLEGE

**How well do you think you will like college?**

- I will be enthusiastic about it.  
 I will like it.  
 I will be more or less neutral about it.  
 I won't like it.

## THE COLLEGE ENVIRONMENT

During the coming year, to what extent do you feel that each of the following will be emphasized at this institution? Fill in the circle that best represents your impression on each of the following rating scales.

Emphasis on developing academic, scholarly, and intellectual qualities  
**Strong emphasis** (7) (6) (5) (4) (3) (2) (1) **Weak emphasis**

Emphasis on developing aesthetic, expressive, and creative qualities  
**Strong emphasis** (7) (6) (5) (4) (3) (2) (1) **Weak emphasis**

Emphasis on developing critical, evaluative, and analytical qualities  
**Strong emphasis** (7) (6) (5) (4) (3) (2) (1) **Weak emphasis**

Emphasis on developing an understanding and appreciation of human diversity  
**Strong emphasis** (7) (6) (5) (4) (3) (2) (1) **Weak emphasis**

Emphasis on developing information literacy skills (using computers, other information resources)  
**Strong emphasis** (7) (6) (5) (4) (3) (2) (1) **Weak emphasis**

Emphasis on developing vocational and occupational competence  
**Strong emphasis** (7) (6) (5) (4) (3) (2) (1) **Weak emphasis**

Emphasis on the personal relevance and practical value of your courses  
**Strong emphasis** (7) (6) (5) (4) (3) (2) (1) **Weak emphasis**

The next three ratings refer to relationships among people at this college. To what extent do you feel that each of the following will be emphasized?

Friendly, Supportive, Sense of belonging (7) (6) (5) (4) (3) (2) (1) Relationships with other students or student groups Competitive, Uninvolved, Sense of alienation

Approachable, Helpful, Understanding, Encouraging (7) (6) (5) (4) (3) (2) (1) Relationships with faculty members Remote, Discouraging, Unsympathetic

Helpful, Considerate, Flexible (7) (6) (5) (4) (3) (2) (1) Relationships with administrative personnel and offices Rigid, Impersonal, Bound by regulations

## BACKGROUND INFORMATION

**DIRECTIONS:** Indicate your response by filling in the appropriate circle next to the correct answer.

**Age**

- 19 or younger     24-29     40-55  
 20-23     30-39     Over 55

**Sex**

- male     female

**Are you beginning college here or did you transfer here from another institution?**

- starting here  
 transferred from another institution

**Where will you live during this school year?**

- dormitory or other campus housing (not fraternity/ sorority house)
- fraternity or sorority house
- residence (house, apartment, etc.) within walking distance of the institution
- residence (house, apartment, etc.) within driving distance

**What do you expect your college grade point average to be at the end of your first year?**

- A
- A-, B+
- B
- B-, C+
- C, C-, or lower

**Did either of your parents graduate from college?**

- no
- yes, both parents
- yes, father only
- yes, mother only
- don't know

**Do you expect to enroll for an advanced degree when, or if, you complete your undergraduate degree?**

- yes
- no

**How many credit hours will you take this first term?**

- 6 or fewer
- 7 - 11
- 12 - 14
- 15 - 16
- 17 or more

**Which of the following comes closest to describing the field you expect to major in?**

- Agriculture
- Biological/life sciences (biology, biochemistry, botany, zoology, etc.)
- Business (accounting, business administration, marketing, management, etc.)
- Communication (speech, journalism, television/radio, etc.)
- Computer and information sciences
- Education
- Engineering
- Ethnic, cultural studies, and area studies
- Foreign languages and literature (French, Spanish, etc.)
- Health-related fields (nursing, physical therapy, health technology, etc.)
- History
- Humanities (English, literature, philosophy, religion, etc.)
- Liberal/general studies
- Mathematics
- Multi/interdisciplinary studies (international relations, ecology, environmental studies, etc.)
- Parks, recreation, leisure studies, sports management
- Physical sciences (physics, chemistry, astronomy, earth science, etc.)
- Pre-professional (pre-dental, pre-medical, pre-veterinary)
- Public administration (city management, law enforcement, etc.)
- Social sciences (anthropology, economics, political science, psychology, sociology, etc.)
- Visual and performing arts (art, music, theater, etc.)
- Undecided
- Other: What?

**During the time school is in session this coming year, about how many hours a week do you expect to spend outside of class on activities related to your academic program, such as studying, writing, reading, lab work, rehearsing, etc.?**

- 5 or fewer hours a week
- 6 - 10 hours a week
- 11 - 15 hours a week
- 16 - 20 hours a week
- 21 - 25 hours a week
- 26 - 30 hours a week
- more than 30 hours a week

**During the time school is in session this coming year, about how many hours a week do you plan to work on a job? Fill in one oval in each column.**

	ON-CAMPUS	OFF-CAMPUS
none; I won't have a job	<input type="radio"/>	<input type="radio"/>
1 - 10 hours a week	<input type="radio"/>	<input type="radio"/>
11 - 20 hours	<input type="radio"/>	<input type="radio"/>
21 - 30 hours	<input type="radio"/>	<input type="radio"/>
31 - 40 hours	<input type="radio"/>	<input type="radio"/>
more than 40 hours	<input type="radio"/>	<input type="radio"/>

**About how much of your college expenses this year will be provided by your parents or family (including your own contribution)?**

- all or nearly all
- more than half
- less than half
- none or very little

**What is your racial or ethnic identification?**

(Fill in all that apply)

- American Indian or other Native American
- Asian or Pacific Islander
- Black or African American
- Caucasian (other than Hispanic)
- Mexican-American
- Puerto Rican
- Other Hispanic
- Other: What?

**ADDITIONAL QUESTIONS**

- |                                                                                                                             |                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 1. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E  | 11. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E |
| 2. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E  | 12. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E |
| 3. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E  | 13. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E |
| 4. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E  | 14. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E |
| 5. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E  | 15. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E |
| 6. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E  | 16. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E |
| 7. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E  | 17. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E |
| 8. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E  | 18. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E |
| 9. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E  | 19. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E |
| 10. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E | 20. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/> E |

Please fill in your student ID number below.

Social Security / ID #									
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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This questionnaire is available from the Indiana University Center for Postsecondary Research and Planning, School of Education, Ashton Aley Hall 102, 1913 E. 7th St., Bloomington, IN 47405. E-mail: cseq@indiana.edu

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**THANK YOU**

## Appendix F: Institutions Represented in the *Fourth Edition Norms*

### *Doctoral/Research-Extensive Institutions*

Brigham Young University	Syracuse University	University Of North Carolina at Chapel Hill
Cornell University	Texas A & M University	University Of Rochester
Duke University	University Of California-San Diego	University Of Southern California
Georgia State University	University Of California-Santa Barbara	University Of Vermont and State Agricultural College
Indiana University Bloomington	University Of Chicago	Utah State University
Iowa State University	University Of Delaware	Virginia Polytechnic Institute and State University
Johns Hopkins University	University Of Hawaii at Manoa	Washington State University
Massachusetts Institute of Technology	University Of Illinois at Urbana	Yeshiva University
North Carolina State University at Raleigh	University Of Missouri-Columbia	
Pennsylvania State University	University Of Nebraska at Lincoln	
Stanford University		

### *Doctoral/Research-Intensive Institutions*

Ball State University	Indiana State University	University of Central Florida
Central Michigan University	Indiana University of Pennsylvania	University of Dayton
Dartmouth College	Middle Tennessee State University	University of Missouri-Kansas City
East Carolina University	Northern Arizona University	University of Nevada-Las Vegas
East Tennessee State University	Oakland University	Wake Forest University
George Mason University	Seton Hall University	

### *Master's I and II Institutions*

Anderson University	Mankato State University	SUNY College at Oneonta
Appalachian State University	Mansfield University	SUNY College at Oswego
California State University-Hayward	Nazareth College	SUNY College at Potsdam
California State University-Long Beach	Northeast Missouri State University	Trinity University
Castleton State College	Northeastern State University	University of Evansville
De Sales University	Northwestern State University	University of Indianapolis
Eastern Washington University	Philadelphia College of Textiles and Science	University of Northern Iowa
Ferris State University	Roberts Wesleyan College	University of Wisconsin-River Falls
Fontbonne College	Saint Francis College	University of Wisconsin-Stevens Point
Immaculata College	Seattle Pacific University	Villanova University
Incarnate Word College	Shenandoah University	West Chester University of Pennsylvania
Indiana Wesleyan University	Shippensburg University	Wilkes University
Jacksonville State University	Sonoma State University	Xavier University
La Salle University	SUNY College at Fredonia	

### *Baccalaureate Liberal Arts Colleges*

Adrian College	Millsaps College	Williams College
Alma College	Mount Holyoke College	
Barnard College	Oberlin College	
Bridgewater College	Smith College	
Carleton College	Swarthmore College	
Concordia College At Moorhead	Tougaloo College	
DePauw University	University Of Hawaii at Hilo	
Goshen College	Wellesley College	
Hampshire College	Wesleyan College	
Hanover College	Wesleyan University	

*Baccalaureate General Colleges*

Alice Lloyd College  
Brescia College  
Brigham Young University-  
Hawaii Campus  
Calumet College of Saint Joseph  
Cedar Crest College  
Elizabethtown College  
Elmira College  
Franklin College of Indiana

Glenville State College  
La Grange College  
Manchester College  
Marian College  
Messiah College  
Notre Dame College  
Peace College  
Saint Josephs College  
Saint Mary's College

Shorter College  
Stonehill College  
Tri-State University  
University Of Pittsburgh-  
Johnstown  
Waldorf College  
Wisconsin Lutheran College



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**The College Student Experiences Questionnaire Research Program**