

2009 National Survey of Student Engagement

Oklahoma State University

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*This report includes information taken directly from annual reports, summaries, and
publications produced by the National Survey of Student Engagement.*

Table of Contents

| | |
|---|-----|
| Executive Summary..... | 1 |
| Introduction..... | 3 |
| Methods (overview)..... | 3 |
| Response Rates..... | 3 |
| Comparison Institutions..... | 3 |
| Demographics of Survey Respondents..... | 4 |
| Selected Results..... | 6 |
| Most / Least Frequent Activities..... | 6 |
| Reading and Writing..... | 7 |
| Coursework Emphasis..... | 7 |
| Educationally Enriching Experiences..... | 7 |
| Use of Technology..... | 8 |
| Diversity Experiences..... | 8 |
| Academic Advising..... | 8 |
| Quality of Relationships..... | 9 |
| Institutional Benchmark Report..... | 10 |
| Benchmark 1. Level of Academic Challenge..... | 11 |
| Benchmark 2. Active and Collaborative Learning..... | 12 |
| Benchmark 3. Student-Faculty Interaction..... | 13 |
| Benchmark 4. Enriching Educational Experiences..... | 14 |
| Benchmark 5. Supportive Campus Environment..... | 14 |
| Comparisons with Highly Engaging Institutions..... | 16 |
| Detailed Benchmark Statistics and Effect Sizes for First-Year Students..... | 17 |
| Detailed Benchmark Statistics and Effect Sizes for Senior Students..... | 18 |
| Multi-Year Benchmark Report..... | 19 |
| Using the NSSE Results..... | 25 |
| Average Responses and Frequencies for each Survey Item..... | 26 |
| Average Responses by Year (2002, 2005 and 2009)..... | 36 |
| Average Responses by College..... | 45 |
| Average Responses and Frequencies | |
| College of Agricultural Sciences and Natural Resources..... | 52 |
| College of Arts and Sciences..... | 62 |
| College of Education..... | 72 |
| College of Engineering, Architecture, and Technology..... | 82 |
| College of Human Environmental Sciences..... | 92 |
| Spears School of Business..... | 102 |
| University Academic Services..... | 112 |

Executive Summary

Introduction

The National Survey of Student Engagement (NSSE) is a national survey initiative by the Pew Charitable Trusts, the Carnegie Foundation for the Advancement of Teaching, and the Pew Forum for Undergraduate Learning. The NSSE is administered and coordinated by the Indiana University Center for Post-Secondary Research and Planning. The survey was developed to provide a measure of students' engagement in educational practices that have been shown to correlate with desirable learning and development outcomes. Specific information on the conceptual framework and psychometric properties of the NSSE are located here: http://nsse.iub.edu/pdf/conceptual_framework_2003.pdf

Oklahoma State Participation and Response Rates

Oklahoma State University (OSU) participated in the NSSE in 2000, 2002, 2005 and 2009. In 2009, in an effort to provide meaningful college-level results, requests to participate in the survey were sent to all first-year and senior students. A total of 1,414 OSU students (476 first-year and 938 seniors) responded to the survey for an overall response rate of 22% (17% for first-year students and 25% for seniors). This represents a decrease from OSU's 2005 response rate of 38% and is lower than the average response rate at 13 selected peer institutions (28% average response rate) and participating doctoral / research institutions (29% average response rate).

Benchmark Results

NSSE has identified five key benchmarks that are calculated based on results from groups of items. The benchmarks are Level of Academic Challenge, Active and Collaborative Learning, Student-Faculty Interaction, Enriching Educational Experiences, and Supportive Campus Environment.

- All of OSU's 2009 first-year benchmarks are significantly higher than OSU's 2005 first-year benchmarks ($p < 0.01$).
- OSU's 2009 first-year benchmarks are significantly higher than 13 selected peer institutions on Student-Faculty Interaction and significantly higher than participating doctoral / research institutions on Student-Faculty Interaction and Supportive Campus Environment.
- OSU's 2009 senior benchmark for Enriching Educational Experiences was significantly higher than OSU's 2005 senior benchmark ($p < 0.01$).
- OSU's 2009 senior benchmarks were significantly lower than 13 selected peer institutions on Level of Academic Challenge and Enriching Educational Experiences.
- OSU's 2009 senior benchmarks were significantly lower than participating doctoral / research institutions on Level of Academic Challenge and Active and Collaborative Learning.

Positive Findings

OSU's 2009 first-year benchmark results were significantly improved over OSU's 2005 first-year benchmark results and two of the five first-year benchmarks were significantly higher than selected peer institutions and participating doctoral / research institutions. OSU's 2009 first-year and senior results were significantly higher than average results for 13 selected peer institutions and all participating doctoral / research institutions in a number of areas including:

- Relationships with administrative personnel and offices
- Quality of academic advising
- Participation in activities to enhance spirituality
- Percent of first-year (90%) and senior students (84%) who would go to OSU again if they could start over (significantly higher than average score for participating doctoral / research institutions and for participating NSSE 2009 institutions)

Areas to Consider Improvements

As shown by the benchmark scores, OSU's 2009 senior results were troubling in a number of areas. OSU's senior respondents had significantly lower average results than 13 selected peer institutions and participating doctoral / research institutions in areas such as:

- Experiences with diversity
- Synthesizing, integrating, and organizing ideas
- Institutional contribution to general education outcomes including critical thinking, writing, and problem solving

These results mirror the 2005 results where OSU's senior respondents had significantly lower average scores than selected peers and doctoral-extensive research institutions on the Level of Academic Challenge and Enriching Educational Experiences benchmarks.

Recommendations – Course Level

Systematic improvement across campus will not occur unless faculty members commit to making changes to the level of academic challenge and enriching educational experiences provided to students at OSU within every class. Faculty members should consider how courses could be adapted to increase diversity experiences, include more opportunity for synthesizing and integrating ideas from across courses, and contribute to student achievement of general education outcomes including critical thinking, writing, and problem solving.

Faculty members should also incorporate instructional and student learning strategies that research has shown to lead to improved student learning including Read-Recite-Review (McDaniel, Howard, & Einstein, 2009, *The Read-Recite-Review Study Strategy: Effective and Portable*, *Psychological Science*, 20(4), 516-522), identifying similarities and differences, summarizing and note taking, cooperative learning, providing feedback, and activating prior knowledge (Marzano, Gaddy, & Dean, 2000, *What Works in Classroom Instruction*, http://www.mcrel.org/PDF/Instruction/5992TG_What_Works.pdf).

Recommendations – Institution Level

Recognizing that OSU's 2009 senior results reflect more than just students' experiences during the senior year, the institution should develop and support additional ways for all students, particularly transfer and commuter students, to be meaningfully connected with classmates, faculty or staff members, and campus groups. This may be achieved through learning communities, student affairs units, student groups and activities, and engagement in research with faculty members.

Colleges and departments should consider implementation of senior capstone courses in all academic majors. Capstone courses provide an additional opportunity for students to develop critical thinking skills and to synthesize and integrate what they have learned from multiple courses and experiences during their post-secondary school career. Capstone courses also provide students with the opportunity to create a project, performance, or research paper that will be valuable for applying to graduate school or starting a career.

Finally, faculty members should be empowered and provided with resources to tackle student engagement and learning challenges identified from the 2009 NSSE results, from OSU's General Education Assessment process (http://uat.okstate.edu/assessment/assessment_at_osu/gened/index.html), or from Program Outcomes Assessment results. The Office of University Assessment supports projects to improve student learning and assessment. Oklahoma State University, colleges, and departments should contribute funds and other resources on a regular basis to support projects that target improvement of student learning, development, and engagement.

OSU's 2009 NSSE results reveal many successes to celebrate and many areas to improve. Improvement in student learning, development and engagement can be achieved through commitment from faculty members across campus and from departments, colleges, and the institution.

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Introduction

Colleges and universities cannot accurately judge their effectiveness in the absence of good information about what students do and the quality of the student experience. The National Survey of Student Engagement (NSSE) assesses the extent to which students take part in educationally sound activities and the institutional policies and practices that encourage students to take part in such activities. The NSSE is an initiative of the Pew Charitable Trusts and is co-sponsored by the Carnegie Foundation for the Advancement of Teaching and the Pew Forum for Undergraduate Learning. The NSSE is administered and coordinated by the Indiana University Center for Post-Secondary Research and Planning.

Oklahoma State University participated in the NSSE for the fourth time in 2009; OSU also participated in 2005, 2002, and in the inaugural NSSE in 2000. This report presents highlights of 2009 NSSE data for OSU, comparison data from 13 selected peer institutions (land-grant institutions with generally comparable demographics) (Table 1), comparison data from 56 other doctoral / research institutions (Table 2), and comparison data from the previous OSU NSSE survey. The report also includes data summaries for each undergraduate college. Additional details about the statistical analyses can be obtained from the Office of University Assessment and Testing.

Methods (overview)

The survey instrument, *The College Student Report*, was developed by the National Survey of Student Engagement project staff at the Indiana University Center for Postsecondary Research and Planning with considerable input from a national panel of experts in higher education research. The survey is conducted annually by NSSE project staff. A total of 6,466 OSU freshmen and seniors were invited to participate in the survey in February 2009. The invitation, sent to students via e-mail, provided students with instructions and a login code for completing the survey on the Internet.

NSSE staff completed the data summaries (frequencies and means) for OSU and statistical (mean) comparisons between OSU and peer institutions on each survey item. The Office of University Assessment and Testing prepared data summaries for OSU colleges and summary tables depicting OSU results.

Response Rates

A total of 1,414 OSU students classified as freshmen or seniors completed the 2009 NSSE, resulting in a response rate of 22%. This compares with average response rates of 28% for selected peer institutions and 29% for other doctoral institutions. Numbers of respondents for OSU were 476 first year students and 938 seniors. These data are compared with responses of 8,235 first-year students and 10,385 seniors from 13 selected peer institutions (Table 1) and 24,587 first-year students and 29,320 seniors from 56 other doctoral/ research institutions in the 'doctoral-extensive' peer comparison group (Table 2).

| Table 1. Selected Peer institutions in OSU's comparison group: | | |
|---|---------------------------------------|--------------------------------------|
| Auburn University | North Carolina State University | University of Maryland, College Park |
| Clemson University | Texas A&M University | University of Missouri, Columbia |
| Colorado State University | Texas Tech University | University of Nevada, Reno |
| Iowa State University | University of Tennessee, Knoxville | |
| Louisiana State University and A&M College | University of Kentucky | |

Table 2. Doctoral / Research Institutions in OSU's comparison group:

| | | |
|---|--|--|
| Auburn University | North Dakota State University | University of Louisville |
| Boston College | Northeastern University | University of Maryland-Baltimore County |
| Bowling Green State University | Northern Illinois University | University of Memphis |
| Brigham Young University | Polytechnic Institute of New York University | University of Mississippi |
| Clark Atlanta University | Saint Louis University | University of Missouri-Kansas City |
| Clark University | San Diego State University | University of Missouri-St. Louis |
| Clarkson University | Stevens Institute of Technology | University of Nevada, Reno |
| Clemson University | Syracuse University | University of Nevada-Las Vegas |
| Colorado School of Mines | Temple University | University of North Dakota |
| Drexel University | Texas Tech University | University of Oregon |
| Florida Institute of Technology | The Catholic University of America | University of Puerto Rico-Rio Piedras Campus |
| George Mason University | The University of Akron | University of Southern Mississippi |
| Howard University | The University of Montana | University of Toledo |
| Illinois Institute of Technology | The University of Texas at Arlington | University of Wyoming |
| Indiana University Purdue University-Indianapolis | The University of Texas at Dallas | Virginia Commonwealth University |
| Lehigh University | The University of Texas at El Paso | Western Michigan University |
| Loyola University Chicago | University of Alaska Fairbanks | Wichita State University |
| Miami University-Oxford | University of Denver | Wright State University |
| Michigan Technological University | University of Houston | |

Table 3. Demographic characteristics of OSU students who responded to the 2009 NSSE compared to respondents from selected peer institutions and other doctoral / research universities.

| Number of Survey Participants | First-year Students | | | Seniors | | |
|-------------------------------|-------------------------|-------|---------|-------------|--------|---------|
| | OSU | Peer | Doc-Ext | OSU | Peer | Doc-Ext |
| | 476 | 8,235 | 24,587 | 938 | 10,385 | 29,320 |
| Age | First-year Students (%) | | | Seniors (%) | | |
| | OSU | Peer | Doc-Ext | OSU | Peer | Doc-Ext |
| 19 or younger | 98% | 95% | 86% | 0% | 0% | 0% |
| 20-23 | 1% | 4% | 9% | 68% | 80% | 64% |
| 24-29 | 0% | 0% | 2% | 18% | 13% | 21% |
| 30-39 | 0% | 0% | 1% | 9% | 4% | 9% |
| 40-55 | 0% | 0% | 1% | 6% | 2% | 6% |
| Over 55 | 0% | 0% | 0% | 1% | 0% | 1% |
| Gender | First-year Students (%) | | | Seniors (%) | | |
| | OSU | Peer | Doc-Ext | OSU | Peer | Doc-Ext |
| Male | 40% | 41% | 42% | 44% | 44% | 43% |
| Female | 60% | 59% | 58% | 56% | 56% | 57% |

| Ethnicity | First-year Students (%) | | | Seniors (%) | | |
|--------------------------------|-------------------------|------|---------|-------------|------|---------|
| | OSU | Peer | Doc-Ext | OSU | Peer | Doc-Ext |
| Amer. Indian / Native American | 8% | 1% | 1% | 7% | 0% | 1% |
| Asian Amer. / Pacific Islander | 4% | 5% | 9% | 3% | 5% | 7% |
| Black / African American | 4% | 6% | 7% | 3% | 4% | 7% |
| White | 77% | 78% | 68% | 77% | 78% | 70% |
| Mexican/Mexican American | 1% | 2% | 2% | 1% | 1% | 2% |
| Puerto Rican | 0% | 0% | 1% | 0% | 0% | 1% |
| Other Hispanic or Latino | 1% | 2% | 3% | 1% | 2% | 2% |
| Multiracial | 2% | 2% | 3% | 2% | 2% | 2% |
| Other | 0% | 1% | 2% | 1% | 1% | 1% |
| I prefer not to respond | 3% | 4% | 5% | 5% | 6% | 7% |

| Did you begin college at current institution or elsewhere? | First-year Students (%) | | | Seniors (%) | | |
|--|-------------------------|------|---------|-------------|------|---------|
| | OSU | Peer | Doc-Ext | OSU | Peer | Doc-Ext |
| Started here | 88% | 95% | 92% | 59% | 69% | 60% |
| Started elsewhere | 12% | 5% | 8% | 41% | 31% | 40% |

| Enrollment | First-year Students (%) | | | Seniors (%) | | |
|---------------------|-------------------------|------|---------|-------------|------|---------|
| | OSU | Peer | Doc-Ext | OSU | Peer | Doc-Ext |
| Full-time | 97% | 98% | 96% | 84% | 89% | 84% |
| Less than full-time | 3% | 2% | 4% | 16% | 11% | 16% |

| College | First-year Students | | | Seniors | |
|---------|---------------------|----------|---------------------------------|----------|----------|
| | OSU | | | OSU | |
| | <u>N</u> | <u>%</u> | <u>Undergraduate Population</u> | <u>n</u> | <u>%</u> |
| CASNR | 91 | 19% | 700 | 121 | 13% |
| CAS | 125 | 26% | 1640 | 235 | 25% |
| COE | 41 | 9% | 699 | 95 | 10% |
| CEAT | 93 | 20% | 1256 | 198 | 21% |
| CHES | 43 | 9% | 664 | 109 | 12% |
| SSB | 48 | 10% | 1205 | 178 | 19% |
| UAS | 35 | 7% | 302 | 2 | 0.2% |

Selected Results

This section shows selected results that were emphasized by the NSSE in their 2009 annual report; their tables were modified to show OSU's results and comparison data from other doctoral institutions in peer and doctoral/research comparison groups (Tables 1 and 2). Survey items with larger mean differences than would be expected by chance alone as compared with OSU data are noted with one, two, or three asterisks (*), referring to three significance levels (0.05, 0.01, 0.001).

Most / Least Frequent College Activities

Table 4. Most frequently and least frequently reported activities for 1st year students and seniors during the current academic year (from the nationwide NSSE results).

| | 1 st Year Students Responding 'Very Often' or 'Often' | | | Seniors Responding 'Very Often' or 'Often' | | |
|--|--|-------------|-----------------|--|-------------|-----------------|
| | <u>OSU</u> | <u>Peer</u> | <u>Doctoral</u> | <u>OSU</u> | <u>Peer</u> | <u>Doctoral</u> |
| <u>Most Frequent Activities</u> | | | | | | |
| Worked on a paper or project that required integrating ideas or information from various sources | 74% | 68% | 77% | 81% | 84% | 85% |
| Used email to communicate with an instructor | 77% | 75% | 77% | 85% | 87% | 86% |
| Asked questions in class or contributed to class discussions | 55% | 47% | 56% | 61% | 64% | 70% |
| Received prompt feedback from faculty on your academic performance (written or oral) | 53% | 48% | 54% | 55% | 59% | 61% |
| Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments | 57% | 54% | 62% | 45% | 54% | 59% |
| Discussed ideas from your readings or classes with others outside of class (students, family members, coworkers, etc.) | 54% | 57% | 59% | 60% | 63% | 66% |
| Put together ideas or concepts from different courses when completing assignments or during class discussions | 47% | 50% | 55% | 67% | 71% | 71% |
| <u>Least Frequent Activities</u> | | | | | | |
| Participated in community-based project (e.g., service learning) as a part of a regular course | 14% | 13% | 13% | 11% | 14% | 15% |
| Worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.) | 15% | 14% | 14% | 23% | 23% | 21% |
| Tutored or taught other students (paid or voluntary) | 17% | 18% | 17% | 25% | 21% | 22% |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

Reading and Writing

Table 5. Percent of seniors who indicated they had 'Five or more' of these types of reading / writing assignments in their courses during the current academic year.

| | <u>Percent of Seniors</u> | | |
|---|---------------------------|-------------|-----------------|
| | <u>OSU</u> | <u>Peer</u> | <u>Doctoral</u> |
| Five or more assigned textbooks, books, or book-length reading packs | 61% | 68% | 70% |
| Five or more written papers or reports between 5 and 19 pages in length | 37% | 40% | 34% |
| Five or more written papers or reports fewer than 5 pages in length | 58% | 60% | 59% |

Coursework Emphasis

Table 6. Percent of seniors who stated their coursework during the current academic year emphasized these mental activities 'Quite a Bit' or 'Very Much'.

| | <u>Percent of Seniors Responding 'Quite a Bit' or 'Very Much'</u> | | |
|--|---|-------------|-----------------|
| | <u>OSU</u> | <u>Peer</u> | <u>Doctoral</u> |
| Memorizing facts, ideas, or methods from your courses and readings | 64% | 65% | 62% |
| Analyzing the basic elements of an idea, experience, or theory | 81% | 84% | 85% |
| Synthesizing and organizing ideas, information, or experiences | 67% | 73% | 75% |
| Making judgments about the value of information, arguments, or methods | 66% | 70% | 73% |
| Applying theories or concepts to practical problems or in new situations | 78% | 81% | 81% |

Educationally Enriching Experiences

Table 7. Percent of seniors who participated in these educationally enriching activities while in college.

| | <u>Percent of Seniors</u> | | |
|--|---------------------------|-------------|-----------------|
| | <u>OSU</u> | <u>Peer</u> | <u>Doctoral</u> |
| Practicum, internship, field experience | 56% | 57% | 52% |
| Community service or volunteer work | 62% | 67% | 59% |
| Research with faculty member outside of course or program | 21% | 24% | 20% |
| Learning community | 25% | 29% | 26% |
| Foreign language coursework | 34% | 45% | 42% |
| Study abroad | 13% | 18% | 16% |
| Independent study or self-designed major | 25% | 16% | 17% |
| Culminating senior experience (capstone course, thesis, project, etc.) | 40% | 37% | 34% |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

Use of Technology

Table 8. Percent of 1st year students and seniors who stated they used electronic media or email in their courses 'Very Often' or 'Often' during the current academic year.

| | 1 st Year Students Responding 'Very Often' or 'Often' | | | Seniors Responding 'Very Often' or 'Often' | | |
|--|--|-------------|-----------------|--|-------------|-----------------|
| | <u>OSU</u> | <u>Peer</u> | <u>Doctoral</u> | <u>OSU</u> | <u>Peer</u> | <u>Doctoral</u> |
| | Used an electronic medium (list-serv, chat group, Internet, etc.) to discuss or complete an assignment | 51% | 55% | 56% | 57% | 62% |
| Used email to communicate with an instructor | 77% | 75% | 77% | 85% | 87% | 86% |

Diversity-Related Experiences

Table 9. Percent of seniors who reported that they participated in these diversity-related experiences 'Often' or 'Very Often' during the current academic year.

| | 1 st Year Students Responding 'Often' or 'Very Often' | | | Percent of Seniors Responding 'Often' or 'Very Often' | | |
|---|---|-------------|-----------------|---|-------------|-----------------|
| | <u>OSU</u> | <u>Peer</u> | <u>Doctoral</u> | <u>OSU</u> | <u>Peer</u> | <u>Doctoral</u> |
| | Included diverse perspectives (different races, religions, beliefs, etc.) in class discussions or writing assignments | 57% | 54% | 62% | 45% | 54% |
| Had serious conversations with students of a different race or ethnicity than your own | 40% | 50% | 52% | 48% | 54% | 55% |
| Had serious conversations with students who differ from you in terms of their religious beliefs, political opinions, or personal values | 51% | 55% | 57% | 54% | 59% | 58% |

Academic Advising

Table 10. Ratings that 1st year students and seniors gave to the quality of academic advising they had received; students were asked to respond on a 4-point scale where 4 was the best / highest rating.

| | 1 st Year Students | | | Seniors | | |
|---|-------------------------------|-------------|-----------------|------------|-------------|-----------------|
| | <u>OSU</u> | <u>Peer</u> | <u>Doctoral</u> | <u>OSU</u> | <u>Peer</u> | <u>Doctoral</u> |
| Overall, how would you evaluate the quality of academic advising you have received at your institution? | 3.20 | 3.12* | 2.98*** | 2.95 | 2.84** | 2.79*** |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

Quality of Relationships

Table 11. Ratings that 1st year students and seniors gave to the quality of their relationships with other students, faculty members, and administrative personnel and offices; students were asked to respond on a 7-point scale where 7 was the best rating (7=friendly, supportive, helpful, considerate, etc.).

| | 1 st Year Students | | | Seniors | | |
|--|-------------------------------|-------------|-----------------|------------|-------------|-----------------|
| | <u>OSU</u> | <u>Peer</u> | <u>Doctoral</u> | <u>OSU</u> | <u>Peer</u> | <u>Doctoral</u> |
| Your relationships with other students | 5.69 | 5.58 | 5.45*** | 5.68 | 5.68 | 5.54** |
| Your relationships with faculty members | 5.14 | 5.01* | 5.08 | 5.27 | 5.23 | 5.29 |
| Your relationships with administrative personnel and offices | 4.93 | 4.68*** | 4.61** | 4.68 | 4.52*** | 4.47*** |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

OSU Performance on Five Effective Educational Practices Benchmarks

To focus discussions about the importance of student engagement and guide institutional improvement efforts, NSSE created five clusters or benchmarks of effective educational practice: (1) Level of academic challenge, (2) Active and collaborative learning, (3) Student-faculty interaction, (4) Enriching educational experiences, and (5) Supportive campus environment. Using approximately 1,073,095 randomly selected students from 616 institutions that participated in NSSE 2009, this Benchmark Report compares the performance of OSU with its selected peer group, Doctoral-Extensive, and the 2009 national norms. In addition, page 16 provides two other comparisons between OSU and above-average institutions with benchmarks in the top 50% nationally and high-performing institutions with benchmarks in the top 10% nationally. These displays allow OSU to determine if the engagement of OSU typical student differs in a statistically significant, meaningful way from the average student in these comparison groups. More detailed information about how benchmarks are created can be found on the NSSE website at nsse.iub.edu.

Benchmark Report Guide

Class

Means are reported for first-year students and seniors. Only students who were part of the base random sample or random oversample are included in these analyses. Students in targeted oversamples are not included.

Mean

The mean is the weighted arithmetic average of student level benchmark scores. Although institutional benchmark score calculations have not changed from prior years, reference group calculations were revised in 2009.

Benchmark Description & Survey Items

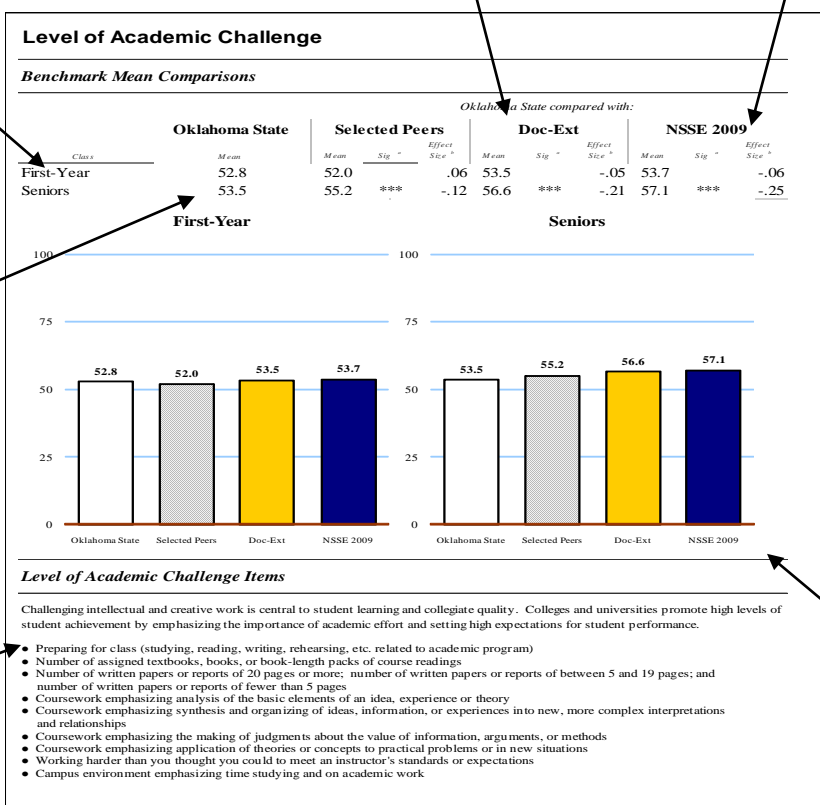
A theoretical rationale for measuring the benchmark and the individual items used in its creation are summarized.

Statistical Significance

Benchmarks with mean differences that are larger than would be expected by chance alone are noted with one, two, or three asterisks, denoting one of three significance levels ($p < .05$, $p < .01$, and $p < .001$). The smaller the significance level, the smaller the likelihood that the difference is due to chance. Please note that statistical significance does not guarantee that the result is substantive or important. Large sample sizes (like those seen with NSSE data) tend to produce more statistically significant results even though the magnitude of mean differences may be inconsequential.

Effect Size

Effect size indicates the "practical significance" of the mean difference. It is calculated by dividing the mean difference by the standard deviation of the group with which the institution is being compared (selected peers, Doc-Ext, or 2009 national norm). In practice, an effect size of .2 is often considered small, .5 moderate, and .8 large. A positive sign indicates that your institution's mean was greater, thus showing an affirmative result for the institution. A negative sign indicates the institution lags behind the comparison group. Look for patterns of effect sizes that point to areas of student or institutional performance that warrant attention.



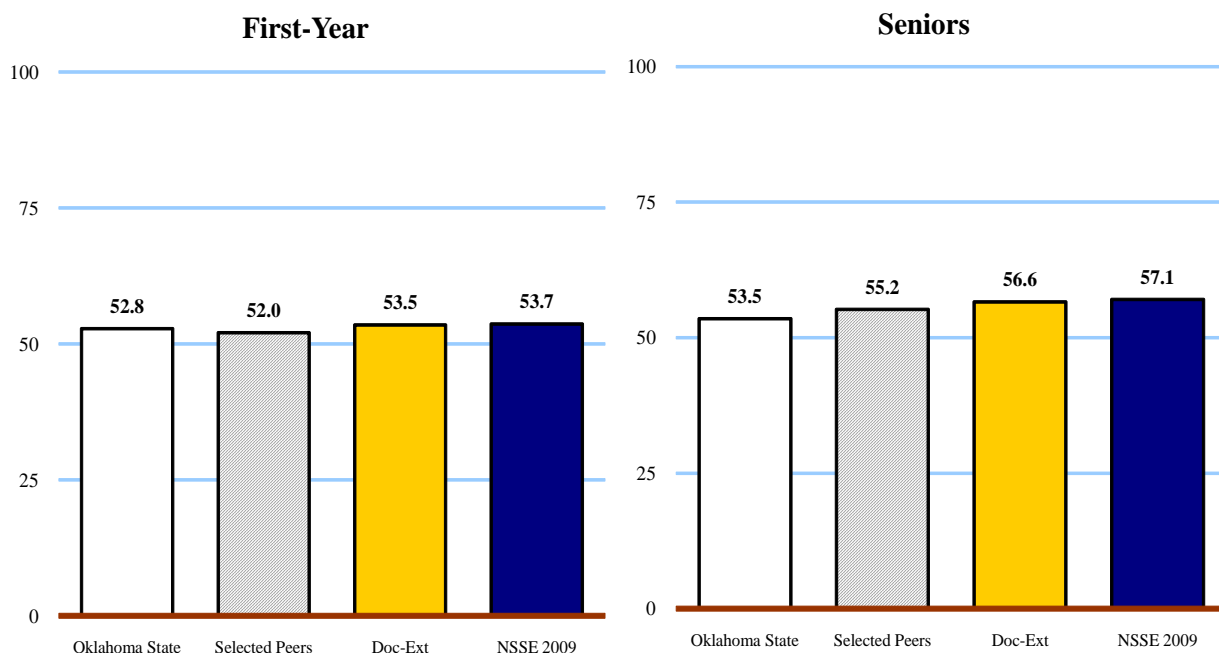
Bar Charts

A visual display of first-year and senior mean benchmark scores for your institution and three reference groups.

Level of Academic Challenge

Benchmark Mean Comparisons

| Class | Oklahoma State Mean | Oklahoma State compared with: | | | | | | | | |
|------------|------------------------|-------------------------------|------------------|--------------------------|---------|------------------|--------------------------|-----------|------------------|--------------------------|
| | | Selected Peers | | | Doc-Ext | | | NSSE 2009 | | |
| | | Mean | Sig ^a | Effect Size ^b | Mean | Sig ^a | Effect Size ^b | Mean | Sig ^a | Effect Size ^b |
| First-Year | 52.8 | 52.0 | | .06 | 53.5 | | -.05 | 53.7 | | -.06 |
| Seniors | 53.5 | 55.2 | *** | -.12 | 56.6 | *** | -.21 | 57.1 | *** | -.25 |



Level of Academic Challenge Items

Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote high levels of student achievement by emphasizing the importance of academic effort and setting high expectations for student performance.

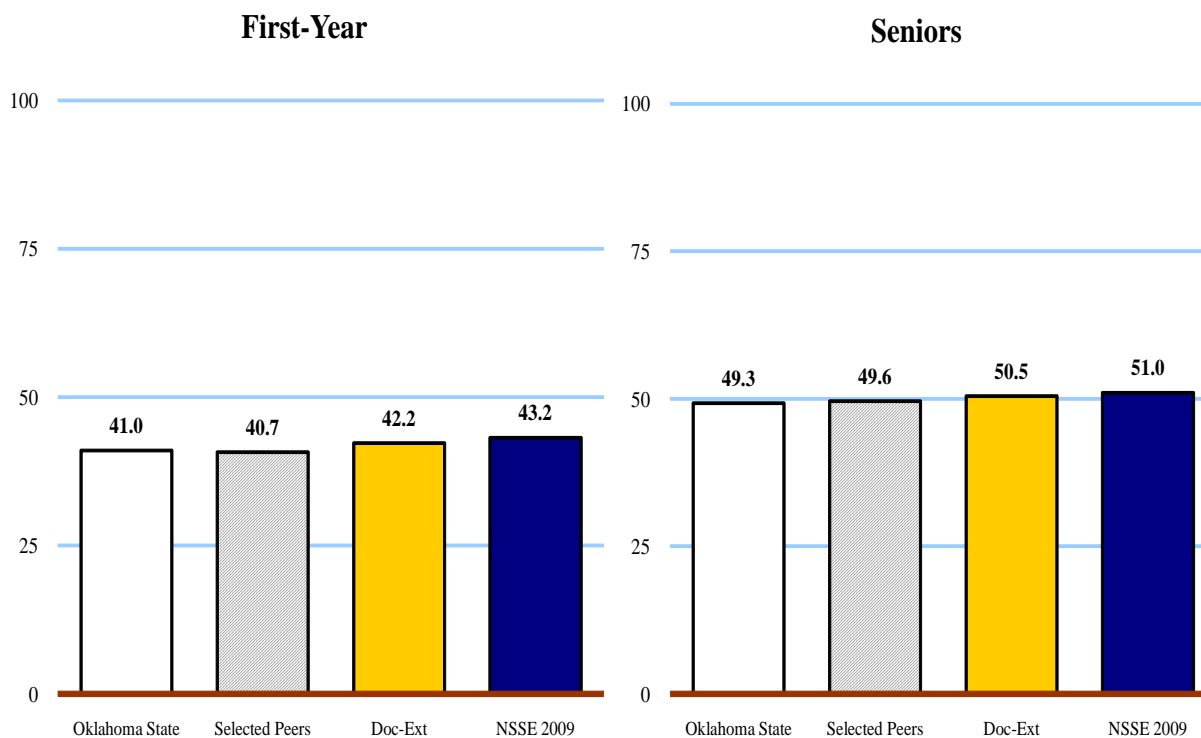
- Preparing for class (studying, reading, writing, rehearsing, etc. related to academic program)
- Number of assigned textbooks, books, or book-length packs of course readings
- Number of written papers or reports of 20 pages or more; number of written papers or reports of between 5 and 19 pages; and number of written papers or reports of fewer than 5 pages
- Coursework emphasizing analysis of the basic elements of an idea, experience or theory
- Coursework emphasizing synthesis and organizing of ideas, information, or experiences into new, more complex interpretations and relationships
- Coursework emphasizing the making of judgments about the value of information, arguments, or methods
- Coursework emphasizing application of theories or concepts to practical problems or in new situations
- Working harder than you thought you could to meet an instructor's standards or expectations
- Campus environment emphasizing time studying and on academic work

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

Active and Collaborative Learning

Benchmark Mean Comparisons

| Class | Oklahoma State compared with: | | | | | | | | | |
|------------|-------------------------------|----------------|------------------|--------------------------|---------|------------------|--------------------------|-----------|------------------|--------------------------|
| | Oklahoma State | Selected Peers | | | Doc-Ext | | | NSSE 2009 | | |
| | Mean | Mean | Sig ^a | Effect Size ^b | Mean | Sig ^a | Effect Size ^b | Mean | Sig ^a | Effect Size ^b |
| First-Year | 41.0 | 40.7 | | .01 | 42.2 | | -.08 | 43.2 | ** | -.13 |
| Seniors | 49.3 | 49.6 | | -.02 | 50.5 | * | -.07 | 51.0 | ** | -.10 |



Active and Collaborative Learning Items

Students learn more when they are intensely involved in their education and asked to think about what they are learning in different settings. Collaborating with others in solving problems or mastering difficult material prepares students for the messy, unscripted problems they will encounter daily during and after college.

- Asked questions in class or contributed to class discussions
- Made a class presentation
- Worked with other students on projects during class
- Worked with classmates outside of class to prepare class assignments
- Tutored or taught other students
- Participated in a community-based project as part of a regular course
- Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

Student-Faculty Interaction

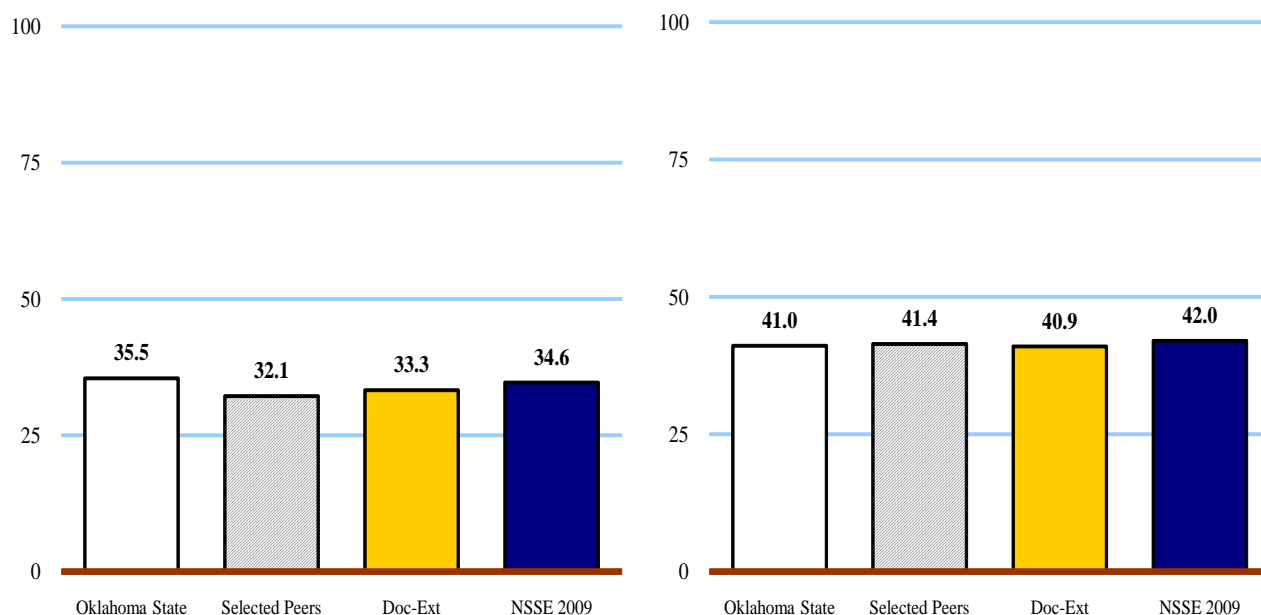
Benchmark Mean Comparisons

Oklahoma State compared with:

| Class | Oklahoma State | Selected Peers | | | Doc-Ext | | | NSSE 2009 | | |
|------------|----------------|----------------|------------------|--------------------------|---------|------------------|--------------------------|-----------|------------------|--------------------------|
| | Mean | Mean | Sig ^a | Effect Size ^b | Mean | Sig ^a | Effect Size ^b | Mean | Sig ^a | Effect Size ^b |
| First-Year | 35.5 | 32.1 | *** | .19 | 33.3 | * | .12 | 34.6 | | .04 |
| Seniors | 41.0 | 41.4 | | -.02 | 40.9 | | .01 | 42.0 | | -.04 |

First-Year

Seniors



Student-Faculty Interaction Items

Students learn firsthand how experts think about and solve practical problems by interacting with faculty members inside and outside the classroom. As a result, their teachers become role models, mentors, and guides for continuous, life-long learning.

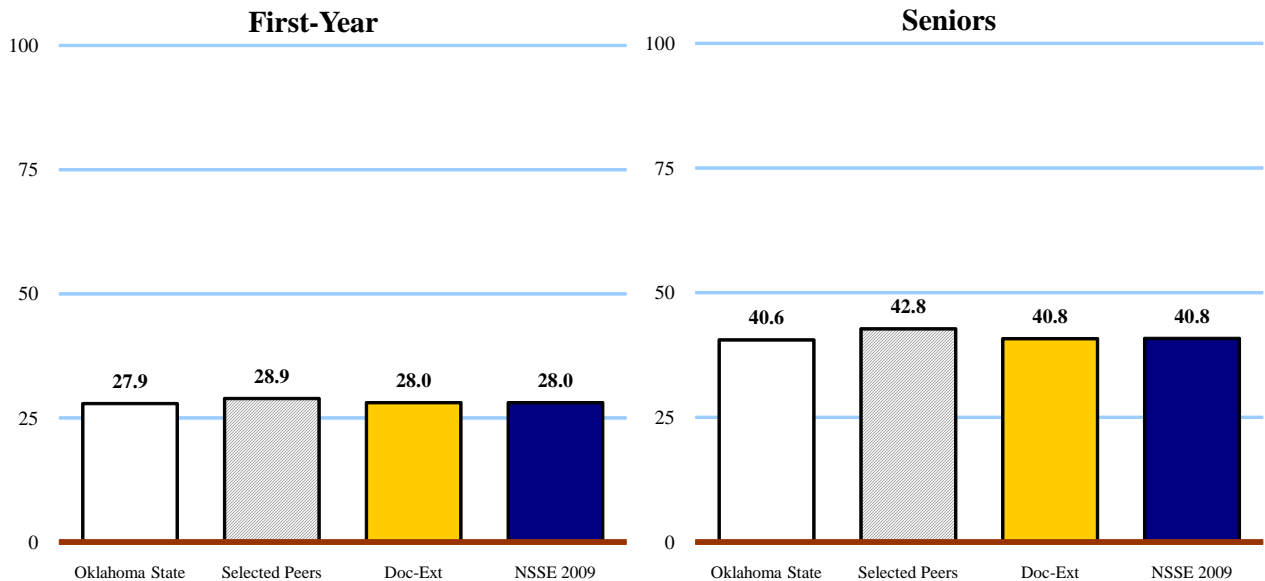
- Discussed grades or assignments with an instructor
- Talked about career plans with a faculty member or advisor
- Discussed ideas from your readings or classes with faculty members outside of class
- Worked with faculty members on activities other than coursework (committees, orientation, student-life activities, etc.)
- Received prompt feedback from faculty on your academic performance (written or oral)
- Worked with a faculty member on a research project outside of course or program requirements

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

Enriching Educational Experiences

Benchmark Mean Comparisons

| Class | Oklahoma State compared with: | | | | | | | | | |
|------------|-------------------------------|----------------|------------------|--------------------------|---------|------------------|--------------------------|-----------|------------------|--------------------------|
| | Oklahoma State | Selected Peers | | | Doc-Ext | | | NSSE 2009 | | |
| | Mean | Mean | Sig ^a | Effect Size ^b | Mean | Sig ^a | Effect Size ^b | Mean | Sig ^a | Effect Size ^b |
| First-Year | 27.9 | 28.9 | | -.08 | 28.0 | | -.01 | 28.0 | | -.01 |
| Seniors | 40.6 | 42.8 | *** | -.13 | 40.8 | | -.01 | 40.8 | | -.02 |



Enriching Educational Experiences Items

Complementary learning opportunities enhance academic programs. Diversity experiences teach students valuable things about themselves and others. Technology facilitates collaboration between peers and instructors. Internships, community service, and senior capstone courses provide opportunities to integrate and apply knowledge.

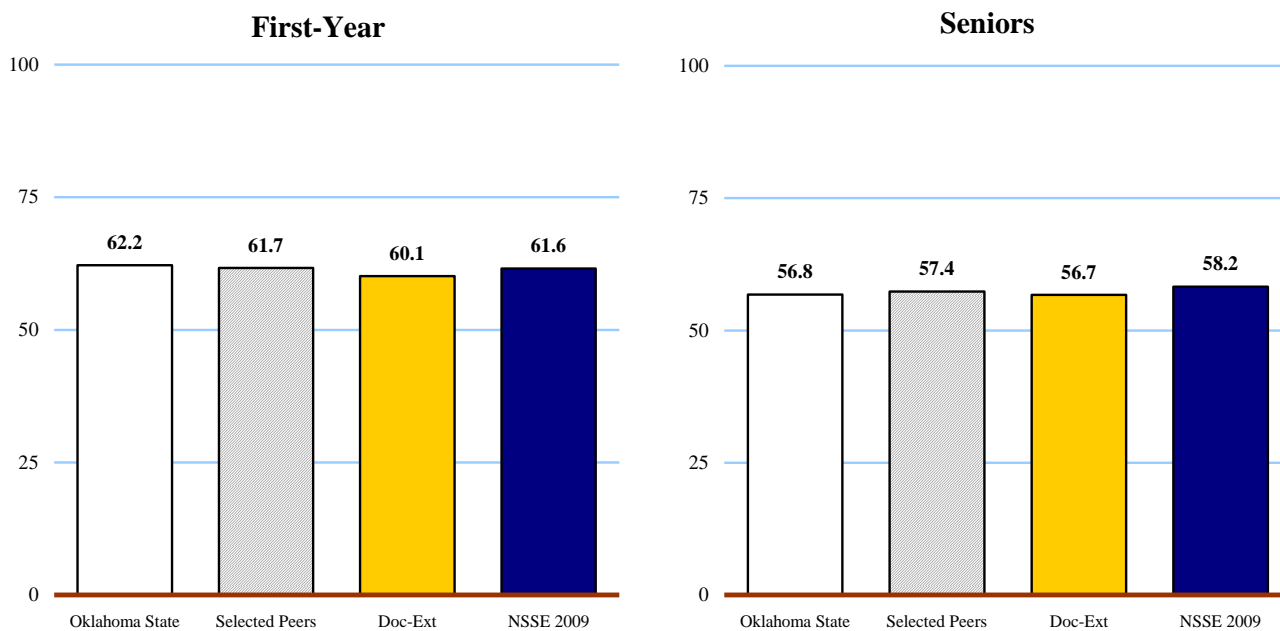
- Participating in co-curricular activities (organizations, publications, student government, sports, etc.)
- Practicum, internship, field experience, co-op experience, or clinical assignment
- Community service or volunteer work
- Foreign language coursework & study abroad
- Independent study or self-designed major
- Culminating senior experience (comprehensive exam, capstone course, thesis, project, etc.)
- Serious conversations with students of different religious beliefs, political opinions, or personal values
- Serious conversations with students of a different race or ethnicity
- Using electronic technology to discuss or complete an assignment
- Campus environment encouraging contact among students from different economic, social, and racial or ethnic backgrounds
- Participate in a learning community or some other formal program where groups of students take two or more classes together

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

Supportive Campus Environment

Benchmark Mean Comparisons

| Class | Oklahoma State compared with: | | | | | | | | | |
|------------|-------------------------------|----------------|------------------|--------------------------|---------|------------------|--------------------------|-----------|------------------|--------------------------|
| | Oklahoma State | Selected Peers | | | Doc-Ext | | | NSSE 2009 | | |
| | Mean | Mean | Sig ^a | Effect Size ^b | Mean | Sig ^a | Effect Size ^b | Mean | Sig ^a | Effect Size ^b |
| First-Year | 62.2 | 61.7 | | .03 | 60.1 | * | .11 | 61.6 | | .03 |
| Seniors | 56.8 | 57.4 | | -.03 | 56.7 | | .00 | 58.2 | * | -.08 |



Supportive Campus Environment Items

Students perform better and are more satisfied at colleges that are committed to their success and cultivate positive working and social relations among different groups on campus.

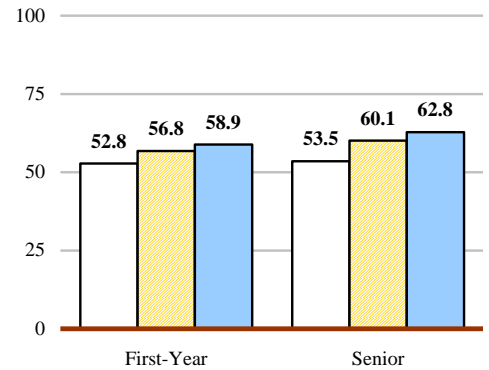
- Campus environment provides the support you need to help you succeed academically
- Campus environment helps you cope with your non-academic responsibilities (work, family, etc.)
- Campus environment provides the support you need to thrive socially
- Quality of relationships with other students
- Quality of relationships with faculty members
- Quality of relationships with administrative personnel and offices

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

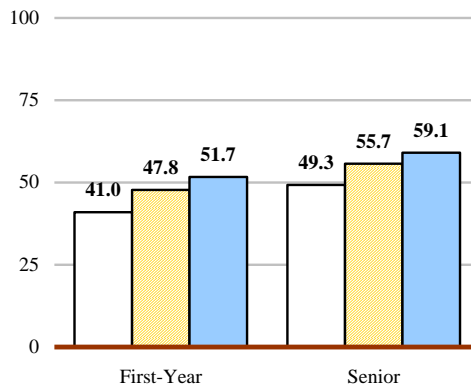
Oklahoma State compared with

| | Oklahoma State | NSSE 2009 Top 50% | | | NSSE 2009 Top 10% | | | |
|------------|----------------|-------------------|------|------------------|--------------------------|------|------------------|--------------------------|
| | | mean | mean | sig ^a | effect size ^b | mean | sig ^a | effect size ^b |
| First-Year | LAC | 52.8 | 56.8 | *** | -.31 | 58.9 | *** | -.47 |
| | ACL | 41.0 | 47.8 | *** | -.41 | 51.7 | *** | -.62 |
| | SFI | 35.5 | 39.1 | *** | -.19 | 43.7 | *** | -.40 |
| | EEE | 27.9 | 31.0 | *** | -.23 | 32.8 | *** | -.36 |
| | SCE | 62.2 | 66.2 | *** | -.22 | 69.1 | *** | -.38 |
| Senior | LAC | 53.5 | 60.1 | *** | -.48 | 62.8 | *** | -.69 |
| | ACL | 49.3 | 55.7 | *** | -.38 | 59.1 | *** | -.57 |
| | SFI | 41.0 | 48.8 | *** | -.36 | 54.2 | *** | -.60 |
| | EEE | 40.6 | 48.1 | *** | -.42 | 54.2 | *** | -.79 |
| | SCE | 56.8 | 64.1 | *** | -.39 | 67.5 | *** | -.58 |

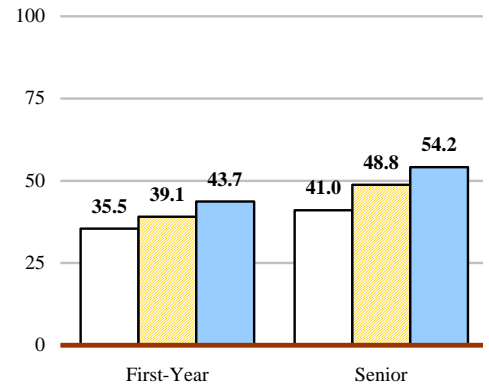
Level of Academic Challenge



Active and Collaborative Learning



Student-Faculty Interaction

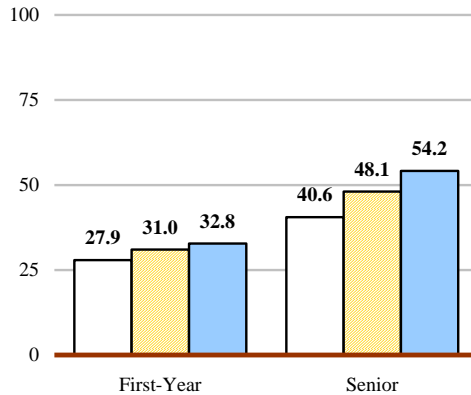


Legend

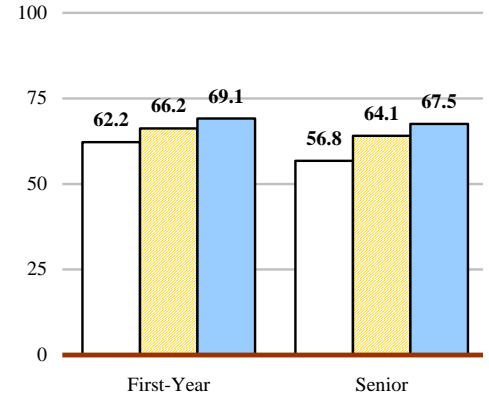
- Oklahoma State
- Top 50%
- Top 10%

This display compares your students with those attending schools that scored in the top 50% and top 10% of all NSSE 2009 institutions on the benchmark.

Enriching Educational Experiences



Supportive Campus Environment



* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

First-Year Students

| | Mean Statistics | | | | | Distribution Statistics | | | | | Reference Group Comparison Statistics | | | | | |
|--|-----------------|------|------|----|-------------------------------|--|----|----|----|----|---------------------------------------|----|-------------------------------|------|------|----------------|
| | N | Mean | SD | SE | Conf. Interval Lower Upper | Percentile Distribution 5 25 50 75 95 | | | | | Mean Diff. | SE | Conf. Interval Lower Upper | | Sig. | Effect size |
| LEVEL OF ACADEMIC CHALLENGE | | | | | | | | | | | | | | | | |
| Oklahoma State | 422 | 52.8 | 13.1 | .6 | 51.6 54.0 | 30 | 44 | 53 | 62 | 74 | | | | | | |
| Selected Peers | 9,272 | 52.0 | 13.1 | .1 | 51.8 52.3 | 31 | 43 | 52 | 61 | 74 | .8 | .7 | -5 | 2.0 | .242 | .06 |
| Doc-Ext | 23,019 | 53.5 | 13.4 | .1 | 53.3 53.7 | 32 | 44 | 53 | 63 | 75 | -.7 | .7 | -2.0 | .6 | .293 | -.05 |
| NSSE 2009 | 113,773 | 53.7 | 13.5 | .0 | 53.6 53.8 | 32 | 44 | 54 | 63 | 75 | -.9 | .7 | -2.2 | .4 | .186 | -.06 |
| Top 50% | 43,496 | 56.8 | 13.0 | .1 | 56.7 56.9 | 35 | 48 | 57 | 66 | 78 | -4.0 | .6 | -5.3 | -2.8 | .000 | -.31 |
| Top 10% | 11,796 | 58.9 | 12.9 | .1 | 58.6 59.1 | 37 | 50 | 59 | 68 | 79 | -6.1 | .6 | -7.3 | -4.8 | .000 | -.47 |
| ACTIVE AND COLLABORATIVE LEARNING | | | | | | | | | | | | | | | | |
| Oklahoma State | 474 | 41.0 | 15.5 | .7 | 39.6 42.4 | 19 | 29 | 38 | 48 | 67 | | | | | | |
| Selected Peers | 10,327 | 40.7 | 16.0 | .2 | 40.4 41.1 | 19 | 29 | 38 | 52 | 67 | .2 | .8 | -1.2 | 1.7 | .760 | .01 |
| Doc-Ext | 24,930 | 42.2 | 16.5 | .1 | 42.0 42.4 | 19 | 29 | 42 | 52 | 71 | -1.3 | .8 | -2.8 | .2 | .101 | -.08 |
| NSSE 2009 | 123,639 | 43.2 | 16.6 | .0 | 43.1 43.3 | 19 | 33 | 43 | 52 | 71 | -2.2 | .8 | -3.7 | -.7 | .004 | -.13 |
| Top 50% | 36,908 | 47.8 | 16.6 | .1 | 47.6 47.9 | 24 | 38 | 48 | 57 | 76 | -6.8 | .7 | -8.2 | -5.4 | .000 | -.41 |
| Top 10% | 7,816 | 51.7 | 17.5 | .2 | 51.3 52.1 | 24 | 38 | 52 | 62 | 81 | -10.7 | .7 | -12.2 | -9.3 | .000 | -.62 |
| STUDENT-FACULTY INTERACTION | | | | | | | | | | | | | | | | |
| Oklahoma State | 431 | 35.5 | 17.7 | .9 | 33.8 37.1 | 11 | 22 | 33 | 44 | 72 | | | | | | |
| Selected Peers | 9,370 | 32.1 | 17.7 | .2 | 31.8 32.5 | 11 | 20 | 28 | 44 | 67 | 3.3 | .9 | 1.6 | 5.0 | .000 | .19 |
| Doc-Ext | 23,217 | 33.3 | 18.3 | .1 | 33.0 33.5 | 11 | 22 | 28 | 44 | 67 | 2.2 | .9 | .5 | 3.9 | .013 | .12 |
| NSSE 2009 | 114,953 | 34.6 | 18.4 | .1 | 34.5 34.8 | 11 | 22 | 33 | 44 | 72 | .8 | .9 | -.9 | 2.6 | .360 | .04 |
| Top 50% | 33,875 | 39.1 | 19.2 | .1 | 38.9 39.3 | 11 | 27 | 39 | 50 | 78 | -3.6 | .9 | -5.3 | -1.9 | .000 | -.19 |
| Top 10% | 5,530 | 43.7 | 20.6 | .3 | 43.1 44.2 | 17 | 28 | 39 | 56 | 83 | -8.2 | .9 | -10.0 | -6.5 | .000 | -.40 |
| ENRICHING EDUCATIONAL EXPERIENCES | | | | | | | | | | | | | | | | |
| Oklahoma State | 405 | 27.9 | 12.7 | .6 | 26.7 29.1 | 11 | 19 | 26 | 36 | 51 | | | | | | |
| Selected Peers | 9,054 | 28.9 | 13.1 | .1 | 28.6 29.2 | 10 | 19 | 28 | 37 | 51 | -1.0 | .7 | -2.3 | .3 | .131 | -.08 |
| Doc-Ext | 22,450 | 28.0 | 13.3 | .1 | 27.9 28.2 | 8 | 19 | 27 | 36 | 51 | -.1 | .7 | -1.4 | 1.2 | .839 | -.01 |
| NSSE 2009 | 110,829 | 28.0 | 13.4 | .0 | 28.0 28.1 | 8 | 18 | 27 | 36 | 51 | -.1 | .7 | -1.4 | 1.2 | .834 | -.01 |
| Top 50% | 49,217 | 31.0 | 13.4 | .1 | 30.9 31.1 | 11 | 22 | 30 | 39 | 54 | -3.1 | .7 | -4.4 | -1.8 | .000 | -.23 |
| Top 10% | 15,487 | 32.8 | 13.7 | .1 | 32.6 33.0 | 12 | 23 | 32 | 41 | 56 | -4.9 | .7 | -6.3 | -3.6 | .000 | -.36 |
| SUPPORTIVE CAMPUS ENVIRONMENT | | | | | | | | | | | | | | | | |
| Oklahoma State | 397 | 62.2 | 16.8 | .8 | 60.5 63.9 | 33 | 50 | 63 | 72 | 92 | | | | | | |
| Selected Peers | 8,795 | 61.7 | 17.9 | .2 | 61.3 62.0 | 31 | 50 | 61 | 75 | 92 | .5 | .9 | -1.2 | 2.2 | .542 | .03 |
| Doc-Ext | 21,943 | 60.1 | 18.7 | .1 | 59.9 60.4 | 28 | 47 | 61 | 72 | 92 | 2.1 | .9 | .4 | 3.7 | .016 | .11 |
| NSSE 2009 | 108,137 | 61.6 | 18.8 | .1 | 61.5 61.7 | 31 | 50 | 61 | 75 | 92 | .6 | .8 | -1.0 | 2.3 | .454 | .03 |
| Top 50% | 34,527 | 66.2 | 18.1 | .1 | 66.0 66.4 | 36 | 56 | 67 | 78 | 94 | -4.0 | .9 | -5.7 | -2.3 | .000 | -.22 |
| Top 10% | 7,813 | 69.1 | 18.3 | .2 | 68.7 69.6 | 36 | 58 | 69 | 83 | 97 | -7.0 | .9 | -8.7 | -5.2 | .000 | -.38 |

Senior Students

| | Mean Statistics | | | | | | Distribution Statistics | | | | | Reference Group Comparison Statistics | | | | | |
|--|-----------------|------|------|----|----------------|-------|-------------------------|----|----|----|----|---------------------------------------|----|----------------|-------|------|-------------|
| | N | Mean | SD | SE | Conf. Interval | | Percentile Distribution | | | | | Mean Diff. | SE | Conf. Interval | | Sig. | Effect size |
| | | | | | Lower | Upper | 5 | 25 | 50 | 75 | 95 | | | Lower | Upper | | |
| LEVEL OF ACADEMIC CHALLENGE | | | | | | | | | | | | | | | | | |
| Oklahoma State | 866 | 53.5 | 14.4 | .5 | 52.6 | 54.5 | 29 | 44 | 54 | 63 | 76 | | | | | | |
| Selected Peers | 14,094 | 55.2 | 14.0 | .1 | 55.0 | 55.4 | 32 | 46 | 55 | 65 | 78 | -1.7 | .5 | -2.6 | -.7 | .001 | -.12 |
| Doc-Ext | 35,751 | 56.6 | 14.2 | .1 | 56.4 | 56.7 | 33 | 47 | 57 | 66 | 79 | -3.0 | .5 | -4.0 | -2.1 | .000 | -.21 |
| NSSE 2005 | 168,448 | 57.1 | 14.3 | .0 | 57.0 | 57.1 | 33 | 48 | 57 | 67 | 80 | -3.5 | .5 | -4.5 | -2.6 | .000 | -.30 |
| Top 50% | 52,849 | 60.1 | 13.7 | .1 | 60.0 | 60.2 | 37 | 51 | 61 | 70 | 82 | -6.6 | .5 | -7.5 | -5.7 | .000 | -.53 |
| Top 10% | 11,022 | 62.8 | 13.3 | .1 | 62.5 | 63.0 | 40 | 54 | 63 | 72 | 84 | -9.3 | .5 | -10.3 | -8.3 | .000 | -.93 |
| ACTIVE AND COLLABORATIVE LEARNING | | | | | | | | | | | | | | | | | |
| Oklahoma State | 936 | 49.3 | 16.8 | .6 | 48.2 | 50.4 | 24 | 38 | 48 | 62 | 81 | | | | | | |
| Selected Peers | 15,015 | 49.6 | 16.9 | .1 | 49.3 | 49.9 | 24 | 38 | 48 | 62 | 81 | -.3 | .6 | -1.4 | .8 | .561 | -.02 |
| Doc-Ext | 37,612 | 50.5 | 17.2 | .1 | 50.3 | 50.7 | 24 | 38 | 48 | 62 | 81 | -1.2 | .6 | -2.3 | -.1 | .034 | -.07 |
| NSSE 2005 | 176,838 | 51.0 | 17.4 | .0 | 50.9 | 51.1 | 24 | 38 | 52 | 62 | 81 | -1.8 | .6 | -2.9 | -.6 | .002 | -.10 |
| Top 50% | 47,893 | 55.7 | 16.9 | .1 | 55.6 | 55.9 | 29 | 43 | 57 | 67 | 86 | -6.5 | .6 | -7.6 | -5.4 | .000 | -.38 |
| Top 10% | 10,150 | 59.1 | 17.2 | .2 | 58.7 | 59.4 | 33 | 48 | 57 | 71 | 89 | -9.8 | .6 | -11.0 | -8.7 | .000 | -.57 |
| STUDENT-FACULTY INTERACTION | | | | | | | | | | | | | | | | | |
| Oklahoma State | 882 | 41.0 | 20.9 | .7 | 39.6 | 42.4 | 11 | 27 | 39 | 56 | 83 | | | | | | |
| Selected Peers | 14,179 | 41.4 | 20.4 | .2 | 41.1 | 41.7 | 11 | 28 | 39 | 56 | 78 | -.4 | .7 | -1.8 | 1.0 | .592 | -.02 |
| Doc-Ext | 35,997 | 40.9 | 20.7 | .1 | 40.7 | 41.1 | 11 | 28 | 39 | 56 | 78 | .1 | .7 | -1.3 | 1.5 | .873 | .01 |
| NSSE 2005 | 169,692 | 42.0 | 20.9 | .1 | 41.9 | 42.1 | 11 | 28 | 39 | 56 | 83 | -.9 | .7 | -2.3 | .4 | .186 | -.04 |
| Top 50% | 38,188 | 48.8 | 21.3 | .1 | 48.6 | 49.0 | 17 | 33 | 44 | 61 | 89 | -7.7 | .7 | -9.2 | -6.3 | .000 | -.36 |
| Top 10% | 6,192 | 54.2 | 22.0 | .3 | 53.7 | 54.7 | 22 | 39 | 56 | 72 | 94 | -13.1 | .8 | -14.6 | -11.6 | .000 | -.60 |
| ENRICHING EDUCATIONAL EXPERIENCES | | | | | | | | | | | | | | | | | |
| Oklahoma State | 844 | 40.6 | 17.9 | .6 | 39.4 | 41.8 | 14 | 28 | 39 | 52 | 72 | | | | | | |
| Selected Peers | 13,812 | 42.8 | 17.1 | .1 | 42.5 | 43.0 | 16 | 31 | 42 | 55 | 72 | -2.2 | .6 | -3.4 | -1.0 | .000 | -.13 |
| Doc-Ext | 35,114 | 40.8 | 17.9 | .1 | 40.6 | 41.0 | 13 | 28 | 40 | 53 | 72 | -.2 | .6 | -1.5 | 1.0 | .702 | -.01 |
| NSSE 2005 | 165,230 | 40.8 | 18.2 | .0 | 40.8 | 40.9 | 13 | 28 | 40 | 54 | 72 | -.3 | .6 | -1.5 | .9 | .645 | -.02 |
| Top 50% | 52,059 | 48.1 | 17.8 | .1 | 47.9 | 48.2 | 18 | 36 | 48 | 61 | 77 | -7.5 | .6 | -8.7 | -6.3 | .000 | -.42 |
| Top 10% | 10,839 | 54.2 | 17.1 | .2 | 53.8 | 54.5 | 25 | 43 | 55 | 66 | 81 | -13.6 | .6 | -14.9 | -12.4 | .000 | -.79 |
| SUPPORTIVE CAMPUS ENVIRONMENT | | | | | | | | | | | | | | | | | |
| Oklahoma State | 831 | 56.8 | 18.7 | .6 | 55.5 | 58.1 | 25 | 44 | 58 | 69 | 89 | | | | | | |
| Selected Peers | 13,550 | 57.4 | 18.8 | .2 | 57.1 | 57.7 | 25 | 44 | 58 | 69 | 89 | -.6 | .7 | -1.9 | .7 | .379 | -.03 |
| Doc-Ext | 34,484 | 56.7 | 19.2 | .1 | 56.5 | 56.9 | 25 | 44 | 57 | 69 | 89 | .1 | .7 | -1.3 | 1.4 | .917 | .00 |
| NSSE 2005 | 162,301 | 58.2 | 19.3 | .0 | 58.2 | 58.3 | 25 | 44 | 58 | 72 | 92 | -1.5 | .7 | -2.8 | -.1 | .029 | -.08 |
| Top 50% | 44,043 | 64.1 | 18.8 | .1 | 63.9 | 64.3 | 33 | 53 | 64 | 78 | 94 | -7.3 | .7 | -8.6 | -6.0 | .000 | -.39 |
| Top 10% | 10,722 | 67.5 | 18.5 | .2 | 67.2 | 67.9 | 36 | 56 | 69 | 81 | 97 | -10.8 | .7 | -12.1 | -9.5 | .000 | -.58 |

OSU Multi-Year Benchmark Report

For institutions that have participated in multiple NSSE administrations, this *Multi-Year Benchmark Report* presents comparable benchmark scores by year so that patterns of change or stability may be discernible. It also provides statistics such as *number of respondents*, *standard deviation*, and *standard error* so that shorthand mean comparison tests can be calculated.

Questions that might be answered with this report include, "How stable was the level of student-faculty interaction over the years?" or "Given the implementation of initiative X three years ago, did the level of active and collaborative learning increase?"

This report has three main parts: (a) a table of *data quality indicators* (p. 3), which provides a quick reference to important statistics for each year's participation, (b) *multi-year charts*, and (c) *detailed statistics*. Key terms and features of (b) and (c) are described below using data from the fictional "NSSEville State University."

For more information and recommendations for analyzing past and present NSSE data for trends or stability, consult the *Multi-Year Data Analysis Guide*: [www.nsse.iub.edu/pdf/NSSE Multi-Year Data Analysis Guide.pdf](http://www.nsse.iub.edu/pdf/NSSE%20Multi-Year%20Data%20Analysis%20Guide.pdf).

Key Terms and Features in this Report

Y-Axis

Benchmarks are computed on a 0 to 100 scale, however nearly all institutional scores are between the y-axis values of 15 and 85.

Benchmark Score

The benchmark score is the weighted average of the student-level scores, using only randomly sampled students from each year's data.

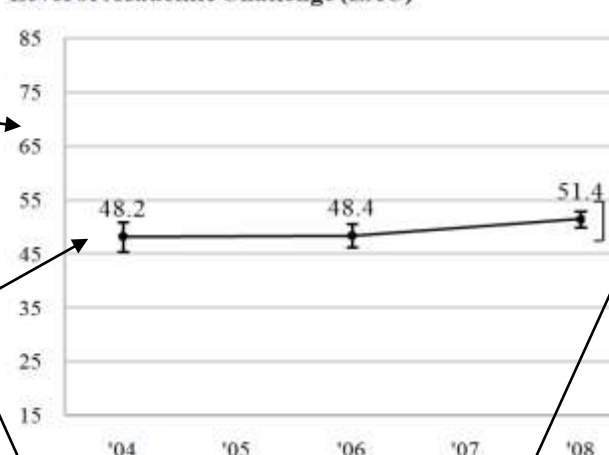
n

Unweighted number of respondents represented in the data.

SEM

Standard error of the mean is how much a score based on a sample may differ from the true population score. *SEM* is used to compute confidence intervals.

Level of Academic Challenge (LAC)



Error Bars/Confidence Intervals

Error bars around each benchmark score show the upper and lower bounds of the 95% confidence interval (mean $\pm 1.96 * SEM$), a range of values 95% likely to contain the true population score. "Upper" and "Lower" limits are also reported in the detailed statistics tables. Where confidence intervals do not overlap between years, a statistically significant difference ($p < .05$) is likely to be present.

Year

All NSSE administration years since 2004 are listed regardless of participation.

| | 2004 | 2005 | 2006 | 2007 | 2008 |
|------------|-------------|------|-------------|------|-------------|
| LAC | 48.2 | | 48.4 | | 51.4 |
| n | 405 | | 303 | | 307 |
| SD | 12.1 | | 12.3 | | 11.8 |
| SEM | .60 | | .71 | | .67 |
| Upper | 49.4 | | 49.8 | | 52.7 |
| Lower | 47.0 | | 47.0 | | 50.1 |

SD

Standard deviation, the average amount by which students' scores differ from the mean.



NSSE 2009 Multi-Year Benchmark Report
Data Quality Indicators
Oklahoma State University

Some NSSE administrations at an institution may yield more precise population estimates than others. The values in this table were drawn from the *Respondent Characteristics* reports for each NSSE administration. An important early step in conducting a multi-year analysis is to review the quality of OSU data for both first-year and senior respondents in each year.

| Year ^a | Mode ^b | Response Rate ^c | | Sampling Error ^d | | Number of Respondents ^e | |
|-------------------|-------------------|----------------------------|-----|-----------------------------|------|------------------------------------|-----|
| | | FY | SR | FY | SR | FY | SR |
| 2004* | -- | -- | -- | -- | -- | -- | -- |
| 2005 | Web | 37% | 38% | 3.1% | 3.0% | 797 | 842 |
| 2006* | -- | -- | -- | -- | -- | -- | -- |
| 2007* | -- | -- | -- | -- | -- | -- | -- |
| 2008* | -- | -- | -- | -- | -- | -- | -- |
| 2009 | Web | 17% | 25% | 4.1% | 2.8% | 476 | 938 |

^a All NSSE administration years since 2004 are listed regardless of participation.

^b Modes include *Paper* (students receive a paper survey and the option of completing a Web version), *Web* (students receive all

^c Response rates (number of respondents divided by sample size) were adjusted for ineligibility, nondeliverable mailing addresses,

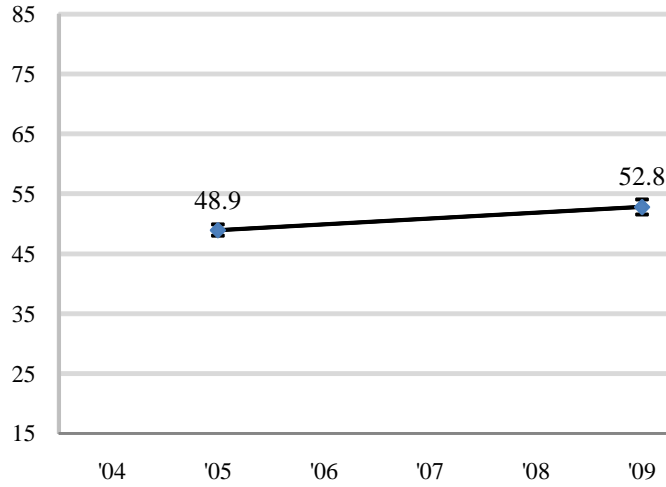
^d Sampling error gauges the precision of estimates based on a sample survey. It is an estimate of how much survey item percentages for

^e This is the original count used to calculate response rates and sampling errors for each administration's *Respondent Characteristics*

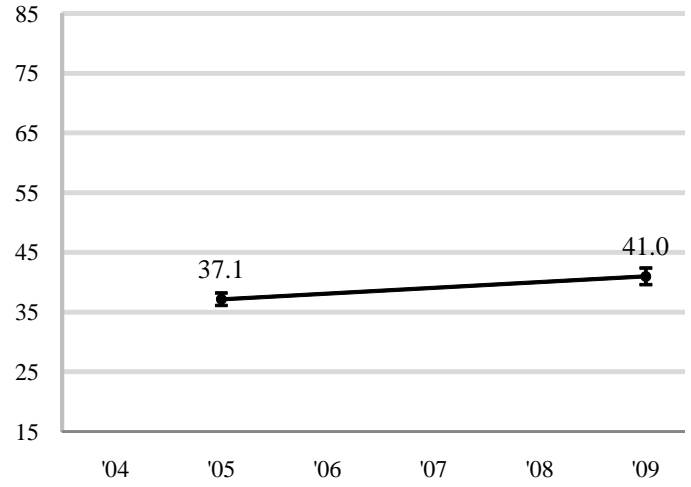
* OSU did not participate in the NSSE survey.

First-Year Students

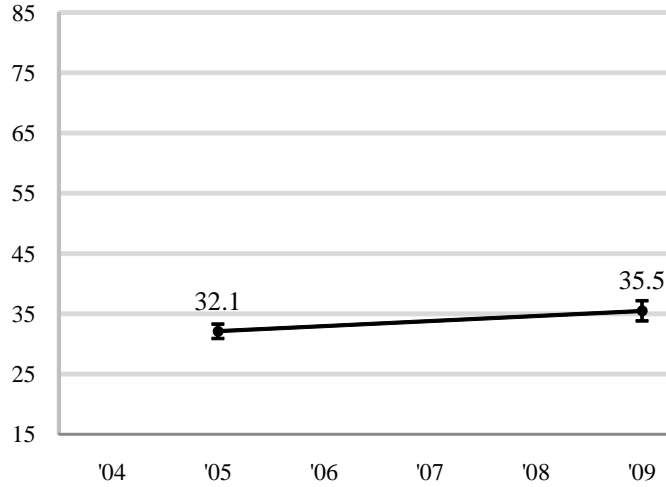
Level of Academic Challenge (LAC)



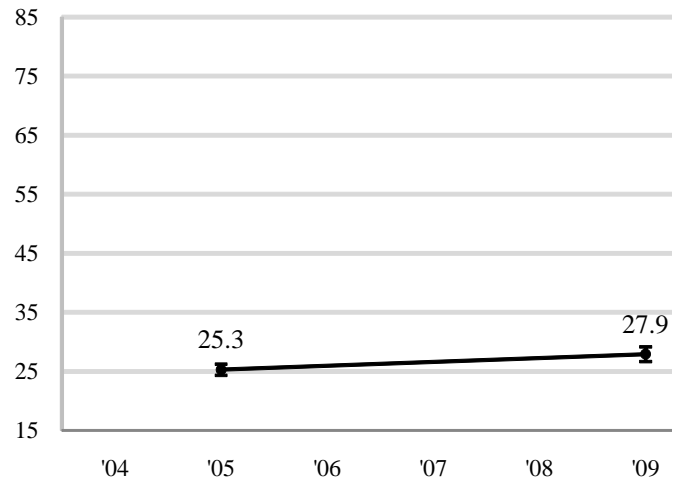
Active and Collaborative Learning (ACL)



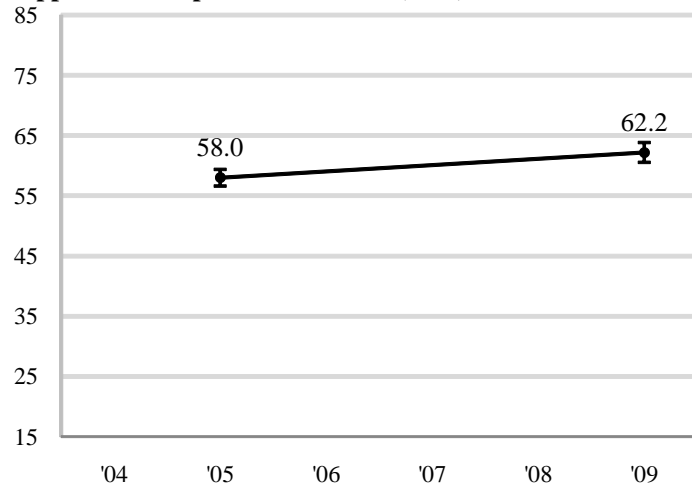
Student-Faculty Interaction (SFI)



Enriching Educational Experiences (EEE)



Supportive Campus Environment (SCE)



Notes:

- Benchmark scores are charted for all years of participation. See page 20 for detailed statistics.
- For more information and recommendations for analyzing multi-year NSSE data, consult the *Multi-Year Data Analysis Guide*: www.nsse.iub.edu/pdf/NSSE_Multi-Year_Data_Analysis_Guide.pdf.



**National Survey
of Student Engagement**

NSSE 2009 Multi-Year Benchmark Report
Detailed Statistics^a

Oklahoma State University

First-Year Students

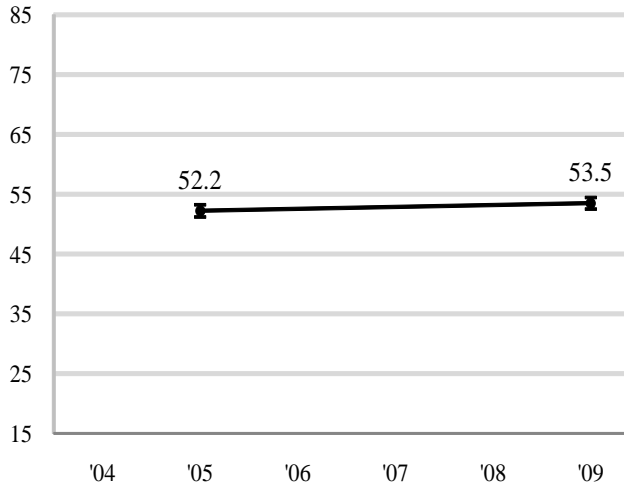
| | | 2004* | 2005 | 2006 * | 2007 * | 2008 * | 2009 |
|--|------------|-------|-------------|--------|--------|--------|-------------|
| Level of Academic Challenge | LAC | -- | 48.9 | -- | -- | -- | 52.8 |
| | n | -- | 729 | -- | -- | -- | 422 |
| | SD | -- | 12.9 | -- | -- | -- | 13.1 |
| | SEM | -- | .48 | -- | -- | -- | .64 |
| | Upper | -- | 49.9 | -- | -- | -- | 54.0 |
| | Lower | -- | 48.0 | -- | -- | -- | 51.6 |
| Active and Collaborative Learning | ACL | -- | 37.1 | -- | -- | -- | 41.0 |
| | n | -- | 795 | -- | -- | -- | 474 |
| | SD | -- | 14.8 | -- | -- | -- | 15.5 |
| | SEM | -- | .53 | -- | -- | -- | .71 |
| | Upper | -- | 38.2 | -- | -- | -- | 42.4 |
| | Lower | -- | 36.1 | -- | -- | -- | 39.6 |
| Student Faculty Interaction | SFI | -- | 32.1 | -- | -- | -- | 35.5 |
| | n | -- | 738 | -- | -- | -- | 431 |
| | SD | -- | 16.6 | -- | -- | -- | 17.7 |
| | SEM | -- | .61 | -- | -- | -- | .85 |
| | Upper | -- | 33.3 | -- | -- | -- | 37.1 |
| | Lower | -- | 30.9 | -- | -- | -- | 33.8 |
| Enriching Educational Experiences | EEE | -- | 25.3 | -- | -- | -- | 27.9 |
| | n | -- | 699 | -- | -- | -- | 405 |
| | SD | -- | 12.6 | -- | -- | -- | 12.7 |
| | SEM | -- | .48 | -- | -- | -- | .63 |
| | Upper | -- | 26.2 | -- | -- | -- | 29.1 |
| | Lower | -- | 24.3 | -- | -- | -- | 26.7 |
| Supportive Campus Environment | SCE | -- | 58.0 | -- | -- | -- | 62.2 |
| | n | -- | 685 | -- | -- | -- | 397 |
| | SD | -- | 18.3 | -- | -- | -- | 16.8 |
| | SEM | -- | .70 | -- | -- | -- | .85 |
| | Upper | -- | 59.4 | -- | -- | -- | 63.9 |
| | Lower | -- | 56.6 | -- | -- | -- | 60.5 |

^a n=number of respondents; SD=standard deviation; SEM=standard error of the mean; Upper/Lower=95% confidence interval

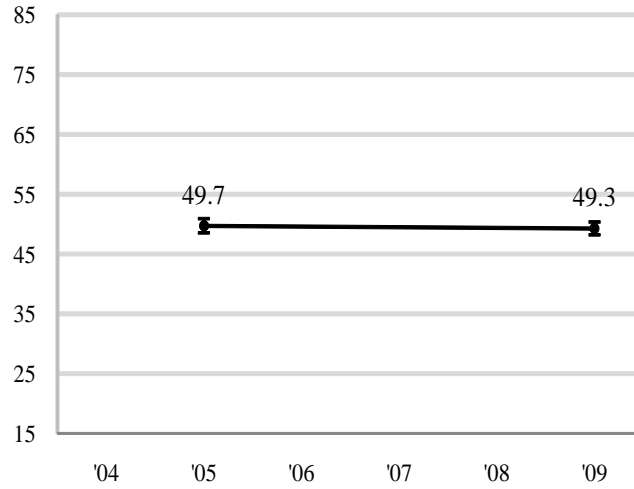
* OSU did not participate in the NSSE survey.

Seniors

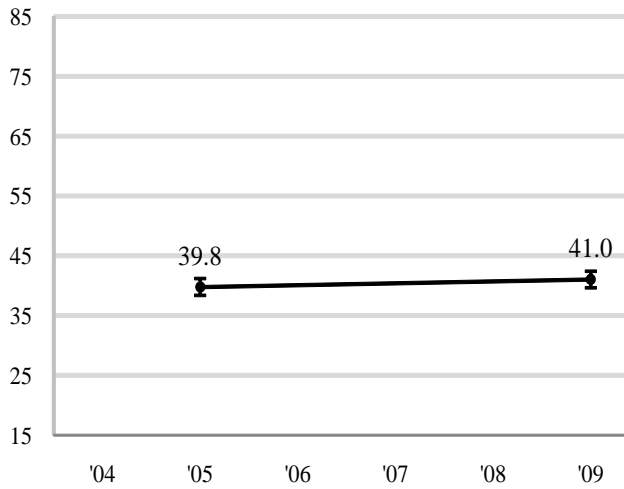
Level of Academic Challenge (LAC)



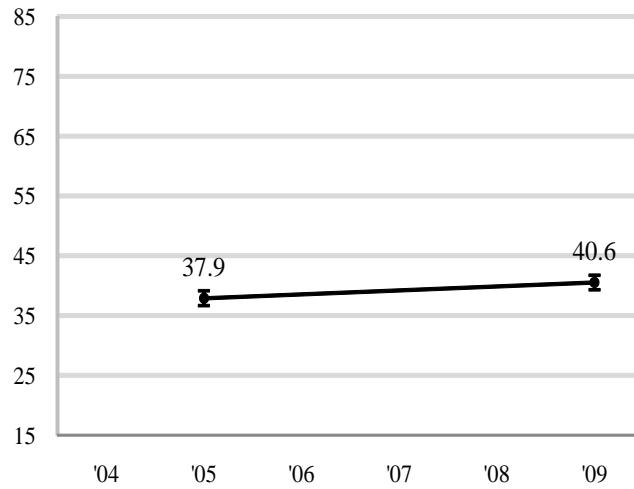
Active and Collaborative Learning (ACL)



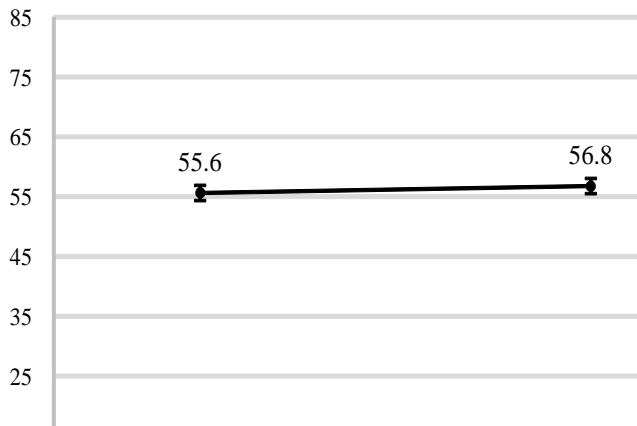
Student-Faculty Interaction (SFI)



Enriching Educational Experiences (EEE)



Supportive Campus Environment (SCE)



Notes:

- Benchmark scores are charted for all years of participation. See page 22 for detailed statistics.
- For more information and recommendations for analyzing multi-year NSSE data, consult the *Multi-Year Data Analysis Guide*: www.nsse.iub.edu/pdf/NSSE_Multi-Year_Data_Analysis_Guide.pdf.

Oklahoma State University

| | | Seniors | | | | | |
|--|------------|----------------|-------------|--------|--------|--------|-------------|
| | | 2004* | 2005 | 2006 * | 2007 * | 2008 * | 2009 |
| Level of Academic Challenge | LAC | -- | 52.2 | -- | -- | -- | 53.5 |
| | n | -- | 810 | -- | -- | -- | 866 |
| | <i>SD</i> | -- | 14.8 | -- | -- | -- | 14.4 |
| | <i>SEM</i> | -- | .52 | -- | -- | -- | .49 |
| | Upper | -- | 53.3 | -- | -- | -- | 54.5 |
| | Lower | -- | 51.2 | -- | -- | -- | 52.6 |
| Active and Collaborative Learning | ACL | -- | 49.7 | -- | -- | -- | 49.3 |
| | n | -- | 841 | -- | -- | -- | 936 |
| | <i>SD</i> | -- | 17.6 | -- | -- | -- | 16.8 |
| | <i>SEM</i> | -- | .61 | -- | -- | -- | .55 |
| | Upper | -- | 50.9 | -- | -- | -- | 50.4 |
| | Lower | -- | 48.5 | -- | -- | -- | 48.2 |
| Student Faculty Interaction | SFI | -- | 39.8 | -- | -- | -- | 41.0 |
| | n | -- | 818 | -- | -- | -- | 882 |
| | <i>SD</i> | -- | 20.8 | -- | -- | -- | 20.9 |
| | <i>SEM</i> | -- | .73 | -- | -- | -- | .70 |
| | Upper | -- | 41.2 | -- | -- | -- | 42.4 |
| | Lower | -- | 38.4 | -- | -- | -- | 39.7 |
| Enriching Educational Experiences | EEE | -- | 37.9 | -- | -- | -- | 40.6 |
| | n | -- | 798 | -- | -- | -- | 844 |
| | <i>SD</i> | -- | 17.6 | -- | -- | -- | 17.9 |
| | <i>SEM</i> | -- | .62 | -- | -- | -- | .62 |
| | Upper | -- | 39.1 | -- | -- | -- | 41.8 |
| | Lower | -- | 36.7 | -- | -- | -- | 39.3 |
| Supportive Campus Environment | SCE | -- | 55.6 | -- | -- | -- | 56.8 |
| | n | -- | 789 | -- | -- | -- | 831 |
| | <i>SD</i> | -- | 18.0 | -- | -- | -- | 18.7 |
| | <i>SEM</i> | -- | .64 | -- | -- | -- | .65 |
| | Upper | -- | 56.9 | -- | -- | -- | 58.1 |
| | Lower | -- | 54.4 | -- | -- | -- | 55.5 |

^a n=number of respondents; *SD*=standard deviation; *SEM*=standard error of the mean; Upper/Lower=95% confidence interval

* OSU did not participate in the NSSE survey.

IPEDS:207388

Using the NSSE Results

NSSE is only one source of information about the student experience, but it provides a unique way of looking at college performance as well as valuable comparative and benchmark data. The goal of the NSSE is to steer the conversation about collegiate quality towards what matters most to student learning – good educational practice.

Now that OSU has four years of NSSE data (2000, 2002, 2005 and 2009), we need to consider how to effectively respond to the findings. These are some of the questions we will need to address as we shift from considering the NSSE findings to acting on them:

- How will we use these results to target areas for improvement and modify programs and policies accordingly?
- How should we communicate NSSE results to key audiences?
- How do we integrate these findings into strategic planning at the institution-, college-, and unit-levels?

| Sample Size Information (# of students) | 1st Yr. | Senior | Total |
|---|---------|--------|--------|
| OSU | 476 | 938 | 1,414 |
| Selected Peer Group | 8,235 | 10,385 | 18,620 |
| Doctoral-Extensive | 24,587 | 29,320 | 53,907 |

| Academic and Intellectual Experiences <i>In your experience at this institution during the current school year, about how often have you done each of the following?</i> | Class Rank | Percent of OSU Students who gave the response... | | | | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|------------|--|---------------|-----------|----------------|----------------------|-----------------------|--------------------------|
| | | 1 = never | 2 = sometimes | 3 = often | 4 = very often | | | |
| Asked questions in class or contributed to class discussions | 1st Yr. | 3% | 42% | 36% | 19% | 2.70 | 2.56*** | 2.75 |
| | Senior | 4 | 35 | 31 | 30 | 2.87 | 2.92 | 3.04*** |
| Made a class presentation | 1st Yr. | 20 | 61 | 14 | 5 | 2.04 | 1.99 | 2.18*** |
| | Senior | 6 | 40 | 35 | 18 | 2.67 | 2.67 | 2.73* |
| Prepared two or more drafts of a paper or assignment before turning it in | 1st Yr. | 16 | 30 | 30 | 24 | 2.62 | 2.40*** | 2.62 |
| | Senior | 20 | 38 | 25 | 17 | 2.40 | 2.34 | 2.44 |
| Worked on a paper or project that required integrating ideas or information from various sources | 1st Yr. | 2 | 24 | 39 | 35 | 3.07 | 2.90*** | 3.07 |
| | Senior | 2 | 17 | 37 | 44 | 3.24 | 3.26 | 3.29 |
| Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments | 1st Yr. | 7 | 36 | 38 | 19 | 2.69 | 2.61 | 2.79* |
| | Senior | 14 | 40 | 26 | 19 | 2.51 | 2.64*** | 2.76*** |
| Come to class without completing readings or assignments | 1st Yr. | 17 | 55 | 19 | 9 | 2.20 | 2.16 | 2.08** |
| | Senior | 14 | 51 | 23 | 12 | 2.32 | 2.28 | 2.18*** |
| Worked with other students on projects during class | 1st Yr. | 12 | 44 | 33 | 11 | 2.43 | 2.38 | 2.42 |
| | Senior | 13 | 38 | 32 | 16 | 2.52 | 2.47 | 2.53 |
| Worked with classmates outside of class to prepare class assignments | 1st Yr. | 10 | 46 | 30 | 14 | 2.48 | 2.51 | 2.45 |
| | Senior | 5 | 27 | 35 | 33 | 2.96 | 2.95 | 2.83*** |
| Put together ideas or concepts from different courses when completing assignments or during class discussions | 1st Yr. | 7 | 46 | 34 | 13 | 2.53 | 2.56 | 2.64** |
| | Senior | 4 | 29 | 41 | 26 | 2.88 | 2.95* | 2.96** |
| Tutored or taught other students (paid or voluntary) | 1st Yr. | 48 | 36 | 12 | 5 | 1.73 | 1.79 | 1.72 |
| | Senior | 38 | 37 | 14 | 11 | 1.98 | 1.89** | 1.88** |
| Participated in a community-based project (e.g. service learning) as part of a regular course | 1st Yr. | 65 | 22 | 9 | 5 | 1.53 | 1.56 | 1.54 |
| | Senior | 62 | 27 | 7 | 4 | 1.53 | 1.63*** | 1.65*** |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

| Academic and Intellectual Experiences <i>(continued)</i> <i>In your experience at this institution during the current school year, about how often have you done each of the following?</i> | Class Rank | Percent of OSU Students who gave the response... | | | | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|----------------------|------------------|-----------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = never</i> | <i>2 = sometimes</i> | <i>3 = often</i> | <i>4 = very often</i> | | | |
| Used an electronic medium (listserv, chat group, Internet, instant messaging, etc.) to discuss or complete an assignment | 1st Yr. | 18% | 32% | 24% | 27% | 2.60 | 2.69 | 2.69 |
| | Senior | 11 | 32 | 27 | 30 | 2.77 | 2.85* | 2.87** |
| Used e-mail to communicate with an instructor | 1st Yr. | 0 | 22 | 38 | 39 | 3.16 | 3.12 | 3.16 |
| | Senior | 0 | 15 | 33 | 52 | 3.36 | 3.42* | 3.41 |
| Discussed grades or assignments with an instructor | 1st Yr. | 5 | 41 | 34 | 20 | 2.68 | 2.53*** | 2.59* |
| | Senior | 3 | 39 | 31 | 27 | 2.83 | 2.79 | 2.78 |
| Talked about career plans with a faculty member or advisor | 1st Yr. | 11 | 51 | 25 | 13 | 2.39 | 2.20*** | 2.16*** |
| | Senior | 17 | 42 | 26 | 16 | 2.40 | 2.39 | 2.37 |
| Discussed ideas from your readings or classes with faculty members outside of class | 1st Yr. | 43 | 39 | 13 | 6 | 1.81 | 1.76 | 1.84 |
| | Senior | 32 | 45 | 15 | 8 | 1.99 | 2.00 | 2.06* |
| Received prompt feedback from faculty on your academic performance (written or oral) | 1st Yr. | 7 | 41 | 38 | 15 | 2.60 | 2.50* | 2.62 |
| | Senior | 7 | 39 | 40 | 15 | 2.62 | 2.68* | 2.74*** |
| Worked harder than you thought you could to meet an instructor's standards or expectations | 1st Yr. | 8 | 39 | 35 | 17 | 2.61 | 2.59 | 2.64 |
| | Senior | 9 | 39 | 37 | 16 | 2.60 | 2.62 | 2.71*** |
| Worked with faculty members on activities other than course work (committees, orientation, student life activities, etc.) | 1st Yr. | 53 | 33 | 10 | 5 | 1.68 | 1.58* | 1.60 |
| | Senior | 44 | 33 | 14 | 9 | 1.88 | 1.86 | 1.81* |
| Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.) | 1st Yr. | 8 | 38 | 36 | 18 | 2.65 | 2.72 | 2.75* |
| | Senior | 5 | 34 | 36 | 24 | 2.79 | 2.83 | 2.90*** |
| Had serious conversations with students of a different race or ethnicity than your own | 1st Yr. | 20 | 39 | 22 | 18 | 2.39 | 2.56*** | 2.62*** |
| | Senior | 14 | 37 | 28 | 20 | 2.54 | 2.67*** | 2.71*** |
| Had serious conversations with students who are very different from you in terms of their religious beliefs, political opinions, or personal values | 1st Yr. | 15 | 34 | 29 | 22 | 2.58 | 2.70* | 2.72** |
| | Senior | 9 | 37 | 31 | 23 | 2.67 | 2.79*** | 2.76** |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

| Mental Activities <i>During the current year, how much has your coursework emphasized the following mental activities?</i> | Class Rank | Percent of OSU Students who gave the response... | | | | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|-----------------|------------------------|----------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | |
| Memorizing facts, ideas, or methods from your courses and readings | 1st Yr. | 4% | 22% | 47% | 27% | 2.98 | 3.00 | 2.96 |
| | Senior | 9 | 27 | 38 | 26 | 2.81 | 2.84 | 2.79 |
| Analyzing the basic elements of an idea, experience, or theory | 1st Yr. | 1 | 19 | 43 | 36 | 3.14 | 3.14 | 3.15 |
| | Senior | 2 | 17 | 44 | 37 | 3.16 | 3.26*** | 3.28*** |
| Synthesizing and organizing ideas, information, or experiences | 1st Yr. | 4 | 29 | 42 | 26 | 2.90 | 2.89 | 2.93 |
| | Senior | 5 | 28 | 41 | 26 | 2.88 | 3.00*** | 3.06*** |
| Making judgments about the value of information, arguments, or methods | 1st Yr. | 7 | 25 | 44 | 24 | 2.84 | 2.86 | 2.91 |
| | Senior | 8 | 27 | 37 | 29 | 2.87 | 2.96** | 3.01*** |
| Applying theories or concepts to practical problems or in new situations | 1st Yr. | 3 | 21 | 39 | 37 | 3.10 | 3.10 | 3.08 |
| | Senior | 3 | 19 | 35 | 43 | 3.19 | 3.22 | 3.23 |

| Reading and Writing <i>During the current school year, about how much reading and writing have you done?</i> | Class Rank | Percent of OSU Students who gave the response... | | | | | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------|-------------------|--------------------|--------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = 0</i> | <i>2 = 1 - 4</i> | <i>3 = 5 - 10</i> | <i>4 = 11 - 20</i> | <i>5 = > 20</i> | | | |
| Number of assigned textbooks, books, or book-length packs of course readings | 1st Yr. | 2% | 27% | 45% | 17% | 9% | 3.04 | 3.15* | 3.26*** |
| | Senior | 3 | 35 | 36 | 14 | 11 | 2.94 | 3.08*** | 3.16*** |
| Number of books read on your own (not assigned) for personal enjoyment or academic enrichment | 1st Yr. | 25 | 56 | 14 | 2 | 2 | 2.00 | 2.02 | 2.06 |
| | Senior | 21 | 52 | 16 | 6 | 5 | 2.20 | 2.20 | 2.20 |
| Number of written papers or reports of 20 pages or more | 1st Yr. | 85 | 11 | 2 | 1 | 1 | 1.23 | 1.19 | 1.28 |
| | Senior | 53 | 37 | 7 | 2 | 1 | 1.61 | 1.58 | 1.64 |
| Number of written papers or reports between 5 and 19 pages | 1st Yr. | 13 | 51 | 28 | 6 | 1 | 2.31 | 2.07*** | 2.30 |
| | Senior | 11 | 52 | 26 | 8 | 3 | 2.40 | 2.45 | 2.50*** |
| Number of written papers or reports of fewer than 5 pages | 1st Yr. | 2 | 37 | 34 | 20 | 8 | 2.96 | 2.84* | 3.04 |
| | Senior | 6 | 36 | 29 | 17 | 12 | 2.94 | 2.99 | 2.97 |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

| Problem Sets <i>In a typical week, how many homework problem sets do you complete?</i> | Class Rank | Percent of OSU Students who gave the response. . . | | | | | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------|------------------|------------------|-------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = none</i> | <i>2 = 1 - 2</i> | <i>3 = 3 - 4</i> | <i>4 = 5 - 6</i> | <i>5 = > 6</i> | | | |
| Number of problem sets that take you more than an hour to complete | 1st Yr. | 7% | 34% | 33% | 11% | 15% | 2.95 | 2.71*** | 2.70*** |
| | Senior | 18 | 34 | 25 | 9 | 14 | 2.68 | 2.53*** | 2.63 |
| Number of problem sets that take you less than an hour to complete | 1st Yr. | 14 | 39 | 26 | 9 | 12 | 2.64 | 2.79* | 2.77* |
| | Senior | 30 | 36 | 18 | 8 | 9 | 2.29 | 2.29 | 2.35 |

| Examinations | Class Rank | Percent of OSU Students who gave the response... | | | | | | | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------|------------|------------|------------|------------|----------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = very much</i> | | | |
| To what extent have your exams during the current school year challenged you to do your best work? | 1st Yr. | 1% | 1% | 1% | 8% | 31% | 36% | 22% | 5.64 | 5.60 | 5.45*** |
| | Senior | 1 | 3 | 4 | 12 | 28 | 34 | 16 | 5.31 | 5.40 | 5.45** |

| Additional Collegiate Experiences <i>During the current school year, about how often have you done each of the following?</i> | Class Rank | Percent of OSU Students who gave the response. . . | | | | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|----------------------|------------------|-----------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = never</i> | <i>2 = sometimes</i> | <i>3 = often</i> | <i>4 = very often</i> | | | |
| Attended an art exhibit, gallery, play, dance, or other theatre performance | 1st Yr. | 28% | 49% | 16% | 7% | 2.02 | 2.10 | 2.18*** |
| | Senior | 34 | 46 | 14 | 5 | 1.90 | 1.99** | 2.07*** |
| Exercised or participated in physical fitness activities | 1st Yr. | 5 | 28 | 30 | 37 | 2.99 | 3.01 | 2.83*** |
| | Senior | 10 | 31 | 27 | 32 | 2.81 | 2.95*** | 2.74 |
| Participated in activities to enhance your spirituality (worship, meditation, prayer, etc.) | 1st Yr. | 26 | 31 | 19 | 25 | 2.43 | 2.27** | 2.05*** |
| | Senior | 28 | 31 | 17 | 24 | 2.37 | 2.20*** | 2.15*** |
| Examined the strengths and weaknesses of your own views on a topic or issue | 1st Yr. | 7 | 40 | 34 | 18 | 2.63 | 2.61 | 2.61 |
| | Senior | 8 | 36 | 39 | 17 | 2.66 | 2.71 | 2.71 |
| Tried to better understand someone else's views by imagining how an issue looks from his or her perspective | 1st Yr. | 6 | 33 | 37 | 24 | 2.78 | 2.74 | 2.78 |
| | Senior | 6 | 32 | 41 | 21 | 2.78 | 2.82 | 2.86** |
| Learned something that changed the way you understand an issue or concept | 1st Yr. | 2 | 35 | 40 | 23 | 2.83 | 2.82 | 2.87 |
| | Senior | 3 | 38 | 37 | 22 | 2.78 | 2.87** | 2.91*** |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

| Enriching Educational Experiences <i>Which of the following have you done or do you plan to do before you graduate from your institution?</i> | Class Rank | Percent of OSU students. . . | | | | Percent of peer group students. . . | | | | Percent of other Doctoral-Extensive students. . . | | | |
|---|-------------------|-------------------------------------|--------------------------|-------------------|-------------|--|--------------------------|-------------------|-------------|--|--------------------------|-------------------|-------------|
| | | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> |
| Practicum, internship, field experience, co-op experience, or clinical assignment | 1st Yr. | 8% | 4% | 83% | 5% | 10% | 3% | 80% | 7% | 12% | 4% | 77% | 7% |
| | Senior | 6 | 16 | 21 | 56 | 7 | 15 | 21 | 57 | 8 | 15 | 25 | 52 |
| Community service or volunteer work | 1st Yr. | 10 | 5 | 34 | 51 | 10 | 5 | 39 | 47 | 13 | 6 | 41 | 39 |
| | Senior | 7 | 17 | 15 | 62 | 8 | 14 | 12 | 67 | 10 | 16 | 16 | 59 |
| Participate in a learning community or some other formal program where groups of students take two or more classes together | 1st Yr. | 25 | 29 | 23 | 22 | 28 | 28 | 21 | 24 | 31 | 26 | 23 | 20 |
| | Senior | 14 | 53 | 8 | 25 | 11 | 54 | 6 | 29 | 15 | 50 | 9 | 26 |
| Work on a research project with a faculty member outside of course or program requirements | 1st Yr. | 35 | 23 | 36 | 5 | 37 | 23 | 35 | 6 | 38 | 22 | 35 | 5 |
| | Senior | 13 | 53 | 13 | 21 | 13 | 50 | 12 | 24 | 17 | 48 | 15 | 20 |
| Foreign language coursework | 1st Yr. | 16 | 36 | 31 | 16 | 18 | 33 | 29 | 20 | 19 | 27 | 33 | 21 |
| | Senior | 6 | 50 | 10 | 34 | 6 | 43 | 7 | 45 | 9 | 40 | 10 | 42 |
| Study abroad | 1st Yr. | 23 | 25 | 48 | 4 | 28 | 22 | 48 | 2 | 29 | 25 | 43 | 3 |
| | Senior | 13 | 65 | 9 | 13 | 10 | 64 | 8 | 18 | 14 | 61 | 10 | 16 |
| Independent study or self-designed major | 1st Yr. | 30 | 55 | 13 | 2 | 31 | 54 | 13 | 2 | 33 | 48 | 16 | 3 |
| | Senior | 9 | 58 | 8 | 25 | 10 | 68 | 7 | 16 | 13 | 60 | 10 | 17 |
| Culminating senior experience (capstone course, thesis, project, comprehensive exam, etc.) | 1st Yr. | 38 | 14 | 46 | 2 | 40 | 14 | 44 | 2 | 37 | 12 | 49 | 2 |
| | Senior | 8 | 25 | 27 | 40 | 9 | 28 | 27 | 37 | 11 | 23 | 33 | 34 |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

| Quality of Relationships <i>What best represents the quality of your relationships with people at your institution?</i> | Class Rank | Percent of OSU Students who gave the response... | | | | | | | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|------------|--|------------|------------|------------|------------|------------|---------------------------------|----------------------|-----------------------|--------------------------|
| | | <i>1 = unfriendly, unsupportive</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = friendly, supportive</i> | | | |
| Relationships with other students | 1st Yr. | 1% | 2% | 4% | 12% | 19% | 30% | 33% | 5.69 | 5.58 | 5.45*** |
| | Senior | 1 | 2 | 4 | 10 | 18 | 35 | 30 | 5.68 | 5.68 | 5.54** |
| Relationships with faculty members | 1st Yr. | <i>1 = unavailable, unhelpful</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = available, helpful</i> | 5.14 | 5.01* | 5.08 |
| | Senior | 1 | 3 | 6 | 15 | 27 | 30 | 18 | 5.27 | 5.23 | 5.29 |
| Relationships with administrative personnel and offices | 1st Yr. | <i>1 = unhelpful, inconsiderate</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = helpful, considerate</i> | 4.93 | 4.68*** | 4.61*** |
| | Senior | 2 | 4 | 8 | 22 | 27 | 22 | 15 | 4.68 | 4.52** | 4.47*** |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

| Time Usage <i>About how many hours do you spend in a typical 7-day week doing each of the following?</i> | Class Rank | Percent of OSU Students who gave the response . . . | | | | | | | | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|--|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = 0 hrs/wk</i> | <i>2 = 1 - 5 hrs/wk</i> | <i>3 = 6 - 10 hrs/wk</i> | <i>4 = 11 - 15 hrs/wk</i> | <i>5 = 16 - 20 hrs/wk</i> | <i>6 = 21 - 25 hrs/wk</i> | <i>7 = 26 - 30 hrs/wk</i> | <i>8 = > 30 hrs/wk</i> | | | |
| Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities) | 1st Yr. | 0% | 13% | 22% | 22% | 19% | 13% | 6% | 6% | 4.38 | 4.37 | 4.22* |
| | Senior | 1 | 18 | 24 | 19 | 15 | 10 | 4 | 9 | 4.22 | 4.24 | 4.25 |
| Working for pay on campus | 1st Yr. | 80 | 1 | 5 | 8 | 4 | 1 | 0 | 1 | 1.62 | 1.47* | 1.52 |
| | Senior | 66 | 4 | 6 | 6 | 9 | 3 | 1 | 4 | 2.22 | 2.05* | 1.86*** |
| Working for pay off campus | 1st Yr. | 76 | 7 | 5 | 4 | 4 | 2 | 1 | 0 | 1.68 | 1.66 | 2.15*** |
| | Senior | 50 | 7 | 4 | 6 | 9 | 7 | 3 | 13 | 3.17 | 2.82*** | 3.55*** |
| Participating in co-curricular activities (organizations, campus publications, student government, social fraternity or sorority, intercollegiate or intramural sports, etc.) | 1st Yr. | 22 | 34 | 19 | 12 | 5 | 3 | 2 | 3 | 2.77 | 2.57* | 2.32*** |
| | Senior | 38 | 31 | 14 | 7 | 5 | 2 | 1 | 3 | 2.33 | 2.42 | 2.14*** |
| Relaxing and socializing (watching TV, partying, etc.) | 1st Yr. | 1 | 27 | 28 | 20 | 13 | 4 | 2 | 4 | 3.57 | 3.91*** | 3.90*** |
| | Senior | 1 | 26 | 29 | 21 | 13 | 5 | 2 | 3 | 3.58 | 3.75** | 3.57 |
| Providing care for dependents living with you (parents, children, spouse, etc.) | 1st Yr. | 84 | 8 | 4 | 2 | 1 | 0 | 1 | 0 | 1.32 | 1.33 | 1.63*** |
| | Senior | 64 | 11 | 6 | 4 | 4 | 1 | 1 | 8 | 2.25 | 1.65*** | 2.28 |
| Commuting to class (driving, walking, etc.) | 1st Yr. | 7 | 74 | 13 | 4 | 1 | 1 | 0 | 1 | 2.27 | 2.31 | 2.35 |
| | Senior | 6 | 73 | 13 | 4 | 2 | 1 | 0 | 1 | 2.29 | 2.33 | 2.45*** |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

| Institutional Environment <i>To what extent does your institution emphasize each of the following?</i> | Class Rank | Percent of OSU Students who gave the response. . . | | | | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|-----------------|------------------------|----------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | |
| Spending significant amounts of time studying and on academic work | 1st Yr. | 1% | 16% | 50% | 33% | 3.15 | 3.19 | 3.13 |
| | Senior | 3 | 19 | 48 | 31 | 3.06 | 3.11 | 3.13* |
| Providing the support you need to help you succeed academically | 1st Yr. | 1 | 20 | 46 | 32 | 3.10 | 3.11 | 3.04 |
| | Senior | 5 | 28 | 44 | 22 | 2.83 | 2.89 | 2.87 |
| Encouraging contact among students from different economic, social, and racial or ethnic backgrounds | 1st Yr. | 12 | 30 | 36 | 21 | 2.67 | 2.73 | 2.69 |
| | Senior | 22 | 36 | 28 | 15 | 2.36 | 2.45** | 2.51*** |
| Helping you cope with your non-academic responsibilities (work, family, etc.) | 1st Yr. | 22 | 44 | 24 | 10 | 2.23 | 2.26 | 2.23 |
| | Senior | 41 | 36 | 16 | 7 | 1.89 | 1.93 | 1.96 |
| Providing the support you need to thrive socially | 1st Yr. | 14 | 34 | 39 | 12 | 2.50 | 2.58 | 2.48 |
| | Senior | 27 | 37 | 27 | 9 | 2.18 | 2.28** | 2.22 |
| Attending campus events and activities (special speakers, cultural performances, athletic events, etc.) | 1st Yr. | 5 | 20 | 45 | 30 | 3.01 | 3.03 | 2.87*** |
| | Senior | 10 | 32 | 37 | 21 | 2.69 | 2.83*** | 2.68 |
| Using computers in academic work | 1st Yr. | 2 | 11 | 40 | 48 | 3.34 | 3.41 | 3.35 |
| | Senior | 1 | 8 | 31 | 59 | 3.49 | 3.51 | 3.48 |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

| Educational and Personal Growth <i>To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?</i> | Class Rank | Percent of OSU Students who gave the response. . . | | | | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|-----------------|------------------------|----------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | |
| Acquiring a broad general education | 1st Yr. | 2% | 16% | 48% | 34% | 3.14 | 3.20 | 3.15 |
| | Senior | 3 | 19 | 40 | 38 | 3.13 | 3.22** | 3.23*** |
| Acquiring job or work-related knowledge and skills | 1st Yr. | 6 | 25 | 39 | 31 | 2.95 | 2.87 | 2.82** |
| | Senior | 6 | 20 | 38 | 37 | 3.05 | 3.04 | 3.06 |
| Writing clearly and effectively | 1st Yr. | 5 | 25 | 42 | 28 | 2.93 | 2.87 | 2.97 |
| | Senior | 6 | 24 | 40 | 30 | 2.95 | 3.01* | 3.06*** |
| Speaking clearly and effectively | 1st Yr. | 11 | 28 | 39 | 22 | 2.73 | 2.71 | 2.78 |
| | Senior | 8 | 28 | 37 | 28 | 2.85 | 2.91* | 2.95** |
| Thinking critically and analytically | 1st Yr. | 3 | 14 | 41 | 42 | 3.22 | 3.21 | 3.22 |
| | Senior | 2 | 14 | 38 | 45 | 3.26 | 3.34** | 3.35** |
| Analyzing quantitative problems | 1st Yr. | 6 | 19 | 43 | 33 | 3.02 | 3.06 | 2.97 |
| | Senior | 4 | 20 | 36 | 40 | 3.11 | 3.10 | 3.09 |
| Using computing and information technology | 1st Yr. | 4 | 21 | 42 | 33 | 3.04 | 3.12* | 3.05 |
| | Senior | 4 | 17 | 34 | 45 | 3.20 | 3.23 | 3.21 |
| Working effectively with others | 1st Yr. | 4 | 26 | 40 | 30 | 2.97 | 3.00 | 2.97 |
| | Senior | 3 | 20 | 37 | 39 | 3.13 | 3.16 | 3.14 |
| Voting in local, state, or national elections | 1st Yr. | 19 | 34 | 26 | 21 | 2.49 | 2.65** | 2.59 |
| | Senior | 34 | 34 | 20 | 12 | 2.09 | 2.35*** | 2.30*** |
| Learning effectively on your own | 1st Yr. | 5 | 26 | 40 | 30 | 2.95 | 3.03 | 2.98 |
| | Senior | 6 | 24 | 41 | 30 | 2.95 | 3.03** | 3.03** |
| Understanding yourself | 1st Yr. | 12 | 27 | 37 | 25 | 2.75 | 2.79 | 2.79 |
| | Senior | 16 | 26 | 34 | 24 | 2.67 | 2.77** | 2.77** |
| Understanding people of other racial and ethnic backgrounds | 1st Yr. | 10 | 36 | 35 | 19 | 2.62 | 2.63 | 2.68 |
| | Senior | 17 | 36 | 31 | 16 | 2.46 | 2.54* | 2.63*** |
| Solving complex real-world problems | 1st Yr. | 8 | 37 | 35 | 20 | 2.67 | 2.76 | 2.71 |
| | Senior | 11 | 30 | 36 | 23 | 2.71 | 2.83*** | 2.81** |
| Developing a personal code of values and ethics | 1st Yr. | 13 | 33 | 32 | 22 | 2.64 | 2.71 | 2.70 |
| | Senior | 21 | 30 | 28 | 22 | 2.51 | 2.65*** | 2.70*** |
| Contributing to the welfare of your community | 1st Yr. | 14 | 35 | 30 | 20 | 2.56 | 2.56 | 2.48 |
| | Senior | 23 | 35 | 29 | 13 | 2.31 | 2.47*** | 2.47*** |
| Developing a deepened sense of spirituality | 1st Yr. | 34 | 29 | 21 | 16 | 2.20 | 2.16 | 2.11 |
| | Senior | 54 | 24 | 14 | 8 | 1.77 | 1.86** | 1.91*** |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

| Academic Advising | Class Rank | Percent of OSU Students who gave the response... | | | | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|-----------------|-----------------|----------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = poor</i> | <i>2 = fair</i> | <i>3 = good</i> | <i>4 = excellent</i> | | | |
| Overall, how would you evaluate the quality of academic advising you have received at your institution? | 1st Yr. | 3% | 12% | 47% | 38% | 3.20 | 3.12* | 2.98*** |
| | Senior | 9 | 18 | 41 | 32 | 2.95 | 2.84** | 2.79*** |

| Satisfaction | Class Rank | Percent of OSU Students who gave the response. . . | | | | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|-----------------|-----------------|----------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = poor</i> | <i>2 = fair</i> | <i>3 = good</i> | <i>4 = excellent</i> | | | |
| How would you evaluate your entire educational experience at this institution? | 1st Yr. | 1% | 5% | 55% | 39% | 3.31 | 3.30 | 3.20** |
| | Senior | 2 | 12 | 49 | 37 | 3.21 | 3.25 | 3.19 |

| | Class Rank | <i>1 = definitely no</i> | <i>2 = probably no</i> | <i>3 = probably yes</i> | <i>4 = definitely yes</i> | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------------|-------------------------|---------------------------|-----------------------------|------------------------------|---------------------------------|
| | | If you could start over again, would you go to the <i>same institution</i> you are now attending? | 1st Yr. | 2% | 8% | | | |
| | Senior | 4 | 11 | 33 | 51 | 3.31 | 3.30 | 3.18*** |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

Average Responses to NSSE Survey Items by Year

Mean responses on each NSSE survey item in 2002, 2005, and 2009. Survey items with larger mean differences than would be expected by chance alone are noted with one, two, or three asterisks (*), referring to three significance levels (0.05, 0.01, and 0.001).

| <u>2002 Means</u> | | <u>2005 Means</u> | | <u>2009 Means</u> | | |
|-------------------|----------|-------------------|----------|-------------------|----------|----------|
| OSU | Doc-Ext. | OSU | Doc-Ext. | OSU | Peer | Doc-Ext |
| n=622 | n=15,548 | n=1,639 | n=13,252 | n=1,414 | n=18,620 | n=53,907 |

Academic and Intellectual Experiences

In your experience at your institution during the current school year, about how often have you done each of the following?

1=never, 2=sometimes, 3=often, 4=very often

| | | | | | | | | |
|---|----------|------|--------|------|---------|------|---------|---------|
| Asked questions in class or contributed to class discussions | 1st Year | 2.59 | 2.58 | 2.49 | 2.62*** | 2.70 | 2.56*** | 2.75 |
| | Senior | 2.78 | 2.89* | 2.85 | 2.91 | 2.87 | 2.92 | 3.04*** |
| Made a class presentation | 1st Year | 1.85 | 1.95* | 1.89 | 2.03*** | 2.04 | 1.99 | 2.18*** |
| | Senior | 2.61 | 2.63 | 2.69 | 2.63 | 2.66 | 2.67 | 2.73* |
| Prepared two or more drafts of a paper or assignment before turning it in | 1st Year | 2.70 | 2.61 | 2.71 | 2.53*** | 2.62 | 2.40*** | 2.62 |
| | Senior | 2.40 | 2.39 | 2.49 | 2.36*** | 2.39 | 2.34 | 2.44 |
| Worked on a paper or project that required integrating ideas or information from various sources | 1st Year | 2.99 | 2.92 | 3.01 | 2.95* | 3.07 | 2.90*** | 3.07 |
| | Senior | 3.11 | 3.24* | 3.20 | 3.23 | 3.24 | 3.26 | 3.29 |
| Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments. | 1st Year | 2.71 | 2.66 | 2.67 | 2.72 | 2.69 | 2.61 | 2.79* |
| | Senior | 2.45 | 2.61** | 2.53 | 2.68*** | 2.51 | 2.64*** | 2.76*** |
| Came to class without completing readings or assignments | 1st Year | 2.15 | 2.19 | 2.20 | 2.16 | 2.20 | 2.16 | 2.08** |
| | Senior | 2.36 | 2.25* | 2.28 | 2.24 | 2.32 | 2.28 | 2.18*** |
| Worked with other students on projects during class | 1st Year | 2.33 | 2.27 | 2.36 | 2.32 | 2.43 | 2.38 | 2.42 |
| | Senior | 2.33 | 2.38 | 2.58 | 2.43*** | 2.52 | 2.47 | 2.53 |
| Worked with classmates outside of class to prepare class assignments | 1st Year | 2.40 | 2.32 | 2.31 | 2.33 | 2.48 | 2.51 | 2.45 |
| | Senior | 2.86 | 2.78 | 2.93 | 2.78*** | 2.96 | 2.95 | 2.83*** |
| Put together ideas or concepts from different courses when completing assignments or during class discussions | 1st Year | 2.35 | 2.43 | 2.44 | 2.53*** | 2.54 | 2.56 | 2.64** |
| | Senior | 2.76 | 2.83 | 2.93 | 2.90 | 2.88 | 2.95* | 2.96** |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

| <u>2002 Means</u> | | <u>2005 Means</u> | | <u>2009 Means</u> | | |
|-------------------|----------------------|-------------------|----------------------|-------------------|------------------|---------------------|
| OSU n=622 | Doc-Ext. n=15,548 | OSU n=1,639 | Doc-Ext. n=13,252 | OSU n=1,414 | Peer n=18,620 | Doc-Ext n=53,907 |

Academic and Intellectual Experiences (cont'd)

1=never, 2=sometimes, 3=often, 4=very often

| | | | | | | | | |
|---|----------|---------|------|------|---------|------|---------|---------|
| Tutored or taught other students (paid or voluntary) | 1st Year | 1.79** | 1.66 | 1.64 | 1.74** | 1.73 | 1.79 | 1.72 |
| | Senior | 1.85 | 1.79 | 2.02 | 1.88*** | 1.98 | 1.89** | 1.88** |
| Participated in a community-based project as a part of a regular course | 1st Year | 1.42 | 1.34 | 1.40 | 1.46* | 1.53 | 1.56 | 1.54 |
| | Senior | 1.39* | 1.49 | 1.63 | 1.60 | 1.53 | 1.63*** | 1.65*** |
| Used an electronic medium (list-serv, chat group, Internet, etc.) to discuss or complete an assignment | 1st Year | 2.34*** | 2.66 | 2.46 | 2.70*** | 2.60 | 2.69 | 2.69 |
| | Senior | 2.57*** | 2.82 | 2.63 | 2.83*** | 2.76 | 2.85* | 2.87** |
| Used email to communicate with an instructor | 1st Year | 2.78*** | 2.99 | 2.98 | 3.05* | 3.16 | 3.12 | 3.16 |
| | Senior | 2.85*** | 3.21 | 3.14 | 3.33*** | 3.36 | 3.42* | 3.41 |
| Discussed grades or assignments with an instructor | 1st Year | 2.64* | 2.53 | 2.58 | 2.50** | 2.68 | 2.53*** | 2.59* |
| | Senior | 2.73 | 2.74 | 2.78 | 2.75 | 2.83 | 2.79 | 2.78 |
| Talked about career plans with a faculty member or advisor | 1st Year | 2.17 | 2.09 | 2.20 | 2.04*** | 2.39 | 2.20*** | 2.16*** |
| | Senior | 2.32 | 2.31 | 2.38 | 2.35 | 2.40 | 2.39 | 2.37 |
| Discussed ideas from your reading or classes with faculty members outside of class | 1st Year | 1.77 | 1.69 | 1.68 | 1.72 | 1.81 | 1.76 | 1.84 |
| | Senior | 1.88 | 1.96 | 1.94 | 1.99 | 1.99 | 2.00 | 2.06* |
| Received prompt feedback from faculty on your academic performance (written or oral) | 1st Year | 2.48 | 2.52 | 2.62 | 2.66 | 2.60 | 2.50* | 2.62 |
| | Senior | 2.44*** | 2.67 | 2.69 | 2.82*** | 2.62 | 2.68* | 2.74*** |
| Worked harder than you thought you could to meet an instructor's standards or expectations. | 1st Year | 2.58 | 2.51 | 2.53 | 2.52 | 2.61 | 2.59 | 2.64 |
| | Senior | 2.52 | 2.58 | 2.64 | 2.65 | 2.60 | 2.62 | 2.71*** |
| Worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.) | 1st Year | 1.64*** | 1.39 | 1.49 | 1.48 | 1.68 | 1.58* | 1.60 |
| | Senior | 1.83** | 1.68 | 1.87 | 1.75*** | 1.88 | 1.86 | 1.81* |
| Discussed ideas from your readings or classes with others outside of class (students, family members, coworkers, etc.) | 1st Year | 2.70 | 2.71 | 2.63 | 2.69 | 2.65 | 2.72 | 2.75* |
| | Senior | 2.72* | 2.83 | 2.80 | 2.83 | 2.79 | 2.83 | 2.90*** |
| Had serious conversations with students of a different race or ethnicity than your own | 1st Year | 2.40*** | 2.62 | 2.44 | 2.66*** | 2.39 | 2.56*** | 2.62*** |
| | Senior | 2.40*** | 2.64 | 2.63 | 2.71* | 2.54 | 2.67*** | 2.71*** |
| Had serious conversations with students who differ from you in terms of their religious beliefs, political opinions, or personal values | 1st Year | 2.61* | 2.73 | 2.72 | 2.81* | 2.58 | 2.70* | 2.72** |
| | Senior | 2.57 | 2.67 | 2.78 | 2.77 | 2.67 | 2.79*** | 2.76** |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

| <u>2002 Means</u> | | <u>2005 Means</u> | | <u>2009 Means</u> | | |
|-------------------|----------------------|-------------------|----------------------|-------------------|------------------|---------------------|
| OSU n=622 | Doc-Ext. n=15,548 | OSU n=1,639 | Doc-Ext. n=13,252 | OSU n=1,414 | Peer n=18,620 | Doc-Ext n=53,907 |

Mental Activities

During the current school year, how much has your coursework emphasized the following?

1=very little, 2=some, 3=quite a bit, 4=very much

| | | | | | | | | |
|---|----------|--------|------|------|---------|------|---------|---------|
| Memorizing facts, ideas, or methods from your courses and readings so you can repeat them in pretty much the same form | 1st Year | 3.03 | 3.05 | 2.93 | 2.91 | 2.98 | 3.00 | 2.96 |
| | Senior | 2.88 | 2.81 | 2.86 | 2.77** | 2.81 | 2.84 | 2.79 |
| Analyzing the basic elements of an idea, experience, or theory such as examining a particular case or situation in depth and considering its components | 1st Year | 3.16 | 3.10 | 2.94 | 3.07*** | 3.14 | 3.14 | 3.15 |
| | Senior | 3.14* | 3.25 | 3.14 | 3.22** | 3.16 | 3.26*** | 3.28*** |
| Synthesizing and organizing ideas, information, or experiences into new, more complex interpretations and relationships | 1st Year | 2.77 | 2.78 | 2.65 | 2.82*** | 2.90 | 2.89 | 2.93 |
| | Senior | 2.82** | 2.99 | 2.85 | 2.99*** | 2.88 | 3.00*** | 3.06*** |
| Making judgments about the value of information, arguments, or methods such as examining how others gathered and interpreted data and assessing the soundness of their conclusions | 1st Year | 2.69 | 2.70 | 2.64 | 2.76*** | 2.84 | 2.86 | 2.91 |
| | Senior | 2.72* | 2.86 | 2.79 | 2.90*** | 2.87 | 2.96** | 3.01*** |
| Applying theories or concepts to practical problems or in new situations | 1st Year | 3.00 | 2.99 | 2.92 | 2.98 | 3.10 | 3.10 | 3.08 |
| | Senior | 3.07 | 3.14 | 3.10 | 3.15 | 3.19 | 3.22 | 3.23 |

Reading and Writing

During the current school year, about how much reading and writing have you done?

1=none, 2= between 1 and 4, 3=between 5 and 10, 4=between 11 and 20, 5=more than 20

| | | | | | | | | |
|---|----------|---------|------|------|---------|------|---------|---------|
| Number of assigned textbooks, books, or book-length packs of course readings | 1st Year | 3.26** | 3.44 | 3.08 | 3.31*** | 3.04 | 3.15* | 3.26*** |
| | Senior | 2.98*** | 3.28 | 2.88 | 3.21*** | 2.94 | 3.08*** | 3.16*** |
| Number of books read on your own (not assigned) for personal enjoyment or academic enrichment | 1st Year | 1.99 | 1.97 | 2.01 | 2.05 | 2.00 | 2.02 | 2.06 |
| | Senior | 2.14 | 2.21 | 2.26 | 2.24 | 2.20 | 2.20 | 2.20 |
| Number of written papers or reports of 20 pages or more | 1st Year | 1.16 | 1.18 | 1.22 | 1.20 | 1.23 | 1.19 | 1.28 |
| | Senior | 1.66 | 1.61 | 1.58 | 1.61 | 1.61 | 1.58 | 1.64 |
| Number of written papers or reports between 5 and 19 pages | 1st Year | 2.35 | 2.37 | 2.25 | 2.32 | 2.31 | 2.07*** | 2.30 |
| | Senior | 2.37*** | 2.60 | 2.36 | 2.59*** | 2.40 | 2.45 | 2.50*** |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

| <u>2002 Means</u> | | <u>2005 Means</u> | | <u>2009 Means</u> | | |
|-------------------|----------------------|-------------------|----------------------|-------------------|------------------|---------------------|
| OSU n=622 | Doc-Ext. n=15,548 | OSU n=1,639 | Doc-Ext. n=13,252 | OSU n=1,414 | Peer n=18,620 | Doc-Ext n=53,907 |

Reading and Writing (cont'd)

1=none, 2= between 1 and 4, 3=between 5 and 10, 4=between 11 and 20, 5=more than 20

| Number of written papers or reports of fewer than 5 pages | 1st Year | 3.03** | 3.20 | 2.91 | 3.07*** | 2.96 | 2.84* | 3.04 |
|--|----------|---------|------|------|---------|------|-------|------|
| | Senior | 2.76*** | 3.09 | 2.96 | 3.08** | 2.94 | 2.99 | 2.97 |

Problem Sets (new for 2005 and 2009)

In a typical week, how many homework problem sets do you complete?

1=none, 2=1-2, 3=3-4, 4=5-6, 5=more than 6 (per typical week)

| Number of problem sets that take you more than an hour to complete | 1st Year | - | - | 2.61 | 2.56 | 2.95 | 2.71*** | 2.70*** |
|--|----------|---|---|------|---------|------|---------|---------|
| | Senior | - | - | 2.70 | 2.51*** | 2.68 | 2.53*** | 2.63 |
| Number of problem sets that take you less than an hour to complete | 1st Year | - | - | 2.73 | 2.65 | 2.64 | 2.79* | 2.77* |
| | Senior | - | - | 2.43 | 2.24*** | 2.29 | 2.29 | 2.35 |

Examinations

1=very little to 7=very much

| To what extent have your exams during the current school year challenged you to do your best work? | 1st Year | 5.69 | 5.59 | 5.49 | 5.48 | 5.64 | 5.60 | 5.45*** |
|--|----------|------|------|------|------|------|------|---------|
| | Senior | 5.27 | 5.40 | 5.31 | 5.36 | 5.31 | 5.40 | 5.45** |

Additional Collegiate Experiences (new for 2005 and 2009)

During the current school year, about how often have you done each of the following?

1=never, 2=sometimes, 3=often, 4=very often

| Attended an art exhibit, gallery, play, dance, or other theatre performance | 1st Year | - | - | 1.99 | 2.08** | 2.02 | 2.10 | 2.18*** |
|---|----------|---|---|------|---------|------|---------|---------|
| | Senior | - | - | 1.88 | 2.03*** | 1.90 | 1.99** | 2.07*** |
| Exercised or participated in physical fitness activities | 1st Year | - | - | 2.98 | 2.88** | 2.99 | 3.01 | 2.83*** |
| | Senior | - | - | 2.71 | 2.80* | 2.81 | 2.95*** | 2.74 |
| Participated in activities to enhance your spirituality (worship, meditation, prayer, etc.) | 1st Year | - | - | 2.38 | 2.17*** | 2.43 | 2.27** | 2.05*** |
| | Senior | - | - | 2.34 | 2.20*** | 2.37 | 2.20*** | 2.15*** |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

| <u>2002 Means</u> | | <u>2005 Means</u> | | <u>2009 Means</u> | | |
|-------------------|----------------------|-------------------|----------------------|-------------------|------------------|---------------------|
| OSU n=622 | Doc-Ext. n=15,548 | OSU n=1,639 | Doc-Ext. n=13,252 | OSU n=1,414 | Peer n=18,620 | Doc-Ext n=53,907 |

Additional Collegiate Experiences (cont'd)

1=never, 2=sometimes, 3=often, 4=very often

| | | | | | | | | |
|---|----------|---|---|------|-------|------|---------|---------|
| Examined the strengths and weaknesses of your own views on a topic or issue | 1st Year | - | - | 2.59 | 2.61 | 2.63 | 2.61 | 2.61 |
| | Senior | - | - | 2.68 | 2.70 | 2.66 | 2.71 | 2.71 |
| Tried to better understand someone else's views by imagining how an issue looks from his or her perspective | 1st Year | - | - | 2.75 | 2.76 | 2.78 | 2.78 | 2.78 |
| | Senior | - | - | 2.83 | 2.84 | 2.78 | 2.86** | 2.86** |
| Learned something that changed the way you understand an issue or concept | 1st Year | - | - | 2.71 | 2.79* | 2.83 | 2.87 | 2.87 |
| | Senior | - | - | 2.81 | 2.85 | 2.78 | 2.91*** | 2.91*** |

Enriching Educational Experiences

Which of the following have you done or do you plan to do before you graduate from your institution?

(Recoded for 2005: 0=have not decided, do not plan to do, plan to do; 1=done. Thus, the mean is the proportion responding "done" among all valid respondents.)

% of students responding 'yes'

| | | | | | | | | |
|---|----------|----|----|-----|--------|-----|--------|--------|
| Practicum, internship, field experience, co-op experience, or clinical assignment | 1st Year | -- | -- | 8% | 7% | 5% | 7% | 7% |
| | Senior | -- | -- | 45% | 54%*** | 57% | 57% | 52%* |
| Community service or volunteer work | 1st Year | -- | -- | 43% | 41% | 51% | 47% | 39%*** |
| | Senior | -- | -- | 61% | 62% | 62% | 67%** | 59% |
| Participate in a learning community or some other formal program where groups of students take two or more classes together | 1st Year | -- | -- | 10% | 18%*** | 23% | 24% | 20% |
| | Senior | -- | -- | 25% | 25% | 26% | 29%* | 26% |
| Work on a research project with a faculty member outside of course or program requirements | 1st Year | -- | -- | 5% | 4% | 6% | 6% | 5% |
| | Senior | -- | -- | 20% | 22% | 21% | 24% | 20% |
| Foreign language coursework | 1st Year | -- | -- | 14% | 25%*** | 17% | 20%* | 21%** |
| | Senior | -- | -- | 39% | 49%*** | 36% | 45%*** | 42%*** |
| Study abroad | 1st Year | -- | -- | 3% | 2%* | 4% | 2%* | 3% |
| | Senior | -- | -- | 12% | 17%*** | 13% | 18%*** | 16%* |
| Independent study or self-designed major | 1st Year | -- | -- | 3% | 2% | 2% | 2% | 3% |
| | Senior | -- | -- | 23% | 18%** | 25% | 16%*** | 17%*** |
| Culminating senior experience (capstone course, thesis, project, comprehensive exam, etc.) | 1st Year | -- | -- | 1% | 1% | 2% | 2% | 2% |
| | Senior | -- | -- | 30% | 27% | 40% | 37%* | 34%*** |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

| <u>2002 Means</u> | | <u>2005 Means</u> | | <u>2009 Means</u> | | |
|-------------------|----------------------|-------------------|----------------------|-------------------|------------------|---------------------|
| OSU n=622 | Doc-Ext. n=15,548 | OSU n=1,639 | Doc-Ext. n=13,252 | OSU n=1,414 | Peer n=18,620 | Doc-Ext n=53,907 |

Quality of Relationships

1=unfriendly, unresponsive, sense of alienation to 7=friendly, supportive, sense of belonging

| | 1st Year | 5.85* | 5.69 | 5.61 | 5.46** | 5.69 | 5.58 | 5.45*** |
|-----------------------------------|----------|-------|------|------|---------|------|------|---------|
| | Senior | 5.74 | 5.65 | 5.74 | 5.50*** | 5.68 | 5.68 | 5.54** |
| Relationships with other students | | | | | | | | |

1=unavailable, unhelpful, unsympathetic to 7=available, helpful, sympathetic

| | 1st Year | 5.26* | 5.11 | 4.98 | 4.96 | 5.14 | 5.01* | 5.08 |
|------------------------------------|----------|-------|------|------|------|------|-------|------|
| | Senior | 5.27 | 5.24 | 5.28 | 5.21 | 5.27 | 5.23 | 5.29 |
| Relationships with faculty members | | | | | | | | |

1=unhelpful, inconsiderate, rigid to 7=helpful, considerate, flexible

| | 1st Year | 5.08*** | 4.68 | 4.68 | 4.43*** | 4.93 | 4.68*** | 4.61*** |
|---|----------|---------|------|------|---------|------|---------|---------|
| | Senior | 4.67** | 4.35 | 4.60 | 4.31*** | 4.68 | 4.52** | 4.47*** |
| Relationships with administrative personnel and offices | | | | | | | | |

Time Usage (Different scale used in 2002)

About how many hours do you spend in a typical 7-day week doing each of the following?

1=0 hrs/wk, 2=1-5 hrs/wk, 3=6-10 hrs/wk, 4=11-15 hrs/wk, 5=16-20 hrs/wk, 6=21-25 hrs/wk, 7=26-30 hrs/wk, 8=more than 30 hrs/wk

| | | | | | | | | |
|---|----------|----|----|------|---------|------|---------|---------|
| Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities) | 1st Year | -- | -- | 3.82 | 4.13*** | 4.38 | 4.37 | 4.22* |
| | Senior | -- | -- | 4.01 | 4.19** | 4.22 | 4.24 | 4.25 |
| Working for pay on campus | 1st Year | -- | -- | 1.45 | 1.53 | 1.62 | 1.47* | 1.52 |
| | Senior | -- | -- | 2.04 | 1.96 | 2.22 | 2.05* | 1.86*** |
| Working for pay off campus | 1st Year | -- | -- | 1.97 | 1.89 | 1.68 | 1.66 | 2.15*** |
| | Senior | -- | -- | 3.37 | 3.19 | 3.17 | 2.82*** | 3.55*** |
| Participating in co-curricular activities (organizations, campus publications, student government, social fraternity or sorority, intercollegiate or intramural sports, etc.) | 1st Year | -- | -- | 2.48 | 2.28** | 2.77 | 2.57* | 2.32*** |
| | Senior | -- | -- | 2.10 | 2.14 | 2.33 | 2.42 | 2.14*** |
| Relaxing and socializing (watching TV, partying, etc.) | 1st Year | -- | -- | 3.78 | 3.83 | 3.57 | 3.91*** | 3.90*** |
| | Senior | -- | -- | 3.40 | 3.52* | 3.58 | 3.75** | 3.57 |
| Providing care for dependents living with you (parents, children, spouse, etc.) | 1st Year | -- | -- | 1.26 | 1.36** | 1.32 | 1.33 | 1.63*** |
| | Senior | -- | -- | 2.02 | 1.89 | 2.25 | 1.65*** | 2.28 |
| Commuting to class (driving, walking, etc.) | 1st Year | -- | -- | 2.16 | 2.27*** | 2.28 | 2.31 | 2.35 |
| | Senior | -- | -- | 2.29 | 2.39** | 2.29 | 2.33 | 2.45*** |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

| <u>2002 Means</u> | | <u>2005 Means</u> | | <u>2009 Means</u> | | |
|-------------------|----------------------|-------------------|----------------------|-------------------|------------------|---------------------|
| OSU n=622 | Doc-Ext. n=15,548 | OSU n=1,639 | Doc-Ext. n=13,252 | OSU n=1,414 | Peer n=18,620 | Doc-Ext n=53,907 |

Institutional Environment

To what extent does your institution emphasize each of the following?

1=very little, 2= some, 3=quite a bit, 4=very much

| | | | | | | | | |
|---|----------|---------|------|------|--------|------|---------|---------|
| Spending significant amounts of time studying and on academic work | 1st Year | 3.20** | 3.07 | 3.12 | 3.09 | 3.15 | 3.19 | 3.13 |
| | Senior | 3.02 | 3.02 | 3.05 | 3.09 | 3.06 | 3.11 | 3.13* |
| Providing the support you need to help you succeed academically | 1st Year | 2.99* | 2.88 | 2.95 | 2.94 | 3.10 | 3.11 | 3.04 |
| | Senior | 2.67 | 2.65 | 2.79 | 2.75 | 2.83 | 2.89 | 2.87 |
| Encouraging contact among students from different economic, social, and racial or ethnic backgrounds | 1st Year | 2.46 | 2.51 | 2.43 | 2.54** | 2.67 | 2.73 | 2.69 |
| | Senior | 2.24 | 2.28 | 2.29 | 2.31 | 2.36 | 2.45** | 2.51*** |
| Helping you cope with your non-academic responsibilities (work, family, etc.) | 1st Year | 2.01 | 1.98 | 2.00 | 2.03 | 2.23 | 2.26 | 2.23 |
| | Senior | 1.83 | 1.77 | 1.83 | 1.82 | 1.89 | 1.93 | 1.96 |
| Providing the support you need to thrive socially | 1st Year | 2.39 | 2.31 | 2.33 | 2.35 | 2.50 | 2.58 | 2.48 |
| | Senior | 2.05 | 2.05 | 2.17 | 2.10 | 2.18 | 2.28** | 2.22 |
| Attending campus events and activities (special speakers, cultural performances, athletic events, etc.) | 1st Year | 2.97*** | 2.77 | 2.87 | 2.80 | 3.01 | 3.03 | 2.87*** |
| | Senior | 2.56 | 2.50 | 2.62 | 2.59 | 2.69 | 2.83*** | 2.68 |
| Using computers in academic work | 1st Year | - | - | 3.35 | 3.37 | 3.34 | 3.41 | 3.35 |
| | Senior | - | - | 3.47 | 3.50 | 3.49 | 3.51 | 3.48 |

Educational and Personal Growth

To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?

1=very little, 2= some, 3=quite a bit, 4=very much

| | | | | | | | | |
|--|----------|-------|------|------|-------|------|--------|---------|
| Acquiring a broad general education | 1st Year | 3.07 | 3.07 | 3.12 | 3.14 | 3.14 | 3.20 | 3.15 |
| | Senior | 3.14 | 3.17 | 3.20 | 3.22 | 3.13 | 3.22** | 3.23*** |
| Acquiring job or work-related knowledge and skills | 1st Year | 2.53 | 2.47 | 2.71 | 2.64 | 2.95 | 2.87 | 2.82** |
| | Senior | 2.95 | 2.94 | 3.02 | 2.94* | 3.05 | 3.04 | 3.06 |
| Writing clearly and effectively | 1st Year | 2.68 | 2.73 | 2.78 | 2.83 | 2.93 | 2.87 | 2.97 |
| | Senior | 2.82* | 2.94 | 2.93 | 2.97 | 2.95 | 3.01* | 3.06*** |
| Speaking clearly and effectively | 1st Year | 2.34 | 2.40 | 2.57 | 2.57 | 2.73 | 2.71 | 2.78 |
| | Senior | 2.78 | 2.80 | 2.85 | 2.84 | 2.85 | 2.91* | 2.95** |
| Thinking critically and analytically | 1st Year | 3.10 | 3.07 | 3.09 | 3.12 | 3.22 | 3.21 | 3.22 |
| | Senior | 3.26 | 3.28 | 3.28 | 3.28 | 3.26 | 3.34** | 3.35** |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

| <u>2002 Means</u> | | <u>2005 Means</u> | | <u>2009 Means</u> | | |
|-------------------|----------------------|-------------------|----------------------|-------------------|------------------|---------------------|
| OSU n=622 | Doc-Ext. n=15,548 | OSU n=1,639 | Doc-Ext. n=13,252 | OSU n=1,414 | Peer n=18,620 | Doc-Ext n=53,907 |

Educational and Personal Growth (continued)

1=very little, 2= some, 3=quite a bit, 4=very much

| | | | | | | | | |
|---|----------|---------|------|------|--------|------|---------|---------|
| Analyzing quantitative problems | 1st Year | 2.67 | 2.66 | 2.89 | 2.85 | 3.02 | 3.06 | 2.97 |
| | Senior | 2.97 | 2.91 | 3.07 | 3.00* | 3.11 | 3.10 | 3.09 |
| Using computing and information technology | 1st Year | 2.62 | 2.71 | 3.02 | 2.99 | 3.04 | 3.12* | 3.05 |
| | Senior | 3.10 | 3.04 | 3.24 | 3.19 | 3.20 | 3.23 | 3.21 |
| Working effectively with others | 1st Year | 2.80 | 2.70 | 2.87 | 2.83 | 2.97 | 3.00 | 2.97 |
| | Senior | 3.06 | 3.08 | 3.12 | 3.06 | 3.13 | 3.16 | 3.14 |
| Voting in local, state, or national elections | 1st Year | 1.62* | 1.52 | 2.62 | 2.54 | 2.49 | 2.65** | 2.59 |
| | Senior | 1.69 | 1.70 | 2.19 | 2.28* | 2.09 | 2.35*** | 2.30*** |
| Learning effectively on your own | 1st Year | 3.02 | 3.00 | 2.87 | 2.93 | 2.95 | 3.03 | 2.98 |
| | Senior | 3.06 | 3.09 | 2.94 | 2.99 | 2.95 | 3.03** | 3.03** |
| Understanding yourself | 1st Year | 2.79 | 2.85 | 2.68 | 2.72 | 2.75 | 2.79 | 2.79 |
| | Senior | 2.74*** | 2.95 | 2.73 | 2.76 | 2.67 | 2.77** | 2.77** |
| Understanding people of other racial and ethnic backgrounds | 1st Year | 2.59 | 2.62 | 2.44 | 2.57** | 2.62 | 2.63 | 2.68 |
| | Senior | 2.54 | 2.65 | 2.46 | 2.55* | 2.46 | 2.54* | 2.63*** |
| Solving complex real-world problems | 1st Year | 2.42 | 2.46 | 2.53 | 2.55 | 2.67 | 2.76 | 2.71 |
| | Senior | 2.67 | 2.69 | 2.71 | 2.68 | 2.71 | 2.83*** | 2.81** |
| Developing a personal code of values and ethics | 1st Year | 2.41** | 2.61 | 2.44 | 2.58** | 2.62 | 2.71 | 2.70 |
| | Senior | 2.48** | 2.65 | 2.50 | 2.60* | 2.51 | 2.65*** | 2.70*** |
| Contributing to the welfare of your community | 1st Year | 2.09 | 2.11 | 2.28 | 2.37* | 2.56 | 2.56 | 2.48 |
| | Senior | 2.15 | 2.25 | 2.27 | 2.36* | 2.31 | 2.47*** | 2.47*** |
| Developing a deepened sense of spirituality | 1st Year | - | - | 2.00 | 2.06 | 2.20 | 2.16 | 2.11 |
| | Senior | - | - | 1.81 | 1.88 | 1.77 | 1.86** | 1.91*** |

Academic Advising

1=poor, 2=fair, 3=good, 4=excellent

| | | | | | | | | |
|---|----------|---------|------|------|---------|------|--------|---------|
| Overall, how would you evaluate the quality of academic advising you have received at your institution? | 1st Year | 3.00*** | 2.80 | 3.08 | 2.88*** | 3.20 | 3.12* | 2.98*** |
| | Senior | 2.80** | 2.64 | 2.84 | 2.70*** | 2.95 | 2.84** | 2.79*** |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

| <u>2002 Means</u> | | <u>2005 Means</u> | | <u>2009 Means</u> | | |
|-------------------|----------|-------------------|----------|-------------------|----------|----------|
| OSU | Doc-Ext. | OSU | Doc-Ext. | OSU | Peer | Doc-Ext |
| n=622 | n=15,548 | n=1,639 | n=13,252 | n=1,414 | n=18,620 | n=53,907 |

Satisfaction

1=poor, 2=fair, 3=good, 4=excellent

| How would you evaluate your entire educational experience at this institution? | 1st Year | 3.28** | 3.17 | 3.22 | 3.18 | 3.31 | 3.30 | 3.20** |
|--|----------|--------|------|------|--------|------|------|--------|
| | Senior | 3.14 | 3.16 | 3.24 | 3.17** | 3.21 | 3.25 | 3.19 |

1=definitely no, 2=probably no, 3=probably yes, 4=definitely yes

| If you could start over again, would you go to the <i>same</i> institution you are now attending? | 1st Year | 3.33* | 3.23 | 3.34 | 3.26* | 3.46 | 3.41 | 3.24*** |
|---|----------|--------|------|------|---------|------|------|---------|
| | Senior | 3.27** | 3.13 | 3.36 | 3.19*** | 3.31 | 3.31 | 3.18*** |

* indicates significant differences for mean comparisons, *p<0.05, **p<0.01, ***p<0.001

Average Responses to NSSE Survey Items by College

| | | <u>2009 Means</u> | | | | | | | | | |
|---|----------|----------------------|------------------|---------------|--------------|----------------|--------------|--------------|---------------|---------------|-----------------|
| | | Doc-Ext. n=53,907 | Peer n=18,620 | OSU n=1414 | CAS n=360 | CASNR n=212 | SSB n=226 | COE n=136 | CEAT n=291 | CHES n=152 | UAS**** n=37 |
| <i>In your experience at this institution during the current year, about how often have you done each of the following? 1=never, 2=sometimes, 3=often, 4=very often</i> | | | | | | | | | | | |
| Academic and Intellectual Experiences | | | | | | | | | | | |
| Asked questions in class or contributed to class discussions | 1st Year | 2.75 | 2.56*** | 2.70 | 2.79 | 2.55 | 2.66 | 2.97 | 2.68 | 2.71 | 2.61 |
| | Senior | 3.04*** | 2.92 | 2.87 | 2.87 | 2.79 | 2.78 | 3.13 | 2.77 | 3.06 | - |
| Made a class presentation | 1st Year | 2.18*** | 1.99 | 2.04 | 2.00 | 1.86 | 1.96 | 2.25 | 2.00 | 2.37 | 2.06 |
| | Senior | 2.73* | 2.67 | 2.67 | 2.40 | 2.72 | 2.69 | 3.04 | 2.56 | 3.01 | - |
| Prepared two or more drafts of a paper or assignment before turning it in | 1st Year | 2.62 | 2.40*** | 2.62 | 2.60 | 2.62 | 2.66 | 2.93 | 2.32 | 2.74 | 2.89 |
| | Senior | 2.44 | 2.34 | 2.40 | 2.38 | 2.58 | 2.40 | 2.59 | 2.17 | 2.49 | - |
| Worked on a paper or project that required integrating ideas or information from various sources | 1st Year | 3.07 | 2.90*** | 3.07 | 3.06 | 3.00 | 3.00 | 3.40 | 2.98 | 3.09 | 3.12 |
| | Senior | 3.29 | 3.26 | 3.24 | 3.22 | 3.21 | 3.13 | 3.36 | 3.28 | 3.34 | - |
| Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments. | 1st Year | 2.79* | 2.61 | 2.69 | 2.90 | 2.50 | 2.81 | 2.88 | 2.43 | 2.70 | 2.83 |
| | Senior | 2.76*** | 2.64*** | 2.51 | 2.68 | 2.41 | 2.54 | 2.87 | 2.12 | 2.77 | - |
| Came to class without completing readings or assignments | 1st Year | 2.08** | 2.16 | 2.20 | 2.14 | 2.18 | 2.17 | 2.20 | 2.33 | 2.16 | 2.17 |
| | Senior | 2.18*** | 2.28 | 2.32 | 2.31 | 2.23 | 2.34 | 2.40 | 2.28 | 2.39 | - |
| Worked with other students on projects during class | 1st Year | 2.42 | 2.38 | 2.43 | 2.31 | 2.47 | 2.40 | 2.34 | 2.45 | 2.51 | 2.57 |
| | Senior | 2.53 | 2.47 | 2.52 | 2.29 | 2.61 | 2.53 | 2.68 | 2.45 | 2.97 | - |
| Worked with classmates outside of class to prepare class assignments | 1st Year | 2.45 | 2.51 | 2.48 | 2.32 | 2.68 | 2.26 | 2.34 | 2.69 | 2.53 | 2.37 |
| | Senior | 2.83*** | 2.95 | 2.96 | 2.58 | 2.85 | 3.07 | 2.92 | 2.32 | 3.16 | - |
| Put together ideas or concepts from different courses when completing assignments or during class discussions | 1st Year | 2.64** | 2.56 | 2.53 | 2.56 | 2.52 | 2.46 | 2.62 | 2.39 | 2.67 | 2.67 |
| | Senior | 2.96** | 2.95* | 2.88 | 2.78 | 2.83 | 2.77 | 2.84 | 3.04 | 3.06 | - |
| Tutored or taught other students (paid or voluntary) | 1st Year | 1.72 | 1.79 | 1.73 | 1.68 | 1.66 | 1.80 | 1.77 | 1.84 | 1.64 | 1.62 |
| | Senior | 1.88** | 1.89** | 1.98 | 1.88 | 2.04 | 1.74 | 1.99 | 2.22 | 1.88 | - |
| Participated in a community-based project (e.g. service learning) as part of a regular course | 1st Year | 1.54 | 1.56 | 1.53 | 1.46 | 1.68 | 1.50 | 1.54 | 1.35 | 1.49 | 1.79 |
| | Senior | 1.65*** | 1.63*** | 1.53 | 1.42 | 1.57 | 1.51 | 1.79 | 1.40 | 1.80 | - |
| Used an electronic medium (listserv, chat group, Internet, instant messaging, etc.) to discuss or complete an assignment | 1st Year | 2.69 | 2.69 | 2.60 | 2.63 | 2.56 | 2.48 | 2.51 | 2.79 | 2.61 | 2.29 |
| | Senior | 2.87** | 2.85* | 2.77 | 2.77 | 2.75 | 2.76 | 2.77 | 2.74 | 2.83 | - |
| Used email to communicate with an instructor | 1st Year | 3.16 | 3.12 | 3.16 | 3.13 | 3.16 | 3.26 | 3.38 | 3.01 | 3.26 | 3.38 |
| | Senior | 3.41 | 3.42* | 3.36 | 3.33 | 3.34 | 3.36 | 3.59 | 3.28 | 3.58 | - |
| Discussed grades or assignments with an instructor | 1st Year | 2.59* | 2.53*** | 2.68 | 2.66 | 2.72 | 2.67 | 2.77 | 2.62 | 2.54 | 2.94 |
| | Senior | 2.78 | 2.79 | 2.83 | 2.76 | 2.97 | 2.70 | 3.00 | 2.74 | 3.03 | - |
| Talked about career plans with a faculty member or advisor | 1st Year | 2.16*** | 2.20*** | 2.39 | 2.26 | 2.71 | 2.26 | 2.59 | 2.26 | 2.33 | 2.50 |
| | Senior | 2.37 | 2.39 | 2.40 | 2.40 | 2.78 | 2.04 | 2.40 | 2.32 | 2.77 | - |

**** UAS senior is not reported due to insufficient sample size of 2

* indicates significant differences for mean comparisons between 'OSU' and 'Peer,' and 'OSU' and 'Doc-Ext'
*p<0.05, **p<0.01, ***p<0.001. Statistical comparisons among colleges were not conducted.

2009 Means

| Doc-Ext. | Peer | OSU | CAS | CASNR | SSB | COE | CEAT | CHES | UAS**** |
|----------|----------|--------|-------|-------|-------|-------|-------|-------|---------|
| n=53,907 | n=18,620 | n=1414 | n=360 | n=212 | n=226 | n=136 | n=291 | n=152 | n=37 |

Academic and Intellectual Experiences (cont'd)

1=never, 2=sometimes, 3=often, 4=very often

| | | | | | | | | | | | |
|---|----------|---------|---------|------|------|------|------|------|------|------|------|
| Discussed ideas from your reading or classes with faculty members outside of class | 1st Year | 1.84 | 1.76 | 1.81 | 1.72 | 1.84 | 1.85 | 1.85 | 1.70 | 1.72 | 2.09 |
| | Senior | 2.06* | 2.00 | 1.99 | 2.00 | 2.20 | 1.84 | 1.95 | 2.00 | 1.91 | - |
| Received prompt feedback from faculty on your academic performance (written or oral) | 1st Year | 2.62 | 2.50* | 2.60 | 2.71 | 2.56 | 2.55 | 2.89 | 2.48 | 2.58 | 2.65 |
| | Senior | 2.74*** | 2.68* | 2.62 | 2.72 | 2.62 | 2.50 | 2.79 | 2.53 | 2.69 | - |
| Worked harder than you thought you could to meet an instructor's standards or expectations | 1st Year | 2.64 | 2.59 | 2.61 | 2.60 | 2.66 | 2.61 | 2.83 | 2.41 | 2.87 | 2.68 |
| | Senior | 2.71*** | 2.62 | 2.60 | 2.60 | 2.68 | 2.55 | 2.63 | 2.55 | 2.73 | - |
| Worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.) | 1st Year | 1.60 | 1.58* | 1.68 | 1.57 | 1.83 | 1.52 | 1.71 | 1.64 | 1.74 | 1.76 |
| | Senior | 1.81* | 1.86 | 1.88 | 1.88 | 2.30 | 1.72 | 1.66 | 1.85 | 1.98 | - |
| Discussed ideas from your readings or classes with others outside of class (students, family members, coworkers, etc.) | 1st Year | 2.75* | 2.72 | 2.65 | 2.77 | 2.70 | 2.52 | 2.63 | 2.62 | 2.50 | 2.64 |
| | Senior | 2.90*** | 2.83 | 2.79 | 2.93 | 2.84 | 2.69 | 2.72 | 2.70 | 2.91 | - |
| Had serious conversations with students of a different race or ethnicity than your own | 1st Year | 2.62*** | 2.56*** | 2.39 | 2.43 | 2.31 | 2.18 | 2.37 | 2.44 | 2.55 | 2.35 |
| | Senior | 2.71*** | 2.67*** | 2.54 | 2.70 | 2.28 | 2.48 | 2.41 | 2.64 | 2.57 | - |
| Had serious conversations with students who are very different from you in terms of their religious beliefs, political opinions, or personal values | 1st Year | 2.72** | 2.70* | 2.58 | 2.76 | 2.46 | 2.50 | 2.49 | 2.69 | 2.53 | 2.47 |
| | Senior | 2.76** | 2.79*** | 2.67 | 2.81 | 2.57 | 2.61 | 2.58 | 2.68 | 2.65 | - |

Mental Activities

During the current year, how much has your coursework emphasized the following mental activities?

1=very little, 2=some, 3=quite a bit, 4=very much

| | | | | | | | | | | | |
|--|----------|---------|---------|------|------|------|------|------|------|------|------|
| Memorizing facts, ideas, or methods from your courses and readings so you can repeat them in pretty much the same form | 1st Year | 2.96 | 3.00 | 2.98 | 3.03 | 2.90 | 3.02 | 3.15 | 2.87 | 3.11 | 3.03 |
| | Senior | 2.79 | 2.84 | 2.81 | 2.96 | 3.02 | 2.74 | 2.82 | 2.48 | 2.99 | - |
| Analyzing the basic elements of an idea, experience, or theory such as examining a particular case or situation in depth and considering its components | 1st Year | 3.15 | 3.14 | 3.14 | 3.26 | 3.04 | 3.02 | 3.06 | 3.16 | 3.18 | 3.18 |
| | Senior | 3.28*** | 3.26*** | 3.16 | 3.11 | 3.03 | 3.13 | 3.09 | 3.32 | 3.17 | - |
| Synthesizing and organizing ideas, information, or experiences into new, more complex interpretations and relationships | 1st Year | 2.93 | 2.89 | 2.90 | 3.01 | 2.86 | 2.88 | 2.65 | 2.92 | 2.92 | 2.94 |
| | Senior | 3.06*** | 3.00*** | 2.88 | 2.86 | 2.82 | 2.76 | 2.92 | 2.99 | 3.00 | - |
| Making judgments about the value of information, arguments, or methods such as examining how others gathered and interpreted data and assessing the soundness of their conclusions | 1st Year | 2.91 | 2.86 | 2.84 | 2.85 | 2.84 | 2.74 | 2.85 | 2.78 | 2.76 | 3.18 |
| | Senior | 3.01*** | 2.96** | 2.87 | 2.85 | 2.77 | 2.77 | 3.07 | 2.92 | 2.92 | - |
| Applying theories or concepts to practical problems or in new situations | 1st Year | 3.08 | 3.10 | 3.10 | 3.19 | 3.08 | 2.84 | 2.94 | 3.15 | 3.13 | 3.27 |
| | Senior | 3.23 | 3.22 | 3.19 | 3.03 | 3.16 | 3.05 | 3.31 | 3.39 | 3.39 | - |

**** UAS senior is not reported due to insufficient sample size of 2

* indicates significant differences for mean comparisons between 'OSU' and 'Peer,' and 'OSU' and 'Doc-Ext'
*p<0.05, **p<0.01, ***p<0.001. Statistical comparisons among colleges were not conducted.

2009 Means

| Doc-Ext. | Peer | OSU | CAS | CASNR | SSB | COE | CEAT | CHES | UAS**** |
|----------|----------|--------|-------|-------|-------|-------|-------|-------|---------|
| n=53,907 | n=18,620 | n=1414 | n=360 | n=212 | n=226 | n=136 | n=291 | n=152 | n=37 |

*During the current school year, about how much reading and writing have you done?
1=none, 2= between 1 and 4, 3=between 5 and 10, 4=between 11 and 20, 5=more than 20*

Reading and Writing

| | | | | | | | | | | | |
|---|----------|---------|---------|------|------|------|------|------|------|------|------|
| Number of assigned textbooks, books, or book-length packs of course readings | 1st Year | 3.26*** | 3.15* | 3.04 | 3.16 | 3.04 | 3.07 | 3.22 | 2.81 | 3.05 | 3.19 |
| | Senior | 3.16*** | 3.08*** | 2.94 | 3.27 | 2.74 | 2.98 | 3.08 | 2.69 | 2.87 | - |
| Number of books read on your own (not assigned) for personal enjoyment or academic enrichment | 1st Year | 2.06 | 2.02 | 2.00 | 2.16 | 2.17 | 1.81 | 1.81 | 1.88 | 2.03 | 1.97 |
| | Senior | 2.20 | 2.20 | 2.20 | 2.33 | 2.32 | 2.23 | 2.28 | 2.02 | 2.11 | - |
| Number of written papers or reports of 20 pages or more | 1st Year | 1.28 | 1.19 | 1.23 | 1.18 | 1.17 | 1.23 | 1.34 | 1.21 | 1.24 | 1.28 |
| | Senior | 1.64 | 1.58 | 1.61 | 1.44 | 1.60 | 1.63 | 1.50 | 1.86 | 1.43 | - |
| Number of written papers or reports between 5 and 19 pages | 1st Year | 2.30 | 2.07*** | 2.31 | 2.33 | 2.27 | 2.40 | 2.44 | 2.22 | 2.19 | 2.29 |
| | Senior | 2.50*** | 2.45 | 2.40 | 2.52 | 2.42 | 2.26 | 2.22 | 2.39 | 2.40 | - |
| Number of written papers or reports of fewer than 5 pages | 1st Year | 3.04 | 2.84* | 2.96 | 3.15 | 2.95 | 3.05 | 2.78 | 2.76 | 3.19 | 2.87 |
| | Senior | 2.97 | 2.99 | 2.94 | 3.02 | 3.10 | 2.83 | 3.15 | 2.68 | 3.04 | - |

*In a typical week, how many homework problem sets do you complete?
1=none; 2=1-2; 3=3-4; 4=5-6; 5=more than 6*

Problem Sets

| | | | | | | | | | | | |
|--|----------|---------|---------|------|------|------|------|------|------|------|------|
| Number of problem sets that take you more than an hour to complete | 1st Year | 2.70*** | 2.71*** | 2.95 | 2.61 | 3.04 | 2.91 | 2.81 | 3.31 | 3.03 | 3.09 |
| | Senior | 2.63 | 2.53*** | 2.68 | 2.23 | 2.68 | 2.81 | 2.45 | 3.27 | 2.32 | - |
| Number of problem sets that take you less than an hour to complete | 1st Year | 2.77* | 2.79* | 2.64 | 2.68 | 3.02 | 2.56 | 2.59 | 2.28 | 2.68 | 2.59 |
| | Senior | 2.35 | 2.29 | 2.29 | 1.85 | 2.63 | 2.78 | 2.45 | 2.16 | 2.01 | - |

Examinations

1=very little to 7=very much

| | | | | | | | | | | | |
|--|----------|---------|------|------|------|------|------|------|------|------|------|
| To what extent have your exams during the current school year challenged you to do your best work? | 1st Year | 5.45*** | 5.60 | 5.64 | 5.63 | 5.72 | 5.52 | 5.59 | 5.65 | 5.70 | 5.59 |
| | Senior | 5.45** | 5.40 | 5.31 | 5.28 | 5.31 | 5.34 | 5.25 | 5.33 | 5.41 | - |

Additional Collegiate Experiences

*During the current school year, about how often have you done each of the following?
1=never; 2=sometimes; 3=often; 4=very often*

| | | | | | | | | | | | |
|---|----------|---------|---------|------|------|------|------|------|------|------|------|
| Attended an art exhibit, gallery, play, dance, or other theatre performance | 1st Year | 2.18*** | 2.10 | 2.02 | 2.17 | 1.88 | 2.00 | 2.16 | 1.79 | 1.92 | 2.48 |
| | Senior | 2.07*** | 1.99** | 1.90 | 2.15 | 1.89 | 1.80 | 1.81 | 1.75 | 1.98 | - |
| Exercised or participated in physical fitness activities | 1st Year | 2.83*** | 3.01 | 2.99 | 2.91 | 2.96 | 3.00 | 3.10 | 3.05 | 3.14 | 2.97 |
| | Senior | 2.74 | 2.95*** | 2.81 | 2.75 | 2.88 | 2.82 | 2.83 | 2.74 | 2.88 | - |
| Participated in activities to enhance your spirituality (worship, meditation, prayer, etc.) | 1st Year | 2.05*** | 2.27** | 2.43 | 2.23 | 2.55 | 2.55 | 2.68 | 2.40 | 2.70 | 2.26 |
| | Senior | 2.15*** | 2.20*** | 2.37 | 2.43 | 2.30 | 2.39 | 2.55 | 2.16 | 2.72 | - |
| Examined the strengths and weaknesses of your own views on a topic or issue | 1st Year | 2.61 | 2.61 | 2.63 | 2.73 | 2.48 | 2.52 | 2.63 | 2.63 | 2.70 | 2.61 |
| | Senior | 2.71 | 2.71 | 2.66 | 2.72 | 2.64 | 2.72 | 2.62 | 2.54 | 2.73 | - |

**** UAS senior is not reported due to insufficient sample size of 2

* indicates significant differences for mean comparisons between 'OSU' and 'Peer,' and 'OSU' and 'Doc-Ext'
*p<0.05, **p<0.01, ***p<0.001. Statistical comparisons among colleges were not conducted.

2009 Means

| Doc-Ext. | Peer | OSU | CAS | CASNR | SSB | COE | CEAT | CHES | UAS**** |
|----------|----------|--------|-------|-------|-------|-------|-------|-------|---------|
| n=53,907 | n=18,620 | n=1414 | n=360 | n=212 | n=226 | n=136 | n=291 | n=152 | n=37 |

Additional Collegiate Experiences (cont'd)

1=never; 2=sometimes; 3=often; 4=very often

| | | | | | | | | | | | |
|---|----------|---------|--------|------|------|------|------|------|------|------|------|
| Tried to better understand someone else's views by imagining how an issue looks from his or her perspective | 1st Year | 2.78 | 2.74 | 2.78 | 2.92 | 2.67 | 2.57 | 2.70 | 2.80 | 2.84 | 2.84 |
| | Senior | 2.86** | 2.82 | 2.78 | 2.88 | 2.70 | 2.89 | 2.80 | 2.59 | 2.86 | - |
| Learned something that changed the way you understand an issue or concept | 1st Year | 2.87 | 2.82 | 2.83 | 2.89 | 2.83 | 2.68 | 3.16 | 2.76 | 2.76 | 2.90 |
| | Senior | 2.91*** | 2.87** | 2.78 | 2.83 | 2.82 | 2.78 | 2.85 | 2.63 | 2.92 | - |

Enriching Educational Experiences

Which of the following have you done or do you plan to do before you graduate from your institution? (Recorded: 0=Have not decided, Do not plan to do, Plan to do; 1=Done. Thus, the mean is the proportion responding "Done" among all valid respondents.)

| | | | | | | | | | | | |
|---|----------|-------|-------|----|----|----|----|----|----|----|-----|
| Practicum, internship, field experience, co-op experience, or clinical assignment | 1st Year | 7% | 7% | 5% | 8% | 5% | 7% | 3% | 1% | 6% | 10% |
| | Senior | 52* | 57 | 57 | 46 | 72 | 40 | 67 | 66 | 66 | - |
| Community service or volunteer work | 1st Year | 39*** | 47 | 51 | 44 | 61 | 49 | 52 | 52 | 67 | 35 |
| | Senior | 59 | 67** | 62 | 61 | 69 | 58 | 58 | 59 | 77 | - |
| Participate in a learning community or some other formal program where groups of students take two or more classes together | 1st Year | 20 | 24 | 23 | 21 | 24 | 39 | 13 | 15 | 43 | 13 |
| | Senior | 26 | 29* | 26 | 23 | 31 | 16 | 46 | 23 | 33 | - |
| Work on a research project with a faculty member outside of course or program requirements | 1st Year | 5 | 6 | 6 | 4 | 9 | 0 | 13 | 6 | 6 | 3 |
| | Senior | 20 | 24 | 21 | 24 | 39 | 11 | 15 | 20 | 19 | - |
| Foreign (additional) language coursework | 1st Year | 21** | 20* | 17 | 29 | 9 | 21 | 19 | 4 | 29 | 10 |
| | Senior | 42*** | 45*** | 36 | 53 | 28 | 27 | 48 | 21 | 37 | - |
| Study abroad | 1st Year | 3 | 2* | 4 | 1 | 5 | 7 | 7 | 3 | 3 | 10 |
| | Senior | 16 | 18** | 13 | 11 | 22 | 8 | 6 | 18 | 14 | - |
| Independent study or self-designed major | 1st Year | 3 | 2 | 2 | 0 | 1 | 5 | 3 | 1 | 6 | 3 |
| | Senior | 17*** | 16*** | 25 | 25 | 30 | 26 | 21 | 21 | 25 | - |
| Culminating senior experience (capstone course, thesis, project, comprehensive exam, etc.) | 1st Year | 2 | 2 | 2 | 0 | 2 | 0 | 3 | 0 | 3 | 7 |
| | Senior | 34*** | 37* | 40 | 32 | 58 | 30 | 26 | 45 | 59 | - |

Quality of Relationships

What best represents the quality of your relationships with people at your institution?

1=unfriendly, unsupportive to 7=friendly, supportive, sense of belonging

| | | | | | | | | | | | |
|-----------------------------------|----------|---------|------|------|------|------|------|------|------|------|------|
| Relationships with other students | 1st Year | 5.45*** | 5.58 | 5.69 | 5.72 | 5.79 | 5.54 | 5.74 | 5.59 | 5.81 | 5.67 |
| | Senior | 5.54** | 5.68 | 5.68 | 5.57 | 5.65 | 5.61 | 5.99 | 5.57 | 6.13 | - |

1=unavailable, unhelpful, unsympathetic to 7=available, helpful, sympathetic

| | | | | | | | | | | | |
|------------------------------------|----------|------|-------|------|------|------|------|------|------|------|------|
| Relationships with faculty members | 1st Year | 5.08 | 5.01* | 5.14 | 5.22 | 5.21 | 4.93 | 5.10 | 4.99 | 5.00 | 5.33 |
| | Senior | 5.29 | 5.23 | 5.27 | 5.30 | 5.33 | 5.11 | 5.38 | 5.12 | 5.53 | - |

1=unhelpful, inconsiderate, rigid to 7=helpful, considerate, flexible

| | | | | | | | | | | | |
|---|----------|---------|---------|------|------|------|------|------|------|------|------|
| Relationships with administrative personnel and offices | 1st Year | 4.61*** | 4.68*** | 4.93 | 4.99 | 4.94 | 4.63 | 4.81 | 4.76 | 5.11 | 5.30 |
| | Senior | 4.47*** | 4.52** | 4.68 | 4.62 | 4.77 | 4.63 | 4.78 | 4.58 | 4.95 | - |

* indicates significant differences for mean comparisons between 'OSU' and 'Peer,' and 'OSU' and 'Doc-Ext'
*p<0.05, **p<0.01, ***p<0.001. Statistical comparisons among colleges were not conducted.

2009 Means

| | Doc-Ext. n=53,907 | Peer n=18,620 | OSU n=1414 | CAS n=360 | CASNR n=212 | SSB n=226 | COE n=136 | CEAT n=291 | CHES n=152 | UAS**** n=37 |
|--|----------------------|------------------|---------------|--------------|----------------|--------------|--------------|---------------|---------------|-----------------|
|--|----------------------|------------------|---------------|--------------|----------------|--------------|--------------|---------------|---------------|-----------------|

*About how many hours do you spend in a typical 7-day week doing each of the following?
1=0 hrs/wk, 2=1-5 hrs/wk, 3=6-10 hrs/wk, 4=11-15 hrs/wk, 5=16-20 hrs/wk, 6=21-25 hrs/wk, 7=26-30 hrs/wk, 8=more than 30 hrs/wk*

Time Usage

| | | | | | | | | | | | |
|---|----------|---------|---------|------|------|------|------|------|------|------|------|
| Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities) | 1st Year | 4.22* | 4.37 | 4.38 | 4.24 | 4.07 | 3.83 | 3.83 | 5.15 | 4.67 | 4.30 |
| | Senior | 4.25 | 4.24 | 4.22 | 4.13 | 3.95 | 3.83 | 4.05 | 5.05 | 3.98 | - |
| Working for pay on campus | 1st Year | 1.52 | 1.47* | 1.62 | 1.54 | 1.68 | 1.73 | 1.32 | 1.47 | 1.75 | 2.00 |
| | Senior | 1.86*** | 2.05* | 2.22 | 2.12 | 2.71 | 2.02 | 2.12 | 2.18 | 2.37 | - |
| Working for pay off campus | 1st Year | 2.15*** | 1.66 | 1.68 | 1.61 | 1.75 | 1.68 | 1.87 | 1.54 | 2.06 | 1.60 |
| | Senior | 3.55*** | 2.82*** | 3.17 | 2.97 | 3.26 | 3.54 | 3.31 | 2.77 | 3.10 | - |
| Participating in co-curricular activities (organizations, campus publications, student government, social fraternity or sorority, intercollegiate or intramural sports, etc.) | 1st Year | 2.32*** | 2.57* | 2.77 | 2.69 | 2.98 | 3.07 | 3.13 | 2.49 | 3.19 | 2.33 |
| | Senior | 2.14*** | 2.42 | 2.33 | 2.25 | 2.58 | 2.23 | 2.10 | 2.38 | 2.35 | - |
| Relaxing and socializing (watching TV, partying, etc.) | 1st Year | 3.90*** | 3.91*** | 3.57 | 3.73 | 3.26 | 3.55 | 3.35 | 3.76 | 3.37 | 3.57 |
| | Senior | 3.57 | 3.75** | 3.58 | 3.69 | 3.32 | 3.79 | 3.53 | 3.54 | 3.14 | - |
| Providing care for dependents living with you (parents, children, spouse, etc.) | 1st Year | 1.63*** | 1.33 | 1.32 | 1.23 | 1.36 | 1.20 | 1.39 | 1.19 | 1.43 | 1.68 |
| | Senior | 2.28 | 1.65*** | 2.25 | 2.09 | 2.31 | 2.57 | 2.64 | 2.00 | 2.23 | - |
| Commuting to class (driving, walking, etc.) | 1st Year | 2.35 | 2.31 | 2.27 | 2.20 | 2.29 | 2.10 | 2.26 | 2.28 | 2.37 | 2.64 |
| | Senior | 2.45*** | 2.33 | 2.29 | 2.20 | 2.46 | 2.24 | 2.38 | 2.27 | 2.28 | - |

To what extent does your institution emphasize each of the following?

1=very little, 2=some, 3=quite a bit, 4=very much

Institutional Environment

| | | | | | | | | | | | |
|---|----------|---------|---------|------|------|------|------|------|------|------|------|
| Spending significant amounts of time studying and on academic work | 1st Year | 3.13 | 3.19 | 3.15 | 3.10 | 3.21 | 3.12 | 3.19 | 3.11 | 3.14 | 3.28 |
| | Senior | 3.13* | 3.11 | 3.06 | 3.01 | 3.23 | 3.01 | 3.18 | 3.03 | 3.12 | - |
| Providing the support you need to help you succeed academically | 1st Year | 3.04 | 3.11 | 3.10 | 2.97 | 3.10 | 3.07 | 3.19 | 3.19 | 3.21 | 3.10 |
| | Senior | 2.87 | 2.89 | 2.83 | 2.84 | 2.98 | 2.74 | 2.86 | 2.77 | 2.96 | - |
| Encouraging contact among students from different economic, social, and racial or ethnic backgrounds | 1st Year | 2.69 | 2.73 | 2.67 | 2.76 | 2.77 | 2.51 | 2.77 | 2.52 | 2.67 | 2.69 |
| | Senior | 2.51*** | 2.45** | 2.36 | 2.25 | 2.50 | 2.38 | 2.55 | 2.28 | 2.39 | - |
| Helping you cope with your non-academic responsibilities (work, family, etc.) | 1st Year | 2.23 | 2.26 | 2.23 | 2.08 | 2.35 | 2.10 | 2.77 | 2.13 | 2.11 | 2.62 |
| | Senior | 1.96 | 1.93 | 1.89 | 1.83 | 2.07 | 1.87 | 2.01 | 1.84 | 1.88 | - |
| Providing the support you need to thrive socially | 1st Year | 2.48 | 2.58 | 2.50 | 2.47 | 2.68 | 2.30 | 2.81 | 2.47 | 2.31 | 2.57 |
| | Senior | 2.22 | 2.28** | 2.18 | 2.17 | 2.28 | 2.12 | 2.35 | 1.99 | 2.30 | - |
| Attending campus events and activities (special speakers, cultural performances, athletic events, etc.) | 1st Year | 2.87*** | 3.03 | 3.01 | 3.00 | 3.19 | 2.93 | 3.10 | 2.92 | 3.11 | 2.93 |
| | Senior | 2.68 | 2.83*** | 2.69 | 2.77 | 2.81 | 2.77 | 2.67 | 2.50 | 2.65 | - |
| Using computers in academic work | 1st Year | 3.35 | 3.41 | 3.34 | 3.39 | 3.34 | 3.22 | 3.23 | 3.38 | 3.19 | 3.59 |
| | Senior | 3.48 | 3.51 | 3.49 | 3.46 | 3.59 | 3.40 | 3.54 | 3.51 | 3.55 | - |

* indicates significant differences for mean comparisons between 'OSU' and 'Peer,' and 'OSU' and 'Doc-Ext'
*p<0.05, **p<0.01, ***p<0.001. Statistical comparisons among colleges were not conducted.

2009 Means

| | Doc-Ext. n=53,907 | Peer n=18,620 | OSU n=1414 | CAS n=360 | CASNR n=212 | SSB n=226 | COE n=136 | CEAT n=291 | CHES n=152 | UAS**** n=37 |
|--|----------------------|------------------|---------------|--------------|----------------|--------------|--------------|---------------|---------------|-----------------|
|--|----------------------|------------------|---------------|--------------|----------------|--------------|--------------|---------------|---------------|-----------------|

To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?

1=very little, 2=some, 3=quite a bit, 4=very much

Educational and Personal Growth

| | | | | | | | | | | | |
|---|----------|---------|---------|------|------|------|------|------|------|------|------|
| Acquiring a broad general education | 1st Year | 3.15 | 3.20 | 3.14 | 3.20 | 3.21 | 3.10 | 3.28 | 2.97 | 3.06 | 3.41 |
| | Senior | 3.23*** | 3.22** | 3.13 | 3.16 | 3.20 | 3.16 | 3.14 | 2.96 | 3.23 | - |
| Acquiring job or work-related knowledge and skills | 1st Year | 2.82** | 2.87 | 2.95 | 2.73 | 3.06 | 2.88 | 3.03 | 3.04 | 2.83 | 3.21 |
| | Senior | 3.06 | 3.04 | 3.05 | 2.80 | 3.12 | 3.00 | 3.15 | 3.18 | 3.26 | - |
| Writing clearly and effectively | 1st Year | 2.97 | 2.87 | 2.93 | 3.00 | 2.99 | 2.88 | 3.14 | 2.71 | 2.69 | 3.25 |
| | Senior | 3.06*** | 3.01* | 2.95 | 3.01 | 2.94 | 2.92 | 2.98 | 2.90 | 3.02 | - |
| Speaking clearly and effectively | 1st Year | 2.78 | 2.71 | 2.73 | 2.87 | 2.78 | 2.63 | 3.07 | 2.45 | 2.54 | 2.86 |
| | Senior | 2.95** | 2.91* | 2.86 | 2.80 | 2.88 | 2.87 | 2.94 | 2.82 | 2.97 | - |
| Thinking critically and analytically | 1st Year | 3.22 | 3.21 | 3.22 | 3.36 | 3.18 | 2.97 | 3.17 | 3.31 | 2.97 | 3.21 |
| | Senior | 3.35** | 3.34** | 3.26 | 3.23 | 3.08 | 3.24 | 3.27 | 3.44 | 3.27 | - |
| Analyzing quantitative problems | 1st Year | 2.97 | 3.06 | 3.02 | 3.01 | 3.00 | 2.82 | 2.90 | 3.24 | 2.64 | 3.07 |
| | Senior | 3.09 | 3.10 | 3.11 | 2.94 | 3.08 | 3.11 | 2.88 | 3.49 | 2.96 | - |
| Using computing and information technology | 1st Year | 3.05 | 3.12* | 3.04 | 2.93 | 3.03 | 3.00 | 3.07 | 3.13 | 2.75 | 3.29 |
| | Senior | 3.21 | 3.23 | 3.20 | 3.05 | 3.24 | 3.15 | 3.22 | 3.44 | 3.09 | - |
| Working effectively with others | 1st Year | 2.97 | 3.00 | 2.97 | 2.92 | 3.05 | 2.74 | 3.03 | 2.97 | 2.97 | 3.18 |
| | Senior | 3.14 | 3.16 | 3.13 | 2.92 | 3.11 | 3.10 | 3.24 | 3.25 | 3.44 | - |
| Voting in local, state, or national elections | 1st Year | 2.59 | 2.65** | 2.49 | 2.50 | 2.65 | 2.47 | 2.67 | 2.34 | 2.57 | 2.21 |
| | Senior | 2.30*** | 2.35*** | 2.09 | 2.11 | 2.19 | 2.11 | 2.15 | 1.91 | 2.24 | - |
| Learning effectively on your own | 1st Year | 2.98 | 3.03 | 2.95 | 3.03 | 3.10 | 2.68 | 3.03 | 2.83 | 2.69 | 3.07 |
| | Senior | 3.03** | 3.03** | 2.95 | 2.91 | 3.03 | 2.88 | 2.94 | 2.93 | 3.08 | - |
| Understanding yourself | 1st Year | 2.79 | 2.79 | 2.75 | 2.79 | 2.84 | 2.61 | 2.93 | 2.49 | 2.69 | 3.21 |
| | Senior | 2.77** | 2.77** | 2.67 | 2.65 | 2.75 | 2.62 | 2.73 | 2.54 | 2.89 | - |
| Understanding people of other racial and ethnic backgrounds | 1st Year | 2.68 | 2.63 | 2.62 | 2.60 | 2.73 | 2.42 | 2.70 | 2.49 | 2.60 | 3.04 |
| | Senior | 2.63*** | 2.54* | 2.46 | 2.53 | 2.42 | 2.45 | 2.52 | 2.24 | 2.76 | - |
| Solving complex real-world problems | 1st Year | 2.71 | 2.76 | 2.67 | 2.59 | 2.78 | 2.45 | 2.77 | 2.67 | 2.56 | 3.04 |
| | Senior | 2.81** | 2.83*** | 2.71 | 2.48 | 2.81 | 2.63 | 2.64 | 2.93 | 2.84 | - |
| Developing a personal code of values and ethics | 1st Year | 2.70 | 2.71 | 2.64 | 2.55 | 2.87 | 2.58 | 2.67 | 2.37 | 2.63 | 3.11 |
| | Senior | 2.70*** | 2.65*** | 2.51 | 2.42 | 2.60 | 2.41 | 2.69 | 2.43 | 2.79 | - |
| Contributing to the welfare of your community | 1st Year | 2.48 | 2.56 | 2.56 | 2.53 | 2.65 | 2.53 | 2.53 | 2.36 | 2.89 | 2.79 |
| | Senior | 2.47*** | 2.47*** | 2.31 | 2.31 | 2.48 | 2.24 | 2.42 | 2.11 | 2.60 | - |
| Developing a deepened sense of spirituality | 1st Year | 2.11 | 2.16 | 2.20 | 1.99 | 2.35 | 2.13 | 2.33 | 2.03 | 2.40 | 2.74 |
| | Senior | 1.91*** | 1.86** | 1.77 | 1.69 | 1.93 | 1.74 | 1.89 | 1.66 | 1.88 | - |

* indicates significant differences for mean comparisons between 'OSU' and 'Peer,' and 'OSU' and 'Doc-Ext'
*p<0.05, **p<0.01, ***p<0.001. Statistical comparisons among colleges were not conducted.

2009 Means

| | Doc-Ext. n=53,907 | Peer n=18,620 | OSU n=1414 | CAS n=360 | CASNR n=212 | SSB n=226 | COE n=136 | CEAT n=291 | CHES n=152 | UAS**** n=37 |
|--|----------------------|------------------|---------------|--------------|----------------|--------------|--------------|---------------|---------------|-----------------|
|--|----------------------|------------------|---------------|--------------|----------------|--------------|--------------|---------------|---------------|-----------------|

Academic Advising

1=poor, 2=fair, 3=good, 4=excellent

| | | | | | | | | | | | |
|--|----------|---------|--------|------|------|------|------|------|------|------|------|
| Overall how would you evaluate the quality of academic advising you have received at your institution? | 1st Year | 2.98*** | 3.12* | 3.20 | 3.21 | 3.23 | 3.05 | 3.30 | 3.19 | 3.20 | 3.25 |
| | Senior | 2.79*** | 2.84** | 2.95 | 2.95 | 3.20 | 2.83 | 3.06 | 2.89 | 2.98 | - |

Satisfaction

1=poor, 2=fair, 3=good, 4=excellent

| | | | | | | | | | | | |
|--|----------|--------|------|------|------|------|------|------|------|------|------|
| How would you evaluate your entire educational experience at this institution? | 1st Year | 3.20** | 3.30 | 3.31 | 3.35 | 3.34 | 3.18 | 3.40 | 3.33 | 3.31 | 3.18 |
| | Senior | 3.19 | 3.25 | 3.21 | 3.16 | 3.29 | 3.20 | 3.31 | 3.10 | 3.41 | - |

1=definitely no, 2=probably no, 3=probably yes, 4=definitely yes

| | | | | | | | | | | | |
|--|----------|---------|------|------|------|------|------|------|------|------|------|
| If you could start over again, would you go to the same institution you are now attending? | 1st Year | 3.24*** | 3.41 | 3.46 | 3.46 | 3.59 | 3.38 | 3.57 | 3.49 | 3.43 | 3.29 |
| | Senior | 3.18*** | 3.30 | 3.31 | 3.19 | 3.37 | 3.36 | 3.43 | 3.29 | 3.43 | - |

**** UAS senior is not reported due to insufficient sample size of 2

* indicates significant differences for mean comparisons between 'OSU' and 'Peer,' and 'OSU' and 'Doc-Ext'
*p<0.05, **p<0.01, ***p<0.001. Statistical comparisons among colleges were not conducted.

| Sample Size Information (# of students) | 1st Yr. | Senior | Total |
|--|---------|--------|--------|
| College of Agricultural Sciences and Natural Resources | 91 | 121 | 212 |
| OSU | 476 | 938 | 1,414 |
| Selected Peer Group | 8,235 | 10,385 | 18,620 |
| Doctoral-Extensive | 24,587 | 29,320 | 53,907 |

| Academic and Intellectual Experiences <i>In your experience at this institution during the current school year, about how often have you done each of the following?</i> | Class Rank | Percent of CASNR Students who gave the response. . . | | | | CASNR Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|------------|--|---------------|-----------|----------------|------------------------|----------------------|-----------------------|--------------------------|
| | | 1 = never | 2 = sometimes | 3 = often | 4 = very often | | | | |
| Asked questions in class or contributed to class discussions | 1st Yr. | 6% | 44% | 41% | 10% | 2.55 | 2.70 | 2.56*** | 2.75 |
| | Senior | 3 | 39 | 33 | 25 | 2.79 | 2.87 | 2.92 | 3.04*** |
| Made a class presentation | 1st Yr. | 29 | 59 | 10 | 2 | 1.86 | 2.04 | 1.99 | 2.18*** |
| | Senior | 7 | 34 | 40 | 19 | 2.72 | 2.66 | 2.67 | 2.73* |
| Prepared two or more drafts of a paper or assignment before turning it in | 1st Yr. | 16 | 30 | 31 | 23 | 2.62 | 2.62 | 2.40*** | 2.62 |
| | Senior | 11 | 38 | 33 | 18 | 2.58 | 2.39 | 2.34 | 2.44 |
| Worked on a paper or project that required integrating ideas or information from various sources | 1st Yr. | 2 | 28 | 39 | 32 | 3.00 | 3.07 | 2.90*** | 3.07 |
| | Senior | 1 | 16 | 45 | 39 | 3.21 | 3.24 | 3.26 | 3.29 |
| Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments | 1st Yr. | 9 | 44 | 34 | 12 | 2.50 | 2.69 | 2.61 | 2.79* |
| | Senior | 15 | 43 | 28 | 14 | 2.41 | 2.51 | 2.64*** | 2.76*** |
| Come to class without completing readings or assignments | 1st Yr. | 19 | 54 | 19 | 9 | 2.18 | 2.20 | 2.16 | 2.08** |
| | Senior | 18 | 49 | 23 | 9 | 2.23 | 2.32 | 2.28 | 2.18*** |
| Worked with other students on projects during class | 1st Yr. | 14 | 39 | 33 | 14 | 2.47 | 2.43 | 2.38 | 2.42 |
| | Senior | 8 | 38 | 40 | 14 | 2.61 | 2.52 | 2.47 | 2.53 |
| Worked with classmates outside of class to prepare class assignments | 1st Yr. | 2 | 43 | 40 | 15 | 2.68 | 2.48 | 2.51 | 2.45 |
| | Senior | 2 | 34 | 42 | 23 | 2.85 | 2.96 | 2.95 | 2.83*** |
| Put together ideas or concepts from different courses when completing assignments or during class discussions | 1st Yr. | 11 | 43 | 30 | 16 | 2.52 | 2.54 | 2.56 | 2.64** |
| | Senior | 1 | 39 | 38 | 23 | 2.83 | 2.88 | 2.95* | 2.96** |
| Tutored or taught other students (paid or voluntary) | 1st Yr. | 51 | 36 | 12 | 2 | 1.66 | 1.73 | 1.79 | 1.72 |
| | Senior | 34 | 39 | 16 | 11 | 2.04 | 1.98 | 1.89** | 1.88** |
| Participated in a community-based project (e.g. service learning) as part of a regular course | 1st Yr. | 58 | 25 | 9 | 8 | 1.68 | 1.53 | 1.56 | 1.54 |
| | Senior | 59 | 30 | 7 | 4 | 1.57 | 1.53 | 1.63*** | 1.65*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Academic and Intellectual Experiences <i>(continued)</i> | Class Rank | Percent of CASNR Students who gave the response. . . | | | | CASNR Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|----------------------|------------------|-----------------------|-------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = never</i> | <i>2 = sometimes</i> | <i>3 = often</i> | <i>4 = very often</i> | | | | |
| Used an electronic medium (listserv, chat group, Internet, instant messaging, etc.) to discuss or complete an assignment | 1st Yr. | 17% | 31% | 30% | 22% | 2.63 | 2.60 | 2.69 | 2.69 |
| | Senior | 6 | 41 | 25 | 28 | 2.77 | 2.76 | 2.85* | 2.87** |
| Used e-mail to communicate with an instructor | 1st Yr. | 0 | 21 | 43 | 37 | 3.13 | 3.16 | 3.12 | 3.16 |
| | Senior | 0 | 13 | 40 | 47 | 3.33 | 3.36 | 3.42* | 3.41 |
| Discussed grades or assignments with an instructor | 1st Yr. | 2 | 45 | 31 | 21 | 2.66 | 2.68 | 2.53*** | 2.59* |
| | Senior | 1 | 33 | 33 | 33 | 2.76 | 2.83 | 2.79 | 2.78 |
| Talked about career plans with a faculty member or advisor | 1st Yr. | 7 | 37 | 34 | 22 | 2.26 | 2.39 | 2.20*** | 2.16*** |
| | Senior | 5 | 37 | 33 | 25 | 2.40 | 2.40 | 2.39 | 2.37 |
| Discussed ideas from your readings or classes with faculty members outside of class | 1st Yr. | 40 | 43 | 8 | 8 | 1.84 | 1.81 | 1.76 | 1.84 |
| | Senior | 21 | 47 | 22 | 9 | 2.20 | 1.99 | 2.00 | 2.06* |
| Received prompt feedback from faculty on your academic performance (written or oral) | 1st Yr. | 7 | 43 | 37 | 13 | 2.56 | 2.60 | 2.50* | 2.62 |
| | Senior | 3 | 47 | 37 | 14 | 2.62 | 2.62 | 2.68* | 2.74*** |
| Worked harder than you thought you could to meet an instructor's standards or expectations | 1st Yr. | 5 | 40 | 40 | 16 | 2.66 | 2.61 | 2.59 | 2.64 |
| | Senior | 5 | 38 | 41 | 16 | 2.68 | 2.60 | 2.62 | 2.71*** |
| Worked with faculty members on activities other than course work (committees, orientation, student life activities, etc.) | 1st Yr. | 37 | 47 | 11 | 5 | 1.83 | 1.68 | 1.58* | 1.60 |
| | Senior | 28 | 31 | 25 | 16 | 2.30 | 1.88 | 1.86 | 1.81* |
| Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.) | 1st Yr. | 6 | 40 | 32 | 22 | 2.70 | 2.65 | 2.72 | 2.75* |
| | Senior | 3 | 35 | 35 | 26 | 2.84 | 2.79 | 2.83 | 2.90*** |
| Had serious conversations with students of a different race or ethnicity than your own | 1st Yr. | 21 | 42 | 23 | 15 | 2.31 | 2.39 | 2.56*** | 2.62*** |
| | Senior | 21 | 44 | 23 | 13 | 2.28 | 2.54 | 2.67*** | 2.71*** |
| Had serious conversations with students who are very different from you in terms of their religious beliefs, political opinions, or personal values | 1st Yr. | 13 | 42 | 30 | 15 | 2.46 | 2.58 | 2.70* | 2.72** |
| | Senior | 10 | 45 | 21 | 23 | 2.57 | 2.67 | 2.79*** | 2.76** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Mental Activities <i>During the current year, how much has your coursework emphasized the following mental activities?</i> | Class Rank | Percent of CASNR Students who gave the response. . . | | | | CASNR Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|-----------------|------------------------|----------------------|-------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Memorizing facts, ideas, or methods from your courses and readings | 1st Yr. | 6% | 22% | 48% | 24% | 2.90 | 2.98 | 3.00 | 2.96 |
| | Senior | 3 | 25 | 41 | 32 | 3.02 | 2.81 | 2.84 | 2.79 |
| Analyzing the basic elements of an idea, experience, or theory | 1st Yr. | 2 | 21 | 48 | 29 | 3.04 | 3.14 | 3.14 | 3.15 |
| | Senior | 2 | 19 | 53 | 26 | 3.03 | 3.16 | 3.26*** | 3.28*** |
| Synthesizing and organizing ideas, information, or experiences | 1st Yr. | 6 | 25 | 46 | 23 | 2.86 | 2.90 | 2.89 | 2.93 |
| | Senior | 4 | 31 | 44 | 21 | 2.82 | 2.88 | 3.00*** | 3.06*** |
| Making judgments about the value of information, arguments, or methods | 1st Yr. | 7 | 23 | 48 | 22 | 2.84 | 2.84 | 2.86 | 2.91 |
| | Senior | 7 | 33 | 36 | 24 | 2.77 | 2.87 | 2.96** | 3.01*** |
| Applying theories or concepts to practical problems or in new situations | 1st Yr. | 2 | 22 | 41 | 35 | 3.08 | 3.10 | 3.10 | 3.08 |
| | Senior | 3 | 19 | 36 | 42 | 3.16 | 3.19 | 3.22 | 3.23 |

| Reading and Writing <i>During the current school year, about how much reading and writing have you done?</i> | Class Rank | Percent of CASNR Students who gave the response. . . | | | | | CASNR Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------|-------------------|--------------------|--------------------|-------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = none</i> | <i>2 = 1 - 4</i> | <i>3 = 5 - 10</i> | <i>4 = 11 - 20</i> | <i>5 = > 20</i> | | | | |
| Number of assigned textbooks, books, or book-length packs of course readings | 1st Yr. | 1% | 29% | 44% | 16% | 10% | 3.04 | 3.04 | 3.15* | 3.26*** |
| | Senior | 5 | 43 | 35 | 7 | 10 | 2.74 | 2.94 | 3.08*** | 3.16*** |
| Number of books read on your own (not assigned) for personal enjoyment or academic enrichment | 1st Yr. | 24 | 46 | 22 | 2 | 5 | 2.17 | 2.00 | 2.02 | 2.06 |
| | Senior | 19 | 53 | 12 | 10 | 6 | 2.32 | 2.20 | 2.20 | 2.20 |
| Number of written papers or reports of 20 pages or more | 1st Yr. | 88 | 10 | 1 | 0 | 1 | 1.17 | 1.23 | 1.19 | 1.28 |
| | Senior | 51 | 41 | 7 | 1 | 1 | 1.60 | 1.61 | 1.58 | 1.64 |
| Number of written papers or reports between 5 and 19 pages | 1st Yr. | 12 | 56 | 26 | 5 | 1 | 2.27 | 2.31 | 2.07*** | 2.30 |
| | Senior | 7 | 55 | 28 | 10 | 1 | 2.42 | 2.40 | 2.45 | 2.50*** |
| Number of written papers or reports of fewer than 5 pages | 1st Yr. | 1 | 31 | 48 | 13 | 7 | 2.95 | 2.96 | 2.84* | 3.04 |
| | Senior | 4 | 32 | 30 | 16 | 17 | 3.10 | 2.94 | 2.99 | 2.97 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Problem Sets <i>In a typical week, how many homework problem sets do you complete?</i> | Class Rank | Percent of CASNR Students who gave the response. . . | | | | | CASNR Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------|------------------|------------------|-------------------|-------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = none</i> | <i>2 = 1 - 2</i> | <i>3 = 3 - 4</i> | <i>4 = 5 - 6</i> | <i>5 = > 6</i> | | | | |
| Number of problem sets that take you more than an hour to complete | 1st Yr. | 4% | 41% | 23% | 13% | 19% | 3.04 | 2.95 | 2.71*** | 2.70*** |
| | Senior | 14 | 39 | 27 | 7 | 14 | 2.68 | 2.68 | 2.53*** | 2.63 |
| Number of problem sets that take you less than an hour to complete | 1st Yr. | 8 | 30 | 31 | 11 | 19 | 3.02 | 2.64 | 2.79* | 2.77* |
| | Senior | 20 | 35 | 19 | 15 | 11 | 2.63 | 2.29 | 2.29 | 2.35 |

| Examinations | Class Rank | Percent of CASNR Students who gave the response. . . | | | | | | | CASNR Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------|------------|------------|------------|------------|----------------------|-------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = very much</i> | | | | |
| To what extent have your exams during the current school year challenged you to do your best work? | 1st Yr. | 1% | 0% | 0% | 11% | 23% | 42% | 23% | 5.72 | 5.64 | 5.60 | 5.45*** |
| | Senior | 1 | 6 | 3 | 8 | 33 | 36 | 15 | 5.31 | 5.31 | 5.40 | 5.45** |

| Additional Collegiate Experiences <i>During the current school year, about how often have you done each of the following?</i> | Class Rank | Percent of CASNR Students who gave the response. . . | | | | CASNR Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|----------------------|------------------|-----------------------|-------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = never</i> | <i>2 = sometimes</i> | <i>3 = often</i> | <i>4 = very often</i> | | | | |
| Attended an art exhibit, gallery, play, dance, or other theatre performance | 1st Yr. | 29% | 55% | 15% | 1% | 1.88 | 2.02 | 2.10 | 2.18*** |
| | Senior | 35 | 47 | 13 | 5 | 1.89 | 1.90 | 1.99** | 2.07*** |
| Exercised or participated in physical fitness activities | 1st Yr. | 5 | 29 | 31 | 35 | 2.96 | 2.99 | 3.01 | 2.83*** |
| | Senior | 6 | 30 | 34 | 30 | 2.88 | 2.81 | 2.95*** | 2.74 |
| Participated in activities to enhance your spirituality (worship, meditation, prayer, etc.) | 1st Yr. | 21 | 30 | 23 | 27 | 2.55 | 2.43 | 2.27** | 2.05*** |
| | Senior | 31 | 27 | 22 | 20 | 2.30 | 2.37 | 2.20*** | 2.15*** |
| Examined the strengths and weaknesses of your own views on a topic or issue | 1st Yr. | 11 | 41 | 37 | 11 | 2.48 | 2.63 | 2.61 | 2.61 |
| | Senior | 4 | 46 | 32 | 18 | 2.64 | 2.66 | 2.71 | 2.71 |
| Tried to better understand someone else's views by imagining how an issue looks from his or her perspective | 1st Yr. | 6 | 38 | 39 | 17 | 2.67 | 2.78 | 2.74 | 2.78 |
| | Senior | 5 | 37 | 42 | 17 | 2.70 | 2.78 | 2.82 | 2.86** |
| Learned something that changed the way you understand an issue or concept | 1st Yr. | 4 | 34 | 39 | 24 | 2.83 | 2.83 | 2.82 | 2.87 |
| | Senior | 2 | 39 | 35 | 24 | 2.82 | 2.78 | 2.87** | 2.91*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Enriching Educational Experiences <i>Which of the following have you done or do you plan to do before you graduate from your institution?</i> | Class Rank | Percent of CASNR students. . . | | | | Percent of OSU students. . . | | | | Percent of Peer Group students. . . | | | | Percent of other Doctoral-Extensive students. . . | | | |
|--|------------|--------------------------------|--------------------------|-------------------|-------------|------------------------------|--------------------------|-------------------|-------------|-------------------------------------|--------------------------|-------------------|-------------|---|--------------------------|-------------------|-------------|
| | | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> |
| Practicum, internship, field experience, co-op experience, or clinical assignment | 1st Yr. | 2% | 4% | 89% | 5% | 8% | 4% | 83% | 5% | 10% | 3% | 80% | 7% | 12% | 4% | 77% | 7% |
| | Senior | 4 | 8 | 16 | 72 | 6 | 16 | 21 | 56 | 7 | 15 | 21 | 57 | 8 | 15 | 25 | 52 |
| Community service or volunteer work | 1st Yr. | 5 | 1 | 33 | 61 | 10 | 5 | 34 | 51 | 10 | 5 | 39 | 47 | 13 | 6 | 41 | 39 |
| | Senior | 4 | 19 | 8 | 69 | 7 | 17 | 15 | 62 | 8 | 14 | 12 | 67 | 10 | 16 | 16 | 59 |
| Participate in a learning community or some other formal program where groups of students take two or more classes together | 1st Yr. | 16 | 35 | 24 | 24 | 25 | 29 | 23 | 22 | 28 | 28 | 21 | 24 | 31 | 26 | 23 | 20 |
| | Senior | 14 | 48 | 7 | 31 | 14 | 53 | 8 | 25 | 11 | 54 | 6 | 29 | 15 | 50 | 9 | 26 |
| Work on a research project with a faculty member outside of course or program requirements | 1st Yr. | 27 | 24 | 40 | 9 | 35 | 23 | 36 | 5 | 37 | 23 | 35 | 6 | 38 | 22 | 35 | 5 |
| | Senior | 9 | 41 | 11 | 39 | 13 | 53 | 13 | 21 | 13 | 50 | 12 | 24 | 17 | 48 | 15 | 20 |
| Foreign language coursework | 1st Yr. | 19 | 43 | 30 | 9 | 16 | 36 | 31 | 16 | 18 | 33 | 29 | 20 | 19 | 27 | 33 | 21 |
| | Senior | 11 | 58 | 4 | 28 | 6 | 50 | 10 | 34 | 6 | 43 | 7 | 45 | 9 | 40 | 10 | 42 |
| Study abroad | 1st Yr. | 26 | 16 | 54 | 5 | 23 | 25 | 48 | 4 | 28 | 22 | 48 | 2 | 29 | 25 | 43 | 3 |
| | Senior | 13 | 59 | 6 | 22 | 13 | 65 | 9 | 13 | 10 | 64 | 8 | 18 | 14 | 61 | 10 | 16 |
| Independent study or self-designed major | 1st Yr. | 42 | 46 | 11 | 1 | 30 | 55 | 13 | 2 | 31 | 54 | 13 | 2 | 33 | 48 | 16 | 3 |
| | Senior | 6 | 60 | 4 | 30 | 9 | 58 | 8 | 25 | 10 | 68 | 7 | 16 | 13 | 60 | 10 | 17 |
| Culminating senior experience (capstone course, thesis, project, comprehensive exam, etc.) | 1st Yr. | 35 | 21 | 42 | 2 | 38 | 14 | 46 | 2 | 40 | 14 | 44 | 2 | 37 | 12 | 49 | 2 |
| | Senior | 4 | 18 | 20 | 58 | 8 | 25 | 27 | 40 | 9 | 28 | 27 | 37 | 11 | 23 | 33 | 34 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Quality of Relationships <i>What best represents the quality of your relationships with people at your institution?</i> | Class Rank | Percent of CASNR Students who gave the response. . . | | | | | | | CASNR Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|------------|--|-----|-----|-----|-----|-----|------------------------------------|------------------------|----------------------|-----------------------|--------------------------|
| | | 1 = <i>unfriendly, unsupportive</i> | 2 = | 3 = | 4 = | 5 = | 6 = | 7 = <i>friendly, supportive</i> | | | | |
| Relationships with other students | 1st Yr. | 0% | 1% | 6% | 5% | 17% | 41% | 30% | 5.79 | 5.69 | 5.58 | 5.45*** |
| | Senior | 1 | 2 | 6 | 6 | 20 | 38 | 27 | 5.65 | 5.68 | 5.68 | 5.54** |
| Relationships with faculty members | 1st Yr. | 0% | 4% | 4% | 20% | 28% | 30% | 15% | 5.21 | 5.14 | 5.01* | 5.08 |
| | Senior | 1 | 4 | 6 | 12 | 24 | 30 | 22 | 5.33 | 5.27 | 5.23 | 5.29 |
| Relationships with administrative personnel and offices | 1st Yr. | 1% | 3% | 10% | 24% | 27% | 22% | 14% | 4.94 | 4.93 | 4.68*** | 4.61*** |
| | Senior | 4 | 8 | 11 | 20 | 19 | 24 | 16 | 4.77 | 4.68 | 4.52** | 4.47*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Time Usage <i>About how many hours do you spend in a typical 7-day week doing each of the following?</i> | Class Rank | Percent of CASNR Students who gave the response. . . | | | | | | | | CASNR Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|------------|--|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------|------------------------|----------------------|-----------------------|--------------------------|
| | | 1 = 0 hrs/wk | 2 = 1 - 5 hrs/wk | 3 = 6 - 10 hrs/wk | 4 = 11 - 15 hrs/wk | 5 = 16 - 20 hrs/wk | 6 = 21 - 25 hrs/wk | 7 = 26 - 30 hrs/wk | 8 = > 30 hrs/wk | | | | |
| Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities) | 1st Yr. | 0% | 18% | 22% | 23% | 18% | 11% | 4% | 4% | 4.07 | 4.38 | 4.37 | 4.22* |
| | Senior | 1 | 16 | 33 | 19 | 18 | 5 | 2 | 7 | 3.95 | 4.22 | 4.24 | 4.25 |
| Working for pay on campus | 1st Yr. | 79 | 0 | 4 | 12 | 4 | 0 | 0 | 1 | 1.68 | 1.62 | 1.47* | 1.52 |
| | Senior | 54 | 3 | 7 | 13 | 12 | 5 | 3 | 4 | 2.71 | 2.22 | 2.05* | 1.86*** |
| Working for pay off campus | 1st Yr. | 78 | 6 | 3 | 4 | 4 | 0 | 5 | 1 | 1.75 | 1.68 | 1.66 | 2.15*** |
| | Senior | 47 | 8 | 4 | 7 | 12 | 6 | 5 | 12 | 3.26 | 3.17 | 2.82*** | 3.55*** |
| Participating in co-curricular activities (organizations, campus publications, student government, social fraternity or sorority, intercollegiate or intramural sports, etc.) | 1st Yr. | 18 | 32 | 20 | 16 | 4 | 5 | 2 | 4 | 2.98 | 2.77 | 2.57* | 2.32*** |
| | Senior | 32 | 32 | 13 | 9 | 7 | 2 | 2 | 4 | 2.58 | 2.33 | 2.42 | 2.14*** |
| Relaxing and socializing (watching TV, partying, etc.) | 1st Yr. | 0 | 42 | 23 | 15 | 15 | 4 | 0 | 2 | 3.26 | 3.57 | 3.91*** | 3.90*** |
| | Senior | 0 | 31 | 35 | 14 | 14 | 5 | 2 | 0 | 3.32 | 3.58 | 3.75** | 3.57 |
| Providing care for dependents living with you (parents, children, spouse, etc.) | 1st Yr. | 83 | 9 | 5 | 1 | 1 | 0 | 0 | 1 | 1.36 | 1.32 | 1.33 | 1.63*** |
| | Senior | 62 | 14 | 5 | 5 | 4 | 3 | 3 | 7 | 2.31 | 2.25 | 1.65*** | 2.28 |
| Commuting to class (driving, walking, etc.) | 1st Yr. | 6 | 72 | 17 | 1 | 1 | 1 | 0 | 1 | 2.29 | 2.28 | 2.31 | 2.35 |
| | Senior | 5 | 69 | 13 | 7 | 5 | 0 | 0 | 2 | 2.46 | 2.29 | 2.33 | 2.45*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Institutional Environment <i>To what extent does your institution emphasize each of the following?</i> | Class Rank | Percent of CASNR Students who gave the response. . . | | | | CASNR Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|-----------------|------------------------|----------------------|-------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Spending significant amounts of time studying and on academic work | 1st Yr. | 1% | 9% | 58% | 33% | 3.21 | 3.15 | 3.19 | 3.13 |
| | Senior | 1 | 14 | 46 | 39 | 3.23 | 3.06 | 3.11 | 3.13* |
| Providing the support you need to help you succeed academically | 1st Yr. | 3 | 13 | 58 | 28 | 3.10 | 3.10 | 3.11 | 3.04 |
| | Senior | 4 | 22 | 44 | 29 | 2.98 | 2.83 | 2.89 | 2.87 |
| Encouraging contact among students from different economic, social, and racial or ethnic backgrounds | 1st Yr. | 8 | 27 | 47 | 19 | 2.77 | 2.67 | 2.73 | 2.69 |
| | Senior | 18 | 33 | 31 | 19 | 2.50 | 2.36 | 2.45** | 2.51*** |
| Helping you cope with your non-academic responsibilities (work, family, etc.) | 1st Yr. | 15 | 48 | 25 | 13 | 2.35 | 2.23 | 2.26 | 2.23 |
| | Senior | 34 | 37 | 18 | 12 | 2.07 | 1.89 | 1.93 | 1.96 |
| Providing the support you need to thrive socially | 1st Yr. | 8 | 33 | 45 | 15 | 2.68 | 2.50 | 2.58 | 2.48 |
| | Senior | 28 | 30 | 27 | 15 | 2.28 | 2.18 | 2.28** | 2.22 |
| Attending campus events and activities (special speakers, cultural performances, athletic events, etc.) | 1st Yr. | 4 | 15 | 40 | 41 | 3.19 | 3.01 | 3.03 | 2.87*** |
| | Senior | 11 | 28 | 31 | 30 | 2.81 | 2.69 | 2.83*** | 2.68 |
| Using computers in academic work | 1st Yr. | 1 | 6 | 50 | 43 | 3.34 | 3.34 | 3.41 | 3.35 |
| | Senior | 1 | 4 | 29 | 66 | 3.59 | 3.49 | 3.51 | 3.48 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Educational and Personal Growth <i>To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?</i> | Class Rank | Percent of CASNR Students who gave the response. . . | | | | CASNR Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|-----------------|------------------------|----------------------|-------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Acquiring a broad general education | 1st Yr. | 0% | 12% | 56% | 33% | 3.21 | 3.14 | 3.20 | 3.15 |
| | Senior | 1 | 20 | 38 | 41 | 3.20 | 3.13 | 3.22** | 3.23*** |
| Acquiring job or work-related knowledge and skills | 1st Yr. | 3 | 26 | 34 | 38 | 3.06 | 2.95 | 2.87 | 2.82** |
| | Senior | 2 | 22 | 38 | 38 | 3.12 | 3.05 | 3.04 | 3.06 |
| Writing clearly and effectively | 1st Yr. | 4 | 21 | 47 | 28 | 2.99 | 2.93 | 2.87 | 2.97 |
| | Senior | 7 | 21 | 42 | 30 | 2.94 | 2.95 | 3.01* | 3.06*** |
| Speaking clearly and effectively | 1st Yr. | 9 | 25 | 45 | 21 | 2.78 | 2.73 | 2.71 | 2.78 |
| | Senior | 7 | 26 | 39 | 28 | 2.88 | 2.85 | 2.91* | 2.95** |
| Thinking critically and analytically | 1st Yr. | 4 | 16 | 39 | 42 | 3.18 | 3.22 | 3.21 | 3.22 |
| | Senior | 5 | 19 | 41 | 36 | 3.08 | 3.26 | 3.34** | 3.35** |
| Analyzing quantitative problems | 1st Yr. | 7 | 17 | 47 | 30 | 3.00 | 3.02 | 3.06 | 2.97 |
| | Senior | 5 | 23 | 33 | 40 | 3.08 | 3.11 | 3.10 | 3.09 |
| Using computing and information technology | 1st Yr. | 4 | 22 | 42 | 33 | 3.03 | 3.04 | 3.12* | 3.05 |
| | Senior | 2 | 17 | 37 | 45 | 3.24 | 3.20 | 3.23 | 3.21 |
| Working effectively with others | 1st Yr. | 1 | 22 | 47 | 30 | 3.05 | 2.97 | 3.00 | 2.97 |
| | Senior | 3 | 22 | 37 | 38 | 3.11 | 3.13 | 3.16 | 3.14 |
| Voting in local, state, or national elections | 1st Yr. | 16 | 31 | 24 | 29 | 2.65 | 2.49 | 2.65** | 2.59 |
| | Senior | 31 | 34 | 21 | 15 | 2.19 | 2.09 | 2.35*** | 2.30*** |
| Learning effectively on your own | 1st Yr. | 5 | 15 | 45 | 35 | 3.10 | 2.95 | 3.03 | 2.98 |
| | Senior | 3 | 25 | 39 | 33 | 3.03 | 2.95 | 3.03** | 3.03** |
| Understanding yourself | 1st Yr. | 10 | 24 | 39 | 28 | 2.84 | 2.75 | 2.79 | 2.79 |
| | Senior | 12 | 28 | 34 | 26 | 2.75 | 2.67 | 2.77** | 2.77** |
| Understanding people of other racial and ethnic backgrounds | 1st Yr. | 6 | 33 | 44 | 18 | 2.73 | 2.62 | 2.63 | 2.68 |
| | Senior | 18 | 34 | 35 | 13 | 2.42 | 2.46 | 2.54* | 2.63*** |
| Solving complex real-world problems | 1st Yr. | 5 | 35 | 38 | 23 | 2.78 | 2.67 | 2.76 | 2.71 |
| | Senior | 10 | 24 | 41 | 25 | 2.81 | 2.71 | 2.83*** | 2.81** |
| Developing a personal code of values and ethics | 1st Yr. | 5 | 30 | 37 | 28 | 2.87 | 2.62 | 2.71 | 2.70 |
| | Senior | 16 | 32 | 28 | 24 | 2.60 | 2.51 | 2.65*** | 2.70*** |
| Contributing to the welfare of your community | 1st Yr. | 17 | 24 | 38 | 22 | 2.65 | 2.56 | 2.56 | 2.48 |
| | Senior | 20 | 34 | 24 | 22 | 2.48 | 2.31 | 2.47*** | 2.47*** |
| Developing a deepened sense of spirituality | 1st Yr. | 29 | 29 | 21 | 21 | 2.35 | 2.20 | 2.16 | 2.11 |
| | Senior | 46 | 26 | 17 | 11 | 1.93 | 1.77 | 1.86** | 1.91*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Academic Advising | Class Rank | Percent of CASNR Students who gave the response. . . | | | | CASNR Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|-----------------|-----------------|----------------------|-------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = poor</i> | <i>2 = fair</i> | <i>3 = good</i> | <i>4 = excellent</i> | | | | |
| Overall, how would you evaluate the quality of academic advising you have received at your institution? | 1st Yr. | 3% | 11% | 48% | 39% | 3.23 | 3.20 | 3.12* | 2.98*** |
| | Senior | 6 | 13 | 36 | 45 | 3.20 | 2.95 | 2.84** | 2.79*** |

| Satisfaction | Class Rank | Percent of CASNR Students who gave the response. . . | | | | CASNR Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|-----------------|-----------------|----------------------|-------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = poor</i> | <i>2 = fair</i> | <i>3 = good</i> | <i>4 = excellent</i> | | | | |
| How would you evaluate your entire educational experience at this institution? | 1st Yr. | 1% | 3% | 58% | 39% | 3.34 | 3.31 | 3.30 | 3.20** |
| | Senior | 2 | 11 | 44 | 43 | 3.29 | 3.21 | 3.25 | 3.19 |

| | Class Rank | <i>1 = definitely no</i> | <i>2 = probably no</i> | <i>3 = probably yes</i> | <i>4 = definitely yes</i> | CASNR Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------------|-------------------------|---------------------------|-------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | If you could start over again, would you go to the <i>same institution</i> you are now attending? | 1st Yr. | 1% | 5% | | | | |
| | Senior | 5 | 12 | 26 | 58 | 3.37 | 3.31 | 3.30 | 3.18*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Sample Size Information (# of students) | 1st Yr. | Senior | Total |
|---|---------|--------|--------|
| College of Arts and Sciences | 125 | 235 | 360 |
| OSU | 476 | 938 | 1,414 |
| Selected Peer Group | 8,235 | 10,385 | 18,620 |
| Doctoral-Extensive | 24,587 | 29,320 | 53,907 |

| Academic and Intellectual Experiences <i>In your experience at this institution during the current school year, about how often have you done each of the following?</i> | Class Rank | Percent of CAS Students who gave the response. . . | | | | CAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|------------|--|---------------|-----------|----------------|----------------------|----------------------|-----------------------|--------------------------|
| | | 1 = never | 2 = sometimes | 3 = often | 4 = very often | | | | |
| Asked questions in class or contributed to class discussions | 1st Yr. | 2% | 38% | 38% | 22% | 2.79 | 2.70 | 2.56*** | 2.75 |
| | Senior | 2 | 38 | 30 | 30 | 2.87 | 2.87 | 2.92 | 3.04*** |
| Made a class presentation | 1st Yr. | 22 | 61 | 12 | 5 | 2.00 | 2.04 | 1.99 | 2.18*** |
| | Senior | 7 | 56 | 26 | 11 | 2.40 | 2.66 | 2.67 | 2.73* |
| Prepared two or more drafts of a paper or assignment before turning it in | 1st Yr. | 17 | 29 | 30 | 24 | 2.60 | 2.62 | 2.40*** | 2.62 |
| | Senior | 22 | 35 | 26 | 17 | 2.38 | 2.39 | 2.34 | 2.44 |
| Worked on a paper or project that required integrating ideas or information from various sources | 1st Yr. | 2 | 27 | 35 | 36 | 3.06 | 3.07 | 2.90*** | 3.07 |
| | Senior | 2 | 17 | 37 | 44 | 3.22 | 3.24 | 3.26 | 3.29 |
| Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments | 1st Yr. | 3 | 30 | 42 | 25 | 2.90 | 2.69 | 2.61 | 2.79* |
| | Senior | 9 | 38 | 29 | 24 | 2.68 | 2.51 | 2.64*** | 2.76*** |
| Come to class without completing readings or assignments | 1st Yr. | 18 | 57 | 19 | 7 | 2.14 | 2.20 | 2.16 | 2.08** |
| | Senior | 16 | 50 | 21 | 13 | 2.31 | 2.32 | 2.28 | 2.18*** |
| Worked with other students on projects during class | 1st Yr. | 13 | 50 | 29 | 7 | 2.31 | 2.43 | 2.38 | 2.42 |
| | Senior | 17 | 45 | 29 | 9 | 2.29 | 2.52 | 2.47 | 2.53 |
| Worked with classmates outside of class to prepare class assignments | 1st Yr. | 11 | 53 | 27 | 8 | 2.32 | 2.48 | 2.51 | 2.45 |
| | Senior | 12 | 38 | 31 | 19 | 2.58 | 2.96 | 2.95 | 2.83*** |
| Put together ideas or concepts from different courses when completing assignments or during class discussions | 1st Yr. | 7 | 43 | 37 | 13 | 2.56 | 2.54 | 2.56 | 2.64** |
| | Senior | 6 | 31 | 42 | 21 | 2.78 | 2.88 | 2.95* | 2.96** |
| Tutored or taught other students (paid or voluntary) | 1st Yr. | 51 | 34 | 11 | 4 | 1.68 | 1.73 | 1.79 | 1.72 |
| | Senior | 44 | 34 | 12 | 10 | 1.88 | 1.98 | 1.89** | 1.88** |
| Participated in a community-based project (e.g. service learning) as part of a regular course | 1st Yr. | 69 | 20 | 6 | 4 | 1.46 | 1.53 | 1.56 | 1.54 |
| | Senior | 70 | 22 | 6 | 3 | 1.42 | 1.53 | 1.63*** | 1.65*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Academic and Intellectual Experiences <i>(continued)</i> | Class Rank | Percent of CAS Students who gave the response. . . | | | | CAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|----------------------|------------------|-----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = never</i> | <i>2 = sometimes</i> | <i>3 = often</i> | <i>4 = very often</i> | | | | |
| Used an electronic medium (listserv, chat group, Internet, instant messaging, etc.) to discuss or complete an assignment | 1st Yr. | 16% | 33% | 25% | 27% | 2.63 | 2.60 | 2.69 | 2.69 |
| | Senior | 11 | 34 | 23 | 32 | 2.77 | 2.76 | 2.85* | 2.87** |
| Used e-mail to communicate with an instructor | 1st Yr. | 1 | 24 | 37 | 39 | 3.13 | 3.16 | 3.12 | 3.16 |
| | Senior | 1 | 17 | 32 | 51 | 3.33 | 3.36 | 3.42* | 3.41 |
| Discussed grades or assignments with an instructor | 1st Yr. | 4 | 43 | 35 | 18 | 2.66 | 2.68 | 2.53*** | 2.59* |
| | Senior | 3 | 43 | 31 | 24 | 2.76 | 2.83 | 2.79 | 2.78 |
| Talked about career plans with a faculty member or advisor | 1st Yr. | 12 | 59 | 19 | 10 | 2.26 | 2.39 | 2.20*** | 2.16*** |
| | Senior | 15 | 46 | 23 | 16 | 2.40 | 2.40 | 2.39 | 2.37 |
| Discussed ideas from your readings or classes with faculty members outside of class | 1st Yr. | 44 | 45 | 15 | 8 | 1.72 | 1.81 | 1.76 | 1.84 |
| | Senior | 31 | 46 | 15 | 8 | 2.00 | 1.99 | 2.00 | 2.06* |
| Received prompt feedback from faculty on your academic performance (written or oral) | 1st Yr. | 5 | 35 | 43 | 17 | 2.71 | 2.60 | 2.50* | 2.62 |
| | Senior | 6 | 34 | 44 | 17 | 2.72 | 2.62 | 2.68* | 2.74*** |
| Worked harder than you thought you could to meet an instructor's standards or expectations | 1st Yr. | 8 | 44 | 27 | 20 | 2.60 | 2.61 | 2.59 | 2.64 |
| | Senior | 8 | 42 | 33 | 17 | 2.60 | 2.60 | 2.62 | 2.71*** |
| Worked with faculty members on activities other than course work (committees, orientation, student life activities, etc.) | 1st Yr. | 63 | 23 | 9 | 5 | 1.57 | 1.68 | 1.58* | 1.60 |
| | Senior | 48 | 28 | 12 | 12 | 1.88 | 1.88 | 1.86 | 1.81* |
| Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.) | 1st Yr. | 4 | 35 | 42 | 20 | 2.77 | 2.65 | 2.72 | 2.75* |
| | Senior | 4 | 29 | 37 | 30 | 2.93 | 2.79 | 2.83 | 2.90*** |
| Had serious conversations with students of a different race or ethnicity than your own | 1st Yr. | 15 | 44 | 23 | 18 | 2.43 | 2.39 | 2.56*** | 2.62*** |
| | Senior | 8 | 37 | 32 | 23 | 2.70 | 2.54 | 2.67*** | 2.71*** |
| Had serious conversations with students who are very different from you in terms of their religious beliefs, political opinions, or personal values | 1st Yr. | 9 | 33 | 32 | 27 | 2.76 | 2.58 | 2.70* | 2.72** |
| | Senior | 6 | 32 | 39 | 24 | 2.81 | 2.67 | 2.79*** | 2.76** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Mental Activities <i>During the current year, how much has your coursework emphasized the following mental activities?</i> | Class Rank | Percent of CAS Students who gave the response. . . | | | | CAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|-----------------|------------------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Memorizing facts, ideas, or methods from your courses and readings | 1st Yr. | 2% | 23% | 47% | 29% | 3.03 | 2.98 | 3.00 | 2.96 |
| | Senior | 7 | 23 | 36 | 34 | 2.96 | 2.81 | 2.84 | 2.79 |
| Analyzing the basic elements of an idea, experience, or theory | 1st Yr. | 1 | 13 | 46 | 41 | 3.26 | 3.14 | 3.14 | 3.15 |
| | Senior | 3 | 19 | 42 | 36 | 3.11 | 3.16 | 3.26*** | 3.28*** |
| Synthesizing and organizing ideas, information, or experiences | 1st Yr. | 3 | 23 | 44 | 30 | 3.01 | 2.90 | 2.89 | 2.93 |
| | Senior | 6 | 29 | 39 | 27 | 2.86 | 2.88 | 3.00*** | 3.06*** |
| Making judgments about the value of information, arguments, or methods | 1st Yr. | 7 | 25 | 45 | 24 | 2.85 | 2.84 | 2.86 | 2.91 |
| | Senior | 9 | 26 | 36 | 29 | 2.85 | 2.87 | 2.96** | 3.01*** |
| Applying theories or concepts to practical problems or in new situations | 1st Yr. | 1 | 23 | 33 | 43 | 3.19 | 3.10 | 3.10 | 3.08 |
| | Senior | 7 | 20 | 38 | 36 | 3.03 | 3.19 | 3.22 | 3.23 |

| Reading and Writing <i>During the current school year, about how much reading and writing have you done?</i> | Class Rank | Percent of CAS Students who gave the response. . . | | | | | CAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------|-------------------|--------------------|--------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = none</i> | <i>2 = 1 - 4</i> | <i>3 = 5 - 10</i> | <i>4 = 11 - 20</i> | <i>5 = > 20</i> | | | | |
| Number of assigned textbooks, books, or book-length packs of course readings | 1st Yr. | 2% | 23% | 44% | 21% | 11% | 3.16 | 3.04 | 3.15* | 3.26*** |
| | Senior | 1 | 21 | 43 | 20 | 15 | 3.27 | 2.94 | 3.08*** | 3.16*** |
| Number of books read on your own (not assigned) for personal enjoyment or academic enrichment | 1st Yr. | 14 | 66 | 16 | 2 | 4 | 2.16 | 2.00 | 2.02 | 2.06 |
| | Senior | 16 | 53 | 18 | 8 | 5 | 2.33 | 2.20 | 2.20 | 2.20 |
| Number of written papers or reports of 20 pages or more | 1st Yr. | 88 | 8 | 3 | 0 | 1 | 1.18 | 1.23 | 1.19 | 1.28 |
| | Senior | 63 | 32 | 4 | 0 | 1 | 1.44 | 1.61 | 1.58 | 1.64 |
| Number of written papers or reports between 5 and 19 pages | 1st Yr. | 12 | 51 | 30 | 6 | 1 | 2.33 | 2.31 | 2.07*** | 2.30 |
| | Senior | 7 | 50 | 29 | 12 | 2 | 2.52 | 2.40 | 2.45 | 2.50*** |
| Number of written papers or reports of fewer than 5 pages | 1st Yr. | 1 | 33 | 27 | 29 | 10 | 3.15 | 2.96 | 2.84* | 3.04 |
| | Senior | 6 | 34 | 28 | 19 | 14 | 3.02 | 2.94 | 2.99 | 2.97 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Problem Sets <i>In a typical week, how many homework problem sets do you complete?</i> | Class Rank | Percent of CAS Students who gave the response. . . | | | | | CAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------|------------------|------------------|-------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = none</i> | <i>2 = 1 - 2</i> | <i>3 = 3 - 4</i> | <i>4 = 5 - 6</i> | <i>5 = > 6</i> | | | | |
| Number of problem sets that take you more than an hour to complete | 1st Yr. | 11% | 37% | 40% | 5% | 7% | 2.61 | 2.95 | 2.71*** | 2.70*** |
| | Senior | 32 | 34 | 21 | 6 | 7 | 2.23 | 2.68 | 2.53*** | 2.63 |
| Number of problem sets that take you less than an hour to complete | 1st Yr. | 12 | 42 | 23 | 14 | 10 | 2.68 | 2.64 | 2.79* | 2.77* |
| | Senior | 44 | 37 | 11 | 4 | 3 | 1.85 | 2.29 | 2.29 | 2.35 |

| Examinations | Class Rank | Percent of CAS Students who gave the response... | | | | | | | CAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------|------------|------------|------------|------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = very much</i> | | | | |
| To what extent have your exams during the current school year challenged you to do your best work? | 1st Yr. | 0% | 0% | 1% | 9% | 32% | 41% | 16% | 5.63 | 5.64 | 5.60 | 5.45*** |
| | Senior | 1 | 3 | 4 | 13 | 31 | 34 | 14 | 5.28 | 5.31 | 5.40 | 5.45** |

| Additional Collegiate Experiences <i>During the current school year, about how often have you done each of the following?</i> | Class Rank | Percent of CAS Students who gave the response. . . | | | | CAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|----------------------|------------------|-----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = never</i> | <i>2 = sometimes</i> | <i>3 = often</i> | <i>4 = very often</i> | | | | |
| Attended an art exhibit, gallery, play, dance, or other theatre performance | 1st Yr. | 17% | 56% | 18% | 8% | 2.17 | 2.02 | 2.10 | 2.18*** |
| | Senior | 25 | 46 | 19 | 10 | 2.15 | 1.90 | 1.99** | 2.07*** |
| Exercised or participated in physical fitness activities | 1st Yr. | 7 | 37 | 36 | 31 | 2.91 | 2.99 | 3.01 | 2.83*** |
| | Senior | 9 | 34 | 31 | 26 | 2.75 | 2.81 | 2.95*** | 2.74 |
| Participated in activities to enhance your spirituality (worship, meditation, prayer, etc.) | 1st Yr. | 33 | 32 | 12 | 22 | 2.23 | 2.43 | 2.27** | 2.05*** |
| | Senior | 26 | 33 | 13 | 28 | 2.43 | 2.37 | 2.20*** | 2.15*** |
| Examined the strengths and weaknesses of your own views on a topic or issue | 1st Yr. | 4 | 40 | 35 | 21 | 2.73 | 2.63 | 2.61 | 2.61 |
| | Senior | 6 | 36 | 39 | 20 | 2.72 | 2.66 | 2.71 | 2.71 |
| Tried to better understand someone else's views by imagining how an issue looks from his or her perspective | 1st Yr. | 4 | 32 | 34 | 31 | 2.92 | 2.78 | 2.74 | 2.78 |
| | Senior | 3 | 29 | 48 | 21 | 2.88 | 2.78 | 2.82 | 2.86** |
| Learned something that changed the way you understand an issue or concept | 1st Yr. | 1 | 34 | 40 | 25 | 2.89 | 2.83 | 2.82 | 2.87 |
| | Senior | 3 | 35 | 39 | 24 | 2.83 | 2.78 | 2.87** | 2.91*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Enriching Educational Experiences <i>Which of the following have you done or do you plan to do before you graduate from your institution?</i> | Class Rank | Percent of CAS students. . . | | | | Percent of OSU students. . . | | | | Percent of Peer Group students. . . | | | | Percent of other Doctoral-Extensive students. . . | | | |
|---|-------------------|------------------------------|--------------------------|-------------------|-------------|------------------------------|--------------------------|-------------------|-------------|-------------------------------------|--------------------------|-------------------|-------------|---|--------------------------|-------------------|-------------|
| | | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> |
| Practicum, internship, field experience, co-op experience, or clinical assignment | 1st Yr. | 12% | 5% | 76% | 8% | 8% | 4% | 83% | 5% | 10% | 3% | 80% | 7% | 12% | 4% | 77% | 7% |
| | Senior | 8 | 28 | 18 | 46 | 6 | 16 | 21 | 56 | 7 | 15 | 21 | 57 | 8 | 15 | 25 | 52 |
| Community service or volunteer work | 1st Yr. | 8 | 4 | 44 | 44 | 10 | 5 | 34 | 51 | 10 | 5 | 39 | 47 | 13 | 6 | 41 | 39 |
| | Senior | 8 | 19 | 13 | 61 | 7 | 17 | 15 | 62 | 8 | 14 | 12 | 67 | 10 | 16 | 16 | 59 |
| Participate in a learning community or some other formal program where groups of students take two or more classes together | 1st Yr. | 28 | 36 | 15 | 21 | 25 | 29 | 23 | 22 | 28 | 28 | 21 | 24 | 31 | 26 | 23 | 20 |
| | Senior | 12 | 57 | 8 | 23 | 14 | 53 | 8 | 25 | 11 | 54 | 6 | 29 | 15 | 50 | 9 | 26 |
| Work on a research project with a faculty member outside of course or program requirements | 1st Yr. | 38 | 18 | 40 | 4 | 35 | 23 | 36 | 5 | 37 | 23 | 35 | 6 | 38 | 22 | 35 | 5 |
| | Senior | 12 | 50 | 14 | 24 | 13 | 53 | 13 | 21 | 13 | 50 | 12 | 24 | 17 | 48 | 15 | 20 |
| Foreign language coursework | 1st Yr. | 12 | 23 | 36 | 29 | 16 | 36 | 31 | 16 | 18 | 33 | 29 | 20 | 19 | 27 | 33 | 21 |
| | Senior | 4 | 31 | 11 | 53 | 6 | 50 | 10 | 34 | 6 | 43 | 7 | 45 | 9 | 40 | 10 | 42 |
| Study abroad | 1st Yr. | 25 | 16 | 58 | 1 | 23 | 25 | 48 | 4 | 28 | 22 | 48 | 2 | 29 | 25 | 43 | 3 |
| | Senior | 14 | 65 | 9 | 11 | 13 | 65 | 9 | 13 | 10 | 64 | 8 | 18 | 14 | 61 | 10 | 16 |
| Independent study or self-designed major | 1st Yr. | 33 | 56 | 11 | 0 | 30 | 55 | 13 | 2 | 31 | 54 | 13 | 2 | 33 | 48 | 16 | 3 |
| | Senior | 12 | 53 | 11 | 25 | 9 | 58 | 8 | 25 | 10 | 68 | 7 | 16 | 13 | 60 | 10 | 17 |
| Culminating senior experience (capstone course, thesis, project, comprehensive exam, etc.) | 1st Yr. | 41 | 10 | 49 | 0 | 38 | 14 | 46 | 2 | 40 | 14 | 44 | 2 | 37 | 12 | 49 | 2 |
| | Senior | 10 | 40 | 18 | 32 | 8 | 25 | 27 | 40 | 9 | 28 | 27 | 37 | 11 | 23 | 33 | 34 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Quality of Relationships <i>What best represents the quality of your relationships with people at your institution?</i> | Class Rank | Percent of CAS Students who gave the response. . . | | | | | | | CAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|------------|--|------------|------------|------------|------------|------------|---------------------------------|----------------------|----------------------|-----------------------|--------------------------|
| | | <i>1 = unfriendly, unsupportive</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = friendly, supportive</i> | | | | |
| Relationships with other students | 1st Yr. | 0% | 2% | 4% | 10% | 18% | 37% | 29% | 5.72 | 5.69 | 5.58 | 5.45*** |
| | Senior | 1 | 2 | 3 | 13 | 21 | 36 | 24 | 5.57 | 5.68 | 5.68 | 5.54** |
| Relationships with faculty members | 1st Yr. | <i>1 = unavailable, unhelpful</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = available, helpful</i> | 5.22 | 5.14 | 5.01* | 5.08 |
| | Senior | 1 | 3 | 5 | 13 | 26 | 35 | 17 | 5.30 | 5.27 | 5.23 | 5.29 |
| Relationships with administrative personnel and offices | 1st Yr. | <i>1 = unhelpful, inconsiderate</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = helpful, considerate</i> | 4.99 | 4.93 | 4.68*** | 4.61*** |
| | Senior | 4 | 8 | 14 | 18 | 23 | 18 | 15 | 4.62 | 4.68 | 4.52** | 4.47*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Time Usage <i>About how many hours do you spend in a typical 7-day week doing each of the following?</i> | Class Rank | Percent of CAS Students who gave the response. . . | | | | | | | | CAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = 0 hrs/wk</i> | <i>2 = 1 - 5 hrs/wk</i> | <i>3 = 6 - 10 hrs/wk</i> | <i>4 = 11 - 15 hrs/wk</i> | <i>5 = 16 - 20 hrs/wk</i> | <i>6 = 21 - 25 hrs/wk</i> | <i>7 = 26 - 30 hrs/wk</i> | <i>8 = > 30 hrs/wk</i> | | | | |
| Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities) | 1st Yr. | 0% | 15% | 20% | 22% | 21% | 16% | 6% | 1% | 4.24 | 4.38 | 4.37 | 4.22* |
| | Senior | 1 | 17 | 26 | 20 | 16 | 11 | 4 | 6 | 4.13 | 4.22 | 4.24 | 4.25 |
| Working for pay on campus | 1st Yr. | 83 | 0 | 3 | 9 | 5 | 0 | 0 | 0 | 1.54 | 1.62 | 1.47* | 1.52 |
| | Senior | 70 | 3 | 5 | 4 | 8 | 3 | 1 | 4 | 2.12 | 2.22 | 2.05* | 1.86*** |
| Working for pay off campus | 1st Yr. | 72 | 11 | 10 | 1 | 6 | 1 | 0 | 0 | 1.61 | 1.68 | 1.66 | 2.15*** |
| | Senior | 51 | 9 | 4 | 7 | 10 | 6 | 3 | 10 | 2.97 | 3.17 | 2.82*** | 3.55*** |
| Participating in co-curricular activities (organizations, campus publications, student government, social fraternity or sorority, intercollegiate or intramural sports, etc.) | 1st Yr. | 26 | 37 | 15 | 7 | 5 | 4 | 2 | 5 | 2.69 | 2.77 | 2.57* | 2.32*** |
| | Senior | 37 | 34 | 12 | 7 | 5 | 1 | 1 | 2 | 2.25 | 2.33 | 2.42 | 2.14*** |
| Relaxing and socializing (watching TV, partying, etc.) | 1st Yr. | 1 | 20 | 31 | 23 | 15 | 3 | 5 | 3 | 3.73 | 3.57 | 3.91*** | 3.90*** |
| | Senior | 0 | 24 | 29 | 22 | 14 | 6 | 3 | 2 | 3.69 | 3.58 | 3.75** | 3.57 |
| Providing care for dependents living with you (parents, children, spouse, etc.) | 1st Yr. | 88 | 7 | 4 | 1 | 0 | 0 | 1 | 0 | 1.23 | 1.32 | 1.33 | 1.63*** |
| | Senior | 67 | 11 | 5 | 4 | 2 | 1 | 1 | 8 | 2.09 | 2.25 | 1.65*** | 2.28 |
| Commuting to class (driving, walking, etc.) | 1st Yr. | 5 | 75 | 15 | 5 | 0 | 0 | 0 | 0 | 2.20 | 2.28 | 2.31 | 2.35 |
| | Senior | 5 | 78 | 14 | 3 | 1 | 1 | 0 | 1 | 2.20 | 2.29 | 2.33 | 2.45*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Institutional Environment <i>To what extent does your institution emphasize each of the following?</i> | Class Rank | Percent of CAS Students who gave the response. . . | | | | CAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|-----------------|------------------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Spending significant amounts of time studying and on academic work | 1st Yr. | 0% | 23% | 44% | 33% | 3.10 | 3.15 | 3.19 | 3.13 |
| | Senior | 3 | 22 | 46 | 29 | 3.01 | 3.06 | 3.11 | 3.13* |
| Providing the support you need to help you succeed academically | 1st Yr. | 0 | 33 | 36 | 31 | 2.97 | 3.10 | 3.11 | 3.04 |
| | Senior | 5 | 29 | 43 | 23 | 2.84 | 2.83 | 2.89 | 2.87 |
| Encouraging contact among students from different economic, social, and racial or ethnic backgrounds | 1st Yr. | 11 | 28 | 33 | 27 | 2.76 | 2.67 | 2.73 | 2.69 |
| | Senior | 25 | 37 | 26 | 12 | 2.25 | 2.36 | 2.45** | 2.51*** |
| Helping you cope with your non-academic responsibilities (work, family, etc.) | 1st Yr. | 30 | 41 | 22 | 8 | 2.08 | 2.23 | 2.26 | 2.23 |
| | Senior | 44 | 36 | 14 | 7 | 1.83 | 1.89 | 1.93 | 1.96 |
| Providing the support you need to thrive socially | 1st Yr. | 14 | 36 | 38 | 11 | 2.47 | 2.50 | 2.58 | 2.48 |
| | Senior | 26 | 41 | 24 | 10 | 2.17 | 2.18 | 2.28** | 2.22 |
| Attending campus events and activities (special speakers, cultural performances, athletic events, etc.) | 1st Yr. | 4 | 25 | 40 | 32 | 3.00 | 3.01 | 3.03 | 2.87*** |
| | Senior | 6 | 30 | 44 | 20 | 2.77 | 2.69 | 2.83*** | 2.68 |
| Using computers in academic work | 1st Yr. | 1 | 13 | 32 | 54 | 3.39 | 3.34 | 3.41 | 3.35 |
| | Senior | 2 | 9 | 31 | 58 | 3.46 | 3.49 | 3.51 | 3.48 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Educational and Personal Growth <i>To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?</i> | Class Rank | Percent of CAS Students who gave the response. . . | | | | CAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|-----------------|------------------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Acquiring a broad general education | 1st Yr. | 1% | 14% | 49% | 36% | 3.20 | 3.14 | 3.20 | 3.15 |
| | Senior | 4 | 16 | 42 | 39 | 3.16 | 3.13 | 3.22** | 3.23*** |
| Acquiring job or work-related knowledge and skills | 1st Yr. | 9 | 37 | 28 | 27 | 2.73 | 2.95 | 2.87 | 2.82** |
| | Senior | 10 | 27 | 37 | 27 | 2.80 | 3.05 | 3.04 | 3.06 |
| Writing clearly and effectively | 1st Yr. | 5 | 24 | 38 | 33 | 3.00 | 2.93 | 2.87 | 2.97 |
| | Senior | 6 | 25 | 31 | 38 | 3.01 | 2.95 | 3.01* | 3.06*** |
| Speaking clearly and effectively | 1st Yr. | 8 | 27 | 36 | 29 | 2.87 | 2.73 | 2.71 | 2.78 |
| | Senior | 8 | 33 | 31 | 28 | 2.80 | 2.85 | 2.91* | 2.95** |
| Thinking critically and analytically | 1st Yr. | 2 | 8 | 43 | 47 | 3.36 | 3.22 | 3.21 | 3.22 |
| | Senior | 2 | 15 | 41 | 42 | 3.23 | 3.26 | 3.34** | 3.35** |
| Analyzing quantitative problems | 1st Yr. | 6 | 21 | 41 | 33 | 3.01 | 3.02 | 3.06 | 2.97 |
| | Senior | 6 | 25 | 38 | 31 | 2.94 | 3.11 | 3.10 | 3.09 |
| Using computing and information technology | 1st Yr. | 5 | 26 | 40 | 29 | 2.93 | 3.04 | 3.12* | 3.05 |
| | Senior | 6 | 23 | 34 | 39 | 3.05 | 3.20 | 3.23 | 3.21 |
| Working effectively with others | 1st Yr. | 2 | 37 | 28 | 33 | 2.92 | 2.97 | 3.00 | 2.97 |
| | Senior | 5 | 26 | 42 | 28 | 2.92 | 3.13 | 3.16 | 3.14 |
| Voting in local, state, or national elections | 1st Yr. | 18 | 36 | 25 | 22 | 2.50 | 2.49 | 2.65** | 2.59 |
| | Senior | 34 | 35 | 19 | 13 | 2.11 | 2.09 | 2.35*** | 2.30*** |
| Learning effectively on your own | 1st Yr. | 2 | 29 | 32 | 36 | 3.03 | 2.95 | 3.03 | 2.98 |
| | Senior | 7 | 23 | 45 | 27 | 2.91 | 2.95 | 3.03** | 3.03** |
| Understanding yourself | 1st Yr. | 11 | 28 | 33 | 28 | 2.79 | 2.75 | 2.79 | 2.79 |
| | Senior | 15 | 29 | 34 | 23 | 2.65 | 2.67 | 2.77** | 2.77** |
| Understanding people of other racial and ethnic backgrounds | 1st Yr. | 10 | 40 | 31 | 20 | 2.60 | 2.62 | 2.63 | 2.68 |
| | Senior | 11 | 39 | 36 | 14 | 2.53 | 2.46 | 2.54* | 2.63*** |
| Solving complex real-world problems | 1st Yr. | 8 | 44 | 29 | 19 | 2.59 | 2.67 | 2.76 | 2.71 |
| | Senior | 12 | 42 | 30 | 15 | 2.48 | 2.71 | 2.83*** | 2.81** |
| Developing a personal code of values and ethics | 1st Yr. | 16 | 34 | 29 | 21 | 2.55 | 2.62 | 2.71 | 2.70 |
| | Senior | 23 | 32 | 26 | 20 | 2.42 | 2.51 | 2.65*** | 2.70*** |
| Contributing to the welfare of your community | 1st Yr. | 12 | 40 | 32 | 17 | 2.53 | 2.56 | 2.56 | 2.48 |
| | Senior | 21 | 38 | 28 | 12 | 2.31 | 2.31 | 2.47*** | 2.47*** |
| Developing a deepened sense of spirituality | 1st Yr. | 42 | 33 | 11 | 15 | 1.99 | 2.20 | 2.16 | 2.11 |
| | Senior | 56 | 27 | 10 | 8 | 1.69 | 1.77 | 1.86** | 1.91*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Academic Advising | Class Rank | Percent of CAS Students who gave the response. . . | | | | CAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|-----------------|-----------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = poor</i> | <i>2 = fair</i> | <i>3 = good</i> | <i>4 = excellent</i> | | | | |
| Overall, how would you evaluate the quality of academic advising you have received at your institution? | 1st Yr. | 3% | 12% | 47% | 39% | 3.21 | 3.20 | 3.12* | 2.98*** |
| | Senior | 9 | 17 | 43 | 31 | 2.95 | 2.95 | 2.84** | 2.79*** |

| Satisfaction | Class Rank | Percent of CAS Students who gave the response. . . | | | | CAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|-----------------|-----------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = poor</i> | <i>2 = fair</i> | <i>3 = good</i> | <i>4 = excellent</i> | | | | |
| How would you evaluate your entire educational experience at this institution? | 1st Yr. | 0% | 4% | 57% | 39% | 3.35 | 3.31 | 3.30 | 3.20** |
| | Senior | 1 | 14 | 53 | 32 | 3.16 | 3.21 | 3.25 | 3.19 |

| | Class Rank | <i>1 = definitely no</i> | <i>2 = probably no</i> | <i>3 = probably yes</i> | <i>4 = definitely yes</i> | CAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | If you could start over again, would you go to the <i>same institution</i> you are now attending? | 1st Yr. | 2% | 8% | | | | |
| | Senior | 6 | 15 | 34 | 46 | 3.19 | 3.31 | 3.30 | 3.18*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Sample Size Information (# of students) | 1st Yr. | Senior | Total |
|---|---------|--------|--------|
| College of Education | 41 | 95 | 136 |
| OSU | 476 | 938 | 1,414 |
| Selected Peer Group | 8,235 | 10,385 | 18,620 |
| Doctoral-Extensive | 24,587 | 29,320 | 53,907 |

| Academic and Intellectual Experiences <i>In your experience at this institution during the current school year, about how often have you done each of the following?</i> | Class Rank | Percent of COE Students who gave the response. . . | | | | COE Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|------------|--|---------------|-----------|----------------|----------------------|----------------------|-----------------------|--------------------------|
| | | 1 = never | 2 = sometimes | 3 = often | 4 = very often | | | | |
| Asked questions in class or contributed to class discussions | 1st Yr. | 5% | 23% | 41% | 31% | 2.97 | 2.70 | 2.56*** | 2.75 |
| | Senior | 3 | 23 | 31 | 43 | 3.13 | 2.87 | 2.92 | 3.04*** |
| Made a class presentation | 1st Yr. | 10 | 65 | 15 | 10 | 2.25 | 2.04 | 1.99 | 2.18*** |
| | Senior | 1 | 27 | 38 | 34 | 3.04 | 2.66 | 2.67 | 2.73* |
| Prepared two or more drafts of a paper or assignment before turning it in | 1st Yr. | 10 | 27 | 24 | 39 | 2.93 | 2.62 | 2.40*** | 2.62 |
| | Senior | 15 | 36 | 25 | 25 | 2.59 | 2.39 | 2.34 | 2.44 |
| Worked on a paper or project that required integrating ideas or information from various sources | 1st Yr. | 3 | 10 | 33 | 55 | 3.40 | 3.07 | 2.90*** | 3.07 |
| | Senior | 0 | 12 | 40 | 48 | 3.36 | 3.24 | 3.26 | 3.29 |
| Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments | 1st Yr. | 10 | 25 | 33 | 33 | 2.88 | 2.69 | 2.61 | 2.79* |
| | Senior | 4 | 34 | 32 | 30 | 2.87 | 2.51 | 2.64*** | 2.76*** |
| Come to class without completing readings or assignments | 1st Yr. | 22 | 49 | 17 | 12 | 2.2 | 2.20 | 2.16 | 2.08** |
| | Senior | 11 | 52 | 25 | 13 | 2.4 | 2.32 | 2.28 | 2.18*** |
| Worked with other students on projects during class | 1st Yr. | 12 | 51 | 27 | 10 | 2.34 | 2.43 | 2.38 | 2.42 |
| | Senior | 12 | 31 | 35 | 22 | 2.68 | 2.52 | 2.47 | 2.53 |
| Worked with classmates outside of class to prepare class assignments | 1st Yr. | 10 | 59 | 20 | 12 | 2.34 | 2.48 | 2.51 | 2.45 |
| | Senior | 5 | 28 | 36 | 31 | 2.92 | 2.96 | 2.95 | 2.83*** |
| Put together ideas or concepts from different courses when completing assignments or during class discussions | 1st Yr. | 5 | 44 | 36 | 15 | 2.62 | 2.54 | 2.56 | 2.64** |
| | Senior | 5 | 27 | 46 | 22 | 2.84 | 2.88 | 2.95* | 2.96** |
| Tutored or taught other students (paid or voluntary) | 1st Yr. | 46 | 41 | 3 | 10 | 1.77 | 1.73 | 1.79 | 1.72 |
| | Senior | 41 | 30 | 16 | 12 | 1.99 | 1.98 | 1.89** | 1.88** |
| Participated in a community-based project (e.g. service learning) as part of a regular course | 1st Yr. | 64 | 23 | 8 | 5 | 1.54 | 1.53 | 1.56 | 1.54 |
| | Senior | 41 | 41 | 14 | 3 | 1.79 | 1.53 | 1.63*** | 1.65*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Academic and Intellectual Experiences <i>(continued)</i> | Class Rank | Percent of COE Students who gave the response. . . | | | | COE Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|----------------------|------------------|-----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = never</i> | <i>2 = sometimes</i> | <i>3 = often</i> | <i>4 = very often</i> | | | | |
| Used an electronic medium (listserv, chat group, Internet, instant messaging, etc.) to discuss or complete an assignment | 1st Yr. | 18% | 33% | 28% | 21% | 2.51 | 2.60 | 2.69 | 2.69 |
| | Senior | 14 | 25 | 30 | 30 | 2.77 | 2.76 | 2.85* | 2.87** |
| Used e-mail to communicate with an instructor | 1st Yr. | 0 | 10 | 41 | 49 | 3.38 | 3.16 | 3.12 | 3.16 |
| | Senior | 0 | 10 | 22 | 69 | 3.59 | 3.36 | 3.42* | 3.41 |
| Discussed grades or assignments with an instructor | 1st Yr. | 5 | 33 | 41 | 21 | 2.77 | 2.68 | 2.53*** | 2.59* |
| | Senior | 1 | 33 | 32 | 35 | 3.00 | 2.83 | 2.79 | 2.78 |
| Talked about career plans with a faculty member or advisor | 1st Yr. | 3 | 51 | 31 | 15 | 2.59 | 2.39 | 2.20*** | 2.16*** |
| | Senior | 13 | 45 | 32 | 11 | 2.40 | 2.40 | 2.39 | 2.37 |
| Discussed ideas from your readings or classes with faculty members outside of class | 1st Yr. | 44 | 36 | 13 | 8 | 1.85 | 1.81 | 1.76 | 1.84 |
| | Senior | 34 | 47 | 11 | 9 | 1.95 | 1.99 | 2.00 | 2.06* |
| Received prompt feedback from faculty on your academic performance (written or oral) | 1st Yr. | 3 | 29 | 46 | 23 | 2.89 | 2.60 | 2.50* | 2.62 |
| | Senior | 6 | 28 | 49 | 18 | 2.79 | 2.62 | 2.68* | 2.74*** |
| Worked harder than you thought you could to meet an instructor's standards or expectations | 1st Yr. | 6 | 31 | 37 | 26 | 2.83 | 2.61 | 2.59 | 2.64 |
| | Senior | 9 | 38 | 34 | 19 | 2.63 | 2.60 | 2.62 | 2.71*** |
| Worked with faculty members on activities other than course work (committees, orientation, student life activities, etc.) | 1st Yr. | 51 | 31 | 11 | 6 | 1.71 | 1.68 | 1.58* | 1.60 |
| | Senior | 51 | 36 | 10 | 3 | 1.66 | 1.88 | 1.86 | 1.81* |
| Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.) | 1st Yr. | 14 | 29 | 37 | 20 | 2.63 | 2.65 | 2.72 | 2.75* |
| | Senior | 8 | 35 | 35 | 23 | 2.72 | 2.79 | 2.83 | 2.90*** |
| Had serious conversations with students of a different race or ethnicity than your own | 1st Yr. | 20 | 46 | 11 | 23 | 2.37 | 2.39 | 2.56*** | 2.62*** |
| | Senior | 14 | 47 | 22 | 17 | 2.41 | 2.54 | 2.67*** | 2.71*** |
| Had serious conversations with students who are very different from you in terms of their religious beliefs, political opinions, or personal values | 1st Yr. | 26 | 23 | 29 | 23 | 2.49 | 2.58 | 2.70* | 2.72** |
| | Senior | 9 | 46 | 24 | 21 | 2.58 | 2.67 | 2.79*** | 2.76** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Mental Activities <i>During the current year, how much has your coursework emphasized the following mental activities?</i> | Class Rank | Percent of COE Students who gave the response. . . | | | | COE Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|-----------------|------------------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Memorizing facts, ideas, or methods from your courses and readings | 1st Yr. | 0% | 24% | 38% | 38% | 3.15 | 2.98 | 3.00 | 2.96 |
| | Senior | 12 | 26 | 29 | 33 | 2.82 | 2.81 | 2.84 | 2.79 |
| Analyzing the basic elements of an idea, experience, or theory | 1st Yr. | 0 | 21 | 53 | 27 | 3.06 | 3.14 | 3.14 | 3.15 |
| | Senior | 6 | 14 | 47 | 34 | 3.09 | 3.16 | 3.26*** | 3.28*** |
| Synthesizing and organizing ideas, information, or experiences | 1st Yr. | 0 | 53 | 29 | 18 | 2.65 | 2.90 | 2.89 | 2.93 |
| | Senior | 5 | 25 | 44 | 26 | 2.92 | 2.88 | 3.00*** | 3.06*** |
| Making judgments about the value of information, arguments, or methods | 1st Yr. | 6 | 27 | 44 | 24 | 2.85 | 2.84 | 2.86 | 2.91 |
| | Senior | 3 | 23 | 38 | 36 | 3.07 | 2.87 | 2.96** | 3.01*** |
| Applying theories or concepts to practical problems or in new situations | 1st Yr. | 6 | 24 | 41 | 29 | 2.94 | 3.10 | 3.10 | 3.08 |
| | Senior | 1 | 17 | 32 | 51 | 3.31 | 3.19 | 3.22 | 3.23 |

| Reading and Writing <i>During the current school year, about how much reading and writing have you done?</i> | Class Rank | Percent of COE Students who gave the response. . . | | | | | COE Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------|-------------------|--------------------|--------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = none</i> | <i>2 = 1 - 4</i> | <i>3 = 5 - 10</i> | <i>4 = 11 - 20</i> | <i>5 = > 20</i> | | | | |
| Number of assigned textbooks, books, or book-length packs of course readings | 1st Yr. | 0% | 22% | 44% | 25% | 9% | 3.22 | 3.04 | 3.15* | 3.26*** |
| | Senior | 5 | 28 | 35 | 18 | 14 | 3.08 | 2.94 | 3.08*** | 3.16*** |
| Number of books read on your own (not assigned) for personal enjoyment or academic enrichment | 1st Yr. | 31 | 56 | 13 | 0 | 0 | 1.81 | 2.00 | 2.02 | 2.06 |
| | Senior | 21 | 48 | 21 | 3 | 7 | 2.28 | 2.20 | 2.20 | 2.20 |
| Number of written papers or reports of 20 pages or more | 1st Yr. | 81 | 13 | 0 | 3 | 3 | 1.34 | 1.23 | 1.19 | 1.28 |
| | Senior | 60 | 33 | 3 | 3 | 0 | 1.5 | 1.61 | 1.58 | 1.64 |
| Number of written papers or reports between 5 and 19 pages | 1st Yr. | 6 | 50 | 38 | 6 | 0 | 2.44 | 2.31 | 2.07*** | 2.30 |
| | Senior | 17 | 53 | 24 | 2 | 3 | 2.22 | 2.40 | 2.45 | 2.50*** |
| Number of written papers or reports of fewer than 5 pages | 1st Yr. | 0 | 41 | 44 | 13 | 3 | 2.78 | 2.96 | 2.84* | 3.04 |
| | Senior | 3 | 27 | 34 | 22 | 14 | 3.15 | 2.94 | 2.99 | 2.97 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Problem Sets <i>In a typical week, how many homework problem sets do you complete?</i> | Class Rank | Percent of COE Students who gave the response. . . | | | | | COE Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------|------------------|------------------|-------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = none</i> | <i>2 = 1 - 2</i> | <i>3 = 3 - 4</i> | <i>4 = 5 - 6</i> | <i>5 = > 6</i> | | | | |
| Number of problem sets that take you more than an hour to complete | 1st Yr. | 13% | 34% | 28% | 9% | 16% | 2.81 | 2.95 | 2.71*** | 2.70*** |
| | Senior | 23 | 34 | 25 | 11 | 7 | 2.45 | 2.68 | 2.53*** | 2.63 |
| Number of problem sets that take you less than an hour to complete | 1st Yr. | 9 | 38 | 41 | 9 | 3 | 2.59 | 2.64 | 2.79* | 2.77* |
| | Senior | 22 | 37 | 24 | 9 | 8 | 2.45 | 2.29 | 2.29 | 2.35 |

| Examinations | Class Rank | Percent of COE Students who gave the response... | | | | | | | COE Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------|------------|------------|------------|------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = very much</i> | | | | |
| To what extent have your exams during the current school year challenged you to do your best work? | 1st Yr. | 0% | 3% | 0% | 0% | 47% | 31% | 19% | 5.59 | 5.64 | 5.60 | 5.45*** |
| | Senior | 2 | 3 | 1 | 18 | 30 | 26 | 19 | 5.25 | 5.31 | 5.40 | 5.45** |

| Additional Collegiate Experiences <i>During the current school year, about how often have you done each of the following?</i> | Class Rank | Percent of COE Students who gave the response. . . | | | | COE Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|----------------------|------------------|-----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = never</i> | <i>2 = sometimes</i> | <i>3 = often</i> | <i>4 = very often</i> | | | | |
| Attended an art exhibit, gallery, play, dance, or other theatre performance | 1st Yr. | 19% | 55% | 16% | 10% | 2.16 | 2.02 | 2.10 | 2.18*** |
| | Senior | 36 | 50 | 12 | 2 | 1.81 | 1.90 | 1.99** | 2.07*** |
| Exercised or participated in physical fitness activities | 1st Yr. | 0 | 32 | 26 | 42 | 3.10 | 2.99 | 3.01 | 2.83*** |
| | Senior | 11 | 28 | 26 | 34 | 2.83 | 2.81 | 2.95*** | 2.74 |
| Participated in activities to enhance your spirituality (worship, meditation, prayer, etc.) | 1st Yr. | 19 | 29 | 16 | 36 | 2.68 | 2.43 | 2.27** | 2.05*** |
| | Senior | 21 | 35 | 14 | 31 | 2.55 | 2.37 | 2.20*** | 2.15*** |
| Examined the strengths and weaknesses of your own views on a topic or issue | 1st Yr. | 7 | 47 | 23 | 23 | 2.63 | 2.63 | 2.61 | 2.61 |
| | Senior | 10 | 32 | 43 | 15 | 2.62 | 2.66 | 2.71 | 2.71 |
| Tried to better understand someone else's views by imagining how an issue looks from his or her perspective | 1st Yr. | 17 | 23 | 33 | 27 | 2.70 | 2.78 | 2.74 | 2.78 |
| | Senior | 3 | 32 | 45 | 20 | 2.80 | 2.78 | 2.82 | 2.86** |
| Learned something that changed the way you understand an issue or concept | 1st Yr. | 0 | 19 | 45 | 36 | 3.16 | 2.83 | 2.82 | 2.87 |
| | Senior | 6 | 31 | 36 | 28 | 2.85 | 2.78 | 2.87** | 2.91*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Enriching Educational Experiences <i>Which of the following have you done or do you plan to do before you graduate from your institution?</i> | Class Rank | Percent of COE students. . . | | | | Percent of OSU students. . . | | | | Percent of Peer Group students. . . | | | | Percent of other Doctoral-Extensive students. . . | | | |
|---|-------------------|------------------------------|--------------------------|-------------------|-------------|------------------------------|--------------------------|-------------------|-------------|-------------------------------------|--------------------------|-------------------|-------------|---|--------------------------|-------------------|-------------|
| | | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> |
| Practicum, internship, field experience, co-op experience, or clinical assignment | 1st Yr. | 13% | 7% | 77% | 3% | 8% | 4% | 83% | 5% | 10% | 3% | 80% | 7% | 12% | 4% | 77% | 7% |
| | Senior | 6 | 5 | 23 | 67 | 6 | 16 | 21 | 56 | 7 | 15 | 21 | 57 | 8 | 15 | 25 | 52 |
| Community service or volunteer work | 1st Yr. | 10 | 10 | 29 | 52 | 10 | 5 | 34 | 51 | 10 | 5 | 39 | 47 | 13 | 6 | 41 | 39 |
| | Senior | 8 | 9 | 25 | 58 | 7 | 17 | 15 | 62 | 8 | 14 | 12 | 67 | 10 | 16 | 16 | 59 |
| Participate in a learning community or some other formal program where groups of students take two or more classes together | 1st Yr. | 26 | 23 | 39 | 13 | 25 | 29 | 23 | 22 | 28 | 28 | 21 | 24 | 31 | 26 | 23 | 20 |
| | Senior | 10 | 35 | 9 | 46 | 14 | 53 | 8 | 25 | 11 | 54 | 6 | 29 | 15 | 50 | 9 | 26 |
| Work on a research project with a faculty member outside of course or program requirements | 1st Yr. | 32 | 32 | 23 | 13 | 35 | 23 | 36 | 5 | 37 | 23 | 35 | 6 | 38 | 22 | 35 | 5 |
| | Senior | 10 | 55 | 20 | 15 | 13 | 53 | 13 | 21 | 13 | 50 | 12 | 24 | 17 | 48 | 15 | 20 |
| Foreign language coursework | 1st Yr. | 19 | 26 | 36 | 19 | 16 | 36 | 31 | 16 | 18 | 33 | 29 | 20 | 19 | 27 | 33 | 21 |
| | Senior | 5 | 37 | 10 | 48 | 6 | 50 | 10 | 34 | 6 | 43 | 7 | 45 | 9 | 40 | 10 | 42 |
| Study abroad | 1st Yr. | 19 | 48 | 26 | 7 | 23 | 25 | 48 | 4 | 28 | 22 | 48 | 2 | 29 | 25 | 43 | 3 |
| | Senior | 15 | 74 | 5 | 6 | 13 | 65 | 9 | 13 | 10 | 64 | 8 | 18 | 14 | 61 | 10 | 16 |
| Independent study or self-designed major | 1st Yr. | 23 | 65 | 10 | 3 | 30 | 55 | 13 | 2 | 31 | 54 | 13 | 2 | 33 | 48 | 16 | 3 |
| | Senior | 8 | 61 | 11 | 21 | 9 | 58 | 8 | 25 | 10 | 68 | 7 | 16 | 13 | 60 | 10 | 17 |
| Culminating senior experience (capstone course, thesis, project, comprehensive exam, etc.) | 1st Yr. | 39 | 23 | 36 | 3 | 38 | 14 | 46 | 2 | 40 | 14 | 44 | 2 | 37 | 12 | 49 | 2 |
| | Senior | 9 | 32 | 32 | 26 | 8 | 25 | 27 | 40 | 9 | 28 | 27 | 37 | 11 | 23 | 33 | 34 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Quality of Relationships <i>What best represents the quality of your relationships with people at your institution?</i> | Class Rank | Percent of COE Students who gave the response. . . | | | | | | | COE Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|------------|--|------------|------------|------------|------------|------------|---------------------------------|----------------------|----------------------|-----------------------|--------------------------|
| | | <i>1 = unfriendly, unsupportive</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = friendly, supportive</i> | | | | |
| Relationships with other students | 1st Yr. | 0% | 0% | 0% | 23% | 16% | 26% | 36% | 5.74 | 5.69 | 5.58 | 5.45*** |
| | Senior | 0 | 0 | 1 | 8 | 18 | 36 | 37 | 5.99 | 5.68 | 5.68 | 5.54** |
| Relationships with faculty members | 1st Yr. | <i>1 = unavailable, unhelpful</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = available, helpful</i> | 5.10 | 5.14 | 5.01* | 5.08 |
| | Senior | 0 | 7 | 10 | 10 | 26 | 39 | 10 | 5.38 | 5.27 | 5.23 | 5.29 |
| Relationships with administrative personnel and offices | 1st Yr. | <i>1 = unhelpful, inconsiderate</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = helpful, considerate</i> | 4.81 | 4.93 | 4.68*** | 4.61*** |
| | Senior | 3 | 10 | 3 | 19 | 26 | 29 | 10 | 4.78 | 4.68 | 4.52** | 4.47*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Time Usage <i>About how many hours do you spend in a typical 7-day week doing each of the following?</i> | Class Rank | Percent of COE Students who gave the response. . . | | | | | | | | COE Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|------------|--|------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-----------------------|----------------------|----------------------|-----------------------|--------------------------|
| | | 1 = 0 hrs/wk | 2 = 1 - 5 hrs/wk | 3 = 6 - 10 hrs/wk | 4 = 11 - 15 hrs/wk | 5 = 16 - 20 hrs/wk | 6 = 21 -25 hrs/wk | 7 = 26 -30 hrs/wk | 8 = > 30 hrs/wk | | | | |
| Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities) | 1st Yr. | 0% | 17% | 27% | 27% | 23% | 3% | 0% | 3% | 3.83 | 4.38 | 4.37 | 4.22* |
| | Senior | 1 | 21 | 29 | 9 | 20 | 10 | 3 | 7 | 4.05 | 4.22 | 4.24 | 4.25 |
| Working for pay on campus | 1st Yr. | 90 | 0 | 0 | 7 | 3 | 0 | 0 | 0 | 1.32 | 1.62 | 1.47* | 1.52 |
| | Senior | 72 | 1 | 7 | 2 | 7 | 5 | 2 | 4 | 2.12 | 2.22 | 2.05* | 1.86*** |
| Working for pay off campus | 1st Yr. | 71 | 10 | 3 | 3 | 7 | 3 | 3 | 0 | 1.87 | 1.68 | 1.66 | 2.15*** |
| | Senior | 49 | 7 | 2 | 5 | 8 | 11 | 7 | 11 | 3.31 | 3.17 | 2.82*** | 3.55*** |
| Participating in co-curricular activities (organizations, campus publications, student government, social fraternity or sorority, intercollegiate or intramural sports, etc.) | 1st Yr. | 23 | 23 | 26 | 13 | 3 | 0 | 3 | 10 | 3.13 | 2.77 | 2.57* | 2.32*** |
| | Senior | 51 | 24 | 8 | 9 | 1 | 1 | 1 | 4 | 2.10 | 2.33 | 2.42 | 2.14*** |
| Relaxing and socializing (watching TV, partying, etc.) | 1st Yr. | 0 | 26 | 39 | 19 | 13 | 0 | 0 | 3 | 3.35 | 3.57 | 3.91*** | 3.90*** |
| | Senior | 0 | 26 | 26 | 29 | 13 | 1 | 1 | 3 | 3.53 | 3.58 | 3.75** | 3.57 |
| Providing care for dependents living with you (parents, children, spouse, etc.) | 1st Yr. | 81 | 3 | 13 | 3 | 0 | 0 | 0 | 0 | 1.39 | 1.32 | 1.33 | 1.63*** |
| | Senior | 54 | 14 | 8 | 6 | 2 | 1 | 2 | 13 | 2.64 | 2.25 | 1.65*** | 2.28 |
| Commuting to class (driving, walking, etc.) | 1st Yr. | 3 | 81 | 7 | 7 | 3 | 0 | 0 | 0 | 2.26 | 2.28 | 2.31 | 2.35 |
| | Senior | 9 | 64 | 16 | 6 | 1 | 2 | 0 | 1 | 2.38 | 2.29 | 2.33 | 2.45*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Institutional Environment <i>To what extent does your institution emphasize each of the following?</i> | Class Rank | Percent of COE Students who gave the response. . . | | | | COE Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|-----------------|------------------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Spending significant amounts of time studying and on academic work | 1st Yr. | 0% | 13% | 55% | 32% | 3.19 | 3.15 | 3.19 | 3.13 |
| | Senior | 5 | 13 | 43 | 40 | 3.18 | 3.06 | 3.11 | 3.13* |
| Providing the support you need to help you succeed academically | 1st Yr. | 0 | 19 | 42 | 39 | 3.19 | 3.10 | 3.11 | 3.04 |
| | Senior | 8 | 28 | 34 | 30 | 2.86 | 2.83 | 2.89 | 2.87 |
| Encouraging contact among students from different economic, social, and racial or ethnic backgrounds | 1st Yr. | 7 | 32 | 39 | 23 | 2.77 | 2.67 | 2.73 | 2.69 |
| | Senior | 20 | 29 | 28 | 23 | 2.55 | 2.36 | 2.45** | 2.51*** |
| Helping you cope with your non-academic responsibilities (work, family, etc.) | 1st Yr. | 7 | 33 | 37 | 23 | 2.77 | 2.23 | 2.26 | 2.23 |
| | Senior | 40 | 30 | 18 | 12 | 2.01 | 1.89 | 1.93 | 1.96 |
| Providing the support you need to thrive socially | 1st Yr. | 7 | 32 | 36 | 26 | 2.81 | 2.50 | 2.58 | 2.48 |
| | Senior | 23 | 34 | 33 | 13 | 2.35 | 2.18 | 2.28** | 2.22 |
| Attending campus events and activities (special speakers, cultural performances, athletic events, etc.) | 1st Yr. | 7 | 10 | 52 | 32 | 3.10 | 3.01 | 3.03 | 2.87*** |
| | Senior | 10 | 33 | 36 | 21 | 2.67 | 2.69 | 2.83*** | 2.68 |
| Using computers in academic work | 1st Yr. | 3 | 17 | 33 | 47 | 3.23 | 3.34 | 3.41 | 3.35 |
| | Senior | 0 | 8 | 30 | 62 | 3.54 | 3.49 | 3.51 | 3.48 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Educational and Personal Growth <i>To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?</i> | Class Rank | Percent of COE Students who gave the response. . . | | | | COE Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|-----------------|------------------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Acquiring a broad general education | 1st Yr. | 3% | 14% | 35% | 48% | 3.28 | 3.14 | 3.20 | 3.15 |
| | Senior | 1 | 21 | 41 | 37 | 3.14 | 3.13 | 3.22** | 3.23*** |
| Acquiring job or work-related knowledge and skills | 1st Yr. | 0 | 21 | 55 | 24 | 3.03 | 2.95 | 2.87 | 2.82** |
| | Senior | 5 | 17 | 36 | 42 | 3.15 | 3.05 | 3.04 | 3.06 |
| Writing clearly and effectively | 1st Yr. | 3 | 17 | 41 | 38 | 3.14 | 2.93 | 2.87 | 2.97 |
| | Senior | 5 | 26 | 37 | 33 | 2.98 | 2.95 | 3.01* | 3.06*** |
| Speaking clearly and effectively | 1st Yr. | 7 | 21 | 31 | 41 | 3.07 | 2.73 | 2.71 | 2.78 |
| | Senior | 5 | 29 | 34 | 33 | 2.94 | 2.85 | 2.91* | 2.95** |
| Thinking critically and analytically | 1st Yr. | 0 | 24 | 35 | 41 | 3.17 | 3.22 | 3.21 | 3.22 |
| | Senior | 2 | 15 | 36 | 47 | 3.27 | 3.26 | 3.34** | 3.35** |
| Analyzing quantitative problems | 1st Yr. | 10 | 24 | 31 | 35 | 2.90 | 3.02 | 3.06 | 2.97 |
| | Senior | 5 | 29 | 39 | 27 | 2.88 | 3.11 | 3.10 | 3.09 |
| Using computing and information technology | 1st Yr. | 3 | 21 | 41 | 35 | 3.07 | 3.04 | 3.12* | 3.05 |
| | Senior | 1 | 22 | 30 | 47 | 3.22 | 3.20 | 3.23 | 3.21 |
| Working effectively with others | 1st Yr. | 7 | 17 | 41 | 35 | 3.03 | 2.97 | 3.00 | 2.97 |
| | Senior | 2 | 16 | 36 | 45 | 3.24 | 3.13 | 3.16 | 3.14 |
| Voting in local, state, or national elections | 1st Yr. | 10 | 40 | 23 | 27 | 2.67 | 2.49 | 2.65** | 2.59 |
| | Senior | 27 | 42 | 19 | 12 | 2.15 | 2.09 | 2.35*** | 2.30*** |
| Learning effectively on your own | 1st Yr. | 3 | 30 | 27 | 40 | 3.03 | 2.95 | 3.03 | 2.98 |
| | Senior | 11 | 16 | 43 | 31 | 2.94 | 2.95 | 3.03** | 3.03** |
| Understanding yourself | 1st Yr. | 10 | 20 | 37 | 33 | 2.93 | 2.75 | 2.79 | 2.79 |
| | Senior | 19 | 21 | 30 | 31 | 2.73 | 2.67 | 2.77** | 2.77** |
| Understanding people of other racial and ethnic backgrounds | 1st Yr. | 3 | 47 | 27 | 23 | 2.70 | 2.62 | 2.63 | 2.68 |
| | Senior | 18 | 31 | 32 | 19 | 2.52 | 2.46 | 2.54* | 2.63*** |
| Solving complex real-world problems | 1st Yr. | 7 | 30 | 43 | 20 | 2.77 | 2.67 | 2.76 | 2.71 |
| | Senior | 14 | 29 | 36 | 21 | 2.64 | 2.71 | 2.83*** | 2.81** |
| Developing a personal code of values and ethics | 1st Yr. | 7 | 40 | 33 | 20 | 2.67 | 2.62 | 2.71 | 2.70 |
| | Senior | 19 | 28 | 19 | 35 | 2.69 | 2.51 | 2.65*** | 2.70*** |
| Contributing to the welfare of your community | 1st Yr. | 13 | 40 | 27 | 20 | 2.53 | 2.56 | 2.56 | 2.48 |
| | Senior | 20 | 33 | 31 | 16 | 2.42 | 2.31 | 2.47*** | 2.47*** |
| Developing a deepened sense of spirituality | 1st Yr. | 20 | 37 | 33 | 10 | 2.33 | 2.20 | 2.16 | 2.11 |
| | Senior | 49 | 24 | 17 | 11 | 1.89 | 1.77 | 1.86** | 1.91*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Academic Advising | Class Rank | Percent of COE Students who gave the response. . . | | | | COE Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|-----------------|-----------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = poor</i> | <i>2 = fair</i> | <i>3 = good</i> | <i>4 = excellent</i> | | | | |
| Overall, how would you evaluate the quality of academic advising you have received at your institution? | 1st Yr. | 0% | 10% | 50% | 40% | 3.30 | 3.20 | 3.12* | 2.98*** |
| | Senior | 7 | 19 | 35 | 39 | 3.06 | 2.95 | 2.84** | 2.79*** |

| Satisfaction | Class Rank | Percent of COE Students who gave the response. . . | | | | COE Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|-----------------|-----------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = poor</i> | <i>2 = fair</i> | <i>3 = good</i> | <i>4 = excellent</i> | | | | |
| How would you evaluate your entire educational experience at this institution? | 1st Yr. | 0% | 10% | 40% | 50% | 3.4 | 3.31 | 3.30 | 3.20** |
| | Senior | 1 | 11 | 44 | 44 | 3.31 | 3.21 | 3.25 | 3.19 |

| | Class Rank | <i>1 = definitely no</i> | <i>2 = probably no</i> | <i>3 = probably yes</i> | <i>4 = definitely yes</i> | COE Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | If you could start over again, would you go to the <i>same institution</i> you are now attending? | 1st Yr. | 0% | 13% | | | | |
| | Senior | 4 | 11 | 25 | 61 | 3.43 | 3.31 | 3.30 | 3.18*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Sample Size Information (# of students) | 1st Yr. | Senior | Total |
|---|---------|--------|--------|
| College of Engineering, Architecture and Technology | 93 | 198 | 291 |
| OSU | 476 | 938 | 1,414 |
| Selected Peer Group | 8,235 | 10,385 | 18,620 |
| Doctoral-Extensive | 24,587 | 29,320 | 53,907 |

| Academic and Intellectual Experiences <i>In your experience at this institution during the current school year, about how often have you done each of the following?</i> | Class Rank | Percent of CEAT Students who gave the response. . . | | | | CEAT Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|------------|---|---------------|-----------|----------------|-----------------------|----------------------|-----------------------|--------------------------|
| | | 1 = never | 2 = sometimes | 3 = often | 4 = very often | | | | |
| Asked questions in class or contributed to class discussions | 1st Yr. | 4% | 44% | 32% | 21% | 2.68 | 2.70 | 2.56*** | 2.75 |
| | Senior | 5 | 38 | 31 | 26 | 2.77 | 2.87 | 2.92 | 3.04*** |
| Made a class presentation | 1st Yr. | 18 | 66 | 14 | 2 | 2.00 | 2.04 | 1.99 | 2.18*** |
| | Senior | 7 | 44 | 36 | 14 | 2.56 | 2.66 | 2.67 | 2.73* |
| Prepared two or more drafts of a paper or assignment before turning it in | 1st Yr. | 24 | 35 | 27 | 14 | 2.32 | 2.62 | 2.40*** | 2.62 |
| | Senior | 26 | 41 | 22 | 11 | 2.17 | 2.39 | 2.34 | 2.44 |
| Worked on a paper or project that required integrating ideas or information from various sources | 1st Yr. | 1 | 27 | 45 | 27 | 2.98 | 3.07 | 2.90*** | 3.07 |
| | Senior | 2 | 17 | 34 | 48 | 3.28 | 3.24 | 3.26 | 3.29 |
| Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments | 1st Yr. | 10 | 48 | 32 | 11 | 2.43 | 2.69 | 2.61 | 2.79* |
| | Senior | 28 | 43 | 18 | 11 | 2.12 | 2.51 | 2.64*** | 2.76*** |
| Come to class without completing readings or assignments | 1st Yr. | 11 | 54 | 26 | 9 | 2.33 | 2.20 | 2.16 | 2.08** |
| | Senior | 14 | 54 | 20 | 11 | 2.28 | 2.32 | 2.28 | 2.18*** |
| Worked with other students on projects during class | 1st Yr. | 12 | 43 | 33 | 12 | 2.45 | 2.43 | 2.38 | 2.42 |
| | Senior | 19 | 36 | 27 | 18 | 2.45 | 2.52 | 2.47 | 2.53 |
| Worked with classmates outside of class to prepare class assignments | 1st Yr. | 9 | 38 | 30 | 24 | 2.69 | 2.48 | 2.51 | 2.45 |
| | Senior | 2 | 16 | 31 | 52 | 3.32 | 2.96 | 2.95 | 2.83*** |
| Put together ideas or concepts from different courses when completing assignments or during class discussions | 1st Yr. | 7 | 54 | 32 | 7 | 2.39 | 2.54 | 2.56 | 2.64** |
| | Senior | 4 | 24 | 37 | 36 | 3.04 | 2.88 | 2.95* | 2.96** |
| Tutored or taught other students (paid or voluntary) | 1st Yr. | 41 | 37 | 18 | 3 | 1.84 | 1.73 | 1.79 | 1.72 |
| | Senior | 23 | 47 | 16 | 15 | 2.22 | 1.98 | 1.89** | 1.88** |
| Participated in a community-based project (e.g. service learning) as part of a regular course | 1st Yr. | 74 | 19 | 5 | 2 | 1.35 | 1.53 | 1.56 | 1.54 |
| | Senior | 70 | 23 | 4 | 3 | 1.40 | 1.53 | 1.63*** | 1.65*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Academic and Intellectual Experiences <i>(continued)</i> | Class Rank | Percent of CEAT Students who gave the response. . . | | | | CEAT Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|--|----------------------|------------------|-----------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = never</i> | <i>2 = sometimes</i> | <i>3 = often</i> | <i>4 = very often</i> | | | | |
| Used an electronic medium (listserv, chat group, Internet, instant messaging, etc.) to discuss or complete an assignment | 1st Yr. | 20% | 21% | 21% | 39% | 2.79 | 2.60 | 2.69 | 2.69 |
| | Senior | 17 | 24 | 28 | 31 | 2.74 | 2.76 | 2.85* | 2.87** |
| Used e-mail to communicate with an instructor | 1st Yr. | 1 | 32 | 31 | 36 | 3.01 | 3.16 | 3.12 | 3.16 |
| | Senior | 0 | 18 | 36 | 46 | 3.28 | 3.36 | 3.42* | 3.41 |
| Discussed grades or assignments with an instructor | 1st Yr. | 9 | 43 | 24 | 23 | 2.62 | 2.68 | 2.53*** | 2.59* |
| | Senior | 3 | 43 | 30 | 24 | 2.74 | 2.83 | 2.79 | 2.78 |
| Talked about career plans with a faculty member or advisor | 1st Yr. | 14 | 54 | 26 | 7 | 2.26 | 2.39 | 2.20*** | 2.16*** |
| | Senior | 23 | 38 | 24 | 15 | 2.32 | 2.40 | 2.39 | 2.37 |
| Discussed ideas from your readings or classes with faculty members outside of class | 1st Yr. | 50 | 34 | 13 | 4 | 1.70 | 1.81 | 1.76 | 1.84 |
| | Senior | 31 | 45 | 16 | 8 | 2.00 | 1.99 | 2.00 | 2.06* |
| Received prompt feedback from faculty on your academic performance (written or oral) | 1st Yr. | 9 | 44 | 37 | 11 | 2.48 | 2.60 | 2.50* | 2.62 |
| | Senior | 9 | 43 | 36 | 13 | 2.53 | 2.62 | 2.68* | 2.74*** |
| Worked harder than you thought you could to meet an instructor's standards or expectations | 1st Yr. | 15 | 40 | 33 | 12 | 2.41 | 2.61 | 2.59 | 2.64 |
| | Senior | 10 | 38 | 39 | 13 | 2.55 | 2.60 | 2.62 | 2.71*** |
| Worked with faculty members on activities other than course work (committees, orientation, student life activities, etc.) | 1st Yr. | 57 | 28 | 11 | 5 | 1.64 | 1.68 | 1.58* | 1.60 |
| | Senior | 43 | 35 | 15 | 7 | 1.85 | 1.88 | 1.86 | 1.81* |
| Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.) | 1st Yr. | 7 | 39 | 39 | 15 | 2.62 | 2.65 | 2.72 | 2.75* |
| | Senior | 6 | 36 | 40 | 18 | 2.70 | 2.79 | 2.83 | 2.90*** |
| Had serious conversations with students of a different race or ethnicity than your own | 1st Yr. | 20 | 37 | 24 | 20 | 2.44 | 2.39 | 2.56*** | 2.62*** |
| | Senior | 12 | 34 | 30 | 23 | 2.64 | 2.54 | 2.67*** | 2.71*** |
| Had serious conversations with students who are very different from you in terms of their religious beliefs, political opinions, or personal values | 1st Yr. | 14 | 27 | 33 | 25 | 2.69 | 2.58 | 2.70* | 2.72** |
| | Senior | 10 | 37 | 29 | 25 | 2.68 | 2.67 | 2.79*** | 2.76** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Mental Activities <i>During the current year, how much has your coursework emphasized the following mental activities?</i> | Class Rank | Percent of CEAT Students who gave the response. . . | | | | CEAT Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|--|-----------------|------------------------|----------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Memorizing facts, ideas, or methods from your courses and readings | 1st Yr. | 5% | 25% | 49% | 21% | 2.87 | 2.98 | 3.00 | 2.96 |
| | Senior | 16 | 34 | 37 | 13 | 2.48 | 2.81 | 2.84 | 2.79 |
| Analyzing the basic elements of an idea, experience, or theory | 1st Yr. | 1 | 24 | 33 | 42 | 3.16 | 3.14 | 3.14 | 3.15 |
| | Senior | 1 | 13 | 39 | 47 | 3.32 | 3.16 | 3.26*** | 3.28*** |
| Synthesizing and organizing ideas, information, or experiences | 1st Yr. | 5 | 31 | 33 | 32 | 2.92 | 2.90 | 2.89 | 2.93 |
| | Senior | 6 | 23 | 38 | 34 | 2.99 | 2.88 | 3.00*** | 3.06*** |
| Making judgments about the value of information, arguments, or methods | 1st Yr. | 11 | 24 | 41 | 24 | 2.78 | 2.84 | 2.86 | 2.91 |
| | Senior | 8 | 25 | 34 | 33 | 2.92 | 2.87 | 2.96** | 3.01*** |
| Applying theories or concepts to practical problems or in new situations | 1st Yr. | 1 | 21 | 38 | 39 | 3.15 | 3.10 | 3.10 | 3.08 |
| | Senior | 1 | 14 | 30 | 55 | 3.39 | 3.19 | 3.22 | 3.23 |

| Reading and Writing <i>During the current school year, about how much reading and writing have you done?</i> | Class Rank | Percent of CEAT Students who gave the response. . . | | | | | CEAT Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|--|------------------|-------------------|--------------------|--------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = none</i> | <i>2 = 1 - 4</i> | <i>3 = 5 - 10</i> | <i>4 = 11 - 20</i> | <i>5 = > 20</i> | | | | |
| Number of assigned textbooks, books, or book-length packs of course readings | 1st Yr. | 2% | 30% | 54% | 13% | 1% | 2.81 | 3.04 | 3.15* | 3.26*** |
| | Senior | 5 | 48 | 28 | 12 | 7 | 2.69 | 2.94 | 3.08*** | 3.16*** |
| Number of books read on your own (not assigned) for personal enjoyment or academic enrichment | 1st Yr. | 29 | 60 | 8 | 2 | 1 | 1.88 | 2.00 | 2.02 | 2.06 |
| | Senior | 28 | 53 | 12 | 2 | 5 | 2.02 | 2.20 | 2.20 | 2.20 |
| Number of written papers or reports of 20 pages or more | 1st Yr. | 83 | 13 | 4 | 0 | 0 | 1.21 | 1.23 | 1.19 | 1.28 |
| | Senior | 41 | 38 | 15 | 4 | 2 | 1.86 | 1.61 | 1.58 | 1.64 |
| Number of written papers or reports between 5 and 19 pages | 1st Yr. | 17 | 52 | 25 | 5 | 1 | 2.22 | 2.31 | 2.07*** | 2.30 |
| | Senior | 14 | 50 | 24 | 7 | 5 | 2.39 | 2.40 | 2.45 | 2.50*** |
| Number of written papers or reports of fewer than 5 pages | 1st Yr. | 5 | 43 | 31 | 12 | 8 | 2.76 | 2.96 | 2.84* | 3.04 |
| | Senior | 14 | 38 | 25 | 13 | 10 | 2.68 | 2.94 | 2.99 | 2.97 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Problem Sets <i>In a typical week, how many homework problem sets do you complete?</i> | Class Rank | Percent of CEAT Students who gave the response. . . | | | | | CEAT Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|--|------------------|------------------|------------------|-------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = none</i> | <i>2 = 1 - 2</i> | <i>3 = 3 - 4</i> | <i>4 = 5 - 6</i> | <i>5 = > 6</i> | | | | |
| Number of problem sets that take you more than an hour to complete | 1st Yr. | 5% | 19% | 36% | 21% | 19% | 3.31 | 2.95 | 2.71*** | 2.70*** |
| | Senior | 5 | 25 | 34 | 11 | 25 | 3.27 | 2.68 | 2.53*** | 2.63 |
| Number of problem sets that take you less than an hour to complete | 1st Yr. | 25 | 41 | 21 | 5 | 7 | 2.28 | 2.64 | 2.79* | 2.77* |
| | Senior | 35 | 38 | 13 | 3 | 11 | 2.16 | 2.29 | 2.29 | 2.35 |

| Examinations | Class Rank | Percent of CEAT Students who gave the response... | | | | | | | CEAT Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|--|------------|------------|------------|------------|------------|----------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = very much</i> | | | | |
| To what extent have your exams during the current school year challenged you to do your best work? | 1st Yr. | 1% | 1% | 2% | 6% | 31% | 32% | 26% | 5.65 | 5.64 | 5.60 | 5.45*** |
| | Senior | 3 | 3 | 5 | 12 | 20 | 39 | 19 | 5.33 | 5.31 | 5.40 | 5.45** |

| Additional Collegiate Experiences <i>During the current school year, about how often have you done each of the following?</i> | Class Rank | Percent of CEAT Students who gave the response. . . | | | | CEAT Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|--|----------------------|------------------|-----------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = never</i> | <i>2 = sometimes</i> | <i>3 = often</i> | <i>4 = very often</i> | | | | |
| Attended an art exhibit, gallery, play, dance, or other theatre performance | 1st Yr. | 44% | 37% | 16% | 4% | 1.79 | 2.02 | 2.10 | 2.18*** |
| | Senior | 42 | 45 | 9 | 4 | 1.75 | 1.90 | 1.99** | 2.07*** |
| Exercised or participated in physical fitness activities | 1st Yr. | 2 | 29 | 29 | 39 | 3.05 | 2.99 | 3.01 | 2.83*** |
| | Senior | 11 | 35 | 24 | 31 | 2.74 | 2.81 | 2.95*** | 2.74 |
| Participated in activities to enhance your spirituality (worship, meditation, prayer, etc.) | 1st Yr. | 28 | 29 | 17 | 26 | 2.40 | 2.43 | 2.27** | 2.05*** |
| | Senior | 36 | 30 | 17 | 18 | 2.16 | 2.37 | 2.20*** | 2.15*** |
| Examined the strengths and weaknesses of your own views on a topic or issue | 1st Yr. | 9 | 39 | 33 | 20 | 2.63 | 2.63 | 2.61 | 2.61 |
| | Senior | 11 | 36 | 42 | 12 | 2.54 | 2.66 | 2.71 | 2.71 |
| Tried to better understand someone else's views by imagining how an issue looks from his or her perspective | 1st Yr. | 9 | 29 | 35 | 27 | 2.80 | 2.78 | 2.74 | 2.78 |
| | Senior | 9 | 38 | 40 | 14 | 2.59 | 2.78 | 2.82 | 2.86** |
| Learned something that changed the way you understand an issue or concept | 1st Yr. | 4 | 39 | 35 | 22 | 2.76 | 2.83 | 2.82 | 2.87 |
| | Senior | 5 | 42 | 37 | 16 | 2.63 | 2.78 | 2.87** | 2.91*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Enriching Educational Experiences <i>Which of the following have you done or do you plan to do before you graduate from your institution?</i> | Class Rank | Percent of CEAT students. . . | | | | Percent of OSU students. . . | | | | Percent of Peer Group students. . . | | | | Percent of other Doctoral-Extensive students. . . | | | |
|---|-------------------|-------------------------------|--------------------------|-------------------|-------------|------------------------------|--------------------------|-------------------|-------------|-------------------------------------|--------------------------|-------------------|-------------|---|--------------------------|-------------------|-------------|
| | | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> |
| Practicum, internship, field experience, co-op experience, or clinical assignment | 1st Yr. | 8% | 0% | 91% | 1% | 8% | 4% | 83% | 5% | 10% | 3% | 80% | 7% | 12% | 4% | 77% | 7% |
| | Senior | 2 | 10 | 22 | 66 | 6 | 16 | 21 | 56 | 7 | 15 | 21 | 57 | 8 | 15 | 25 | 52 |
| Community service or volunteer work | 1st Yr. | 19 | 5 | 24 | 52 | 10 | 5 | 34 | 51 | 10 | 5 | 39 | 47 | 13 | 6 | 41 | 39 |
| | Senior | 6 | 18 | 17 | 59 | 7 | 17 | 15 | 62 | 8 | 14 | 12 | 67 | 10 | 16 | 16 | 59 |
| Participate in a learning community or some other formal program where groups of students take two or more classes together | 1st Yr. | 35 | 27 | 23 | 15 | 25 | 29 | 23 | 22 | 28 | 28 | 21 | 24 | 31 | 26 | 23 | 20 |
| | Senior | 12 | 54 | 11 | 23 | 14 | 53 | 8 | 25 | 11 | 54 | 6 | 29 | 15 | 50 | 9 | 26 |
| Work on a research project with a faculty member outside of course or program requirements | 1st Yr. | 47 | 15 | 31 | 6 | 35 | 23 | 36 | 5 | 37 | 23 | 35 | 6 | 38 | 22 | 35 | 5 |
| | Senior | 15 | 53 | 12 | 20 | 13 | 53 | 13 | 21 | 13 | 50 | 12 | 24 | 17 | 48 | 15 | 20 |
| Foreign language coursework | 1st Yr. | 19 | 52 | 25 | 4 | 16 | 36 | 31 | 16 | 18 | 33 | 29 | 20 | 19 | 27 | 33 | 21 |
| | Senior | 8 | 64 | 6 | 21 | 6 | 50 | 10 | 34 | 6 | 43 | 7 | 45 | 9 | 40 | 10 | 42 |
| Study abroad | 1st Yr. | 25 | 32 | 41 | 3 | 23 | 25 | 48 | 4 | 28 | 22 | 48 | 2 | 29 | 25 | 43 | 3 |
| | Senior | 13 | 62 | 7 | 18 | 13 | 65 | 9 | 13 | 10 | 64 | 8 | 18 | 14 | 61 | 10 | 16 |
| Independent study or self-designed major | 1st Yr. | 28 | 62 | 9 | 1 | 30 | 55 | 13 | 2 | 31 | 54 | 13 | 2 | 33 | 48 | 16 | 3 |
| | Senior | 10 | 63 | 6 | 21 | 9 | 58 | 8 | 25 | 10 | 68 | 7 | 16 | 13 | 60 | 10 | 17 |
| Culminating senior experience (capstone course, thesis, project, comprehensive exam, etc.) | 1st Yr. | 43 | 9 | 48 | 0 | 38 | 14 | 46 | 2 | 40 | 14 | 44 | 2 | 37 | 12 | 49 | 2 |
| | Senior | 6 | 8 | 42 | 45 | 8 | 25 | 27 | 40 | 9 | 28 | 27 | 37 | 11 | 23 | 33 | 34 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Quality of Relationships <i>What best represents the quality of your relationships with people at your institution?</i> | Class Rank | Percent of CEAT Students who gave the response. . . | | | | | | | CEAT Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|------------|---|------------|------------|------------|------------|------------|---------------------------------|-----------------------|----------------------|-----------------------|--------------------------|
| | | <i>1 = unfriendly, unsupportive</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = friendly, supportive</i> | | | | |
| Relationships with other students | 1st Yr. | 0% | 3% | 5% | 17% | 19% | 20% | 37% | 5.59 | 5.69 | 5.58 | 5.45*** |
| | Senior | 2 | 2 | 5 | 10 | 19 | 32 | 30 | 5.57 | 5.68 | 5.68 | 5.54** |
| Relationships with faculty members | 1st Yr. | <i>1 = unavailable, unhelpful</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = available, helpful</i> | 4.99 | 5.14 | 5.01* | 5.08 |
| | Senior | 1 | 4 | 9 | 12 | 31 | 28 | 15 | 5.12 | 5.27 | 5.23 | 5.29 |
| Relationships with administrative personnel and offices | 1st Yr. | <i>1 = unhelpful, inconsiderate</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = helpful, considerate</i> | 4.76 | 4.93 | 4.68*** | 4.61*** |
| | Senior | 3 | 8 | 10 | 18 | 27 | 22 | 10 | 4.58 | 4.68 | 4.52** | 4.47*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Time Usage <i>About how many hours do you spend in a typical 7-day week doing each of the following?</i> | Class Rank | Percent of CEAT Students who gave the response. . . | | | | | | | | CEAT Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|------------|---|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------|-----------------------|----------------------|-----------------------|--------------------------|
| | | 1 = 0 hrs/wk | 2 = 1 - 5 hrs/wk | 3 = 6 - 10 hrs/wk | 4 = 11 - 15 hrs/wk | 5 = 16 - 20 hrs/wk | 6 = 21 - 25 hrs/wk | 7 = 26 - 30 hrs/wk | 8 = > 30 hrs/wk | | | | |
| Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities) | 1st Yr. | 0% | 5% | 20% | 11% | 22% | 17% | 10% | 15% | 5.15 | 4.38 | 4.37 | 4.22* |
| | Senior | 1 | 11 | 14 | 19 | 12 | 14 | 10 | 19 | 5.05 | 4.22 | 4.24 | 4.25 |
| Working for pay on campus | 1st Yr. | 82 | 1 | 9 | 5 | 1 | 0 | 1 | 0 | 1.47 | 1.62 | 1.47* | 1.52 |
| | Senior | 61 | 8 | 9 | 9 | 8 | 2 | 1 | 3 | 2.18 | 2.22 | 2.05* | 1.86*** |
| Working for pay off campus | 1st Yr. | 81 | 4 | 5 | 4 | 3 | 4 | 0 | 0 | 1.54 | 1.68 | 1.66 | 2.15*** |
| | Senior | 56 | 9 | 5 | 4 | 6 | 8 | 2 | 11 | 2.77 | 3.17 | 2.82*** | 3.55*** |
| Participating in co-curricular activities (organizations, campus publications, student government, social fraternity or sorority, intercollegiate or intramural sports, etc.) | 1st Yr. | 22 | 37 | 20 | 15 | 5 | 1 | 0 | 0 | 2.49 | 2.77 | 2.57* | 2.32*** |
| | Senior | 31 | 36 | 19 | 4 | 5 | 2 | 0 | 4 | 2.38 | 2.33 | 2.42 | 2.14*** |
| Relaxing and socializing (watching TV, partying, etc.) | 1st Yr. | 0 | 24 | 26 | 22 | 15 | 8 | 1 | 4 | 3.76 | 3.57 | 3.91*** | 3.90*** |
| | Senior | 1 | 27 | 31 | 20 | 10 | 5 | 1 | 5 | 3.54 | 3.58 | 3.75** | 3.57 |
| Providing care for dependents living with you (parents, children, spouse, etc.) | 1st Yr. | 91 | 4 | 1 | 3 | 1 | 0 | 0 | 0 | 1.19 | 1.32 | 1.33 | 1.63*** |
| | Senior | 69 | 11 | 6 | 3 | 2 | 2 | 1 | 6 | 2.00 | 2.25 | 1.65*** | 2.28 |
| Commuting to class (driving, walking, etc.) | 1st Yr. | 13 | 67 | 12 | 4 | 1 | 3 | 0 | 1 | 2.28 | 2.28 | 2.31 | 2.35 |
| | Senior | 8 | 73 | 12 | 2 | 3 | 1 | 0 | 1 | 2.27 | 2.29 | 2.33 | 2.45*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Institutional Environment <i>To what extent does your institution emphasize each of the following?</i> | Class Rank | Percent of CEAT Students who gave the response. . . | | | | CEAT Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|--|-----------------|------------------------|----------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Spending significant amounts of time studying and on academic work | 1st Yr. | 0% | 20% | 48% | 32% | 3.11 | 3.15 | 3.19 | 3.13 |
| | Senior | 4 | 18 | 51 | 28 | 3.03 | 3.06 | 3.11 | 3.13* |
| Providing the support you need to help you succeed academically | 1st Yr. | 1 | 17 | 44 | 38 | 3.19 | 3.10 | 3.11 | 3.04 |
| | Senior | 5 | 30 | 48 | 17 | 2.77 | 2.83 | 2.89 | 2.87 |
| Encouraging contact among students from different economic, social, and racial or ethnic backgrounds | 1st Yr. | 17 | 34 | 30 | 19 | 2.52 | 2.67 | 2.73 | 2.69 |
| | Senior | 22 | 39 | 27 | 12 | 2.28 | 2.36 | 2.45** | 2.51*** |
| Helping you cope with your non-academic responsibilities (work, family, etc.) | 1st Yr. | 23 | 52 | 15 | 10 | 2.13 | 2.23 | 2.26 | 2.23 |
| | Senior | 41 | 39 | 16 | 4 | 1.84 | 1.89 | 1.93 | 1.96 |
| Providing the support you need to thrive socially | 1st Yr. | 15 | 34 | 39 | 11 | 2.47 | 2.50 | 2.58 | 2.48 |
| | Senior | 32 | 39 | 26 | 2 | 1.99 | 2.18 | 2.28** | 2.22 |
| Attending campus events and activities (special speakers, cultural performances, athletic events, etc.) | 1st Yr. | 6 | 20 | 48 | 25 | 2.92 | 3.01 | 3.03 | 2.87*** |
| | Senior | 14 | 37 | 35 | 15 | 2.50 | 2.69 | 2.83*** | 2.68 |
| Using computers in academic work | 1st Yr. | 3 | 10 | 34 | 53 | 3.38 | 3.34 | 3.41 | 3.35 |
| | Senior | 1 | 7 | 32 | 60 | 3.51 | 3.49 | 3.51 | 3.48 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Educational and Personal Growth <i>To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?</i> | Class Rank | Percent of CEAT Students who gave the response. . . | | | | CEAT Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|--|-----------------|------------------------|----------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Acquiring a broad general education | 1st Yr. | 3% | 21% | 54% | 23% | 2.97 | 3.14 | 3.20 | 3.15 |
| | Senior | 4 | 26 | 39 | 31 | 2.96 | 3.13 | 3.22** | 3.23*** |
| Acquiring job or work-related knowledge and skills | 1st Yr. | 1 | 23 | 46 | 30 | 3.04 | 2.95 | 2.87 | 2.82** |
| | Senior | 3 | 14 | 44 | 38 | 3.18 | 3.05 | 3.04 | 3.06 |
| Writing clearly and effectively | 1st Yr. | 6 | 35 | 41 | 18 | 2.71 | 2.93 | 2.87 | 2.97 |
| | Senior | 6 | 19 | 54 | 21 | 2.90 | 2.95 | 3.01* | 3.06*** |
| Speaking clearly and effectively | 1st Yr. | 19 | 31 | 36 | 14 | 2.45 | 2.73 | 2.71 | 2.78 |
| | Senior | 11 | 21 | 44 | 24 | 2.82 | 2.85 | 2.91* | 2.95** |
| Thinking critically and analytically | 1st Yr. | 3 | 14 | 33 | 50 | 3.31 | 3.22 | 3.21 | 3.22 |
| | Senior | 2 | 7 | 36 | 55 | 3.44 | 3.26 | 3.34** | 3.35** |
| Analyzing quantitative problems | 1st Yr. | 4 | 14 | 36 | 46 | 3.24 | 3.02 | 3.06 | 2.97 |
| | Senior | 1 | 7 | 34 | 58 | 3.49 | 3.11 | 3.10 | 3.09 |
| Using computing and information technology | 1st Yr. | 3 | 21 | 39 | 39 | 3.13 | 3.04 | 3.12* | 3.05 |
| | Senior | 2 | 5 | 38 | 54 | 3.44 | 3.20 | 3.23 | 3.21 |
| Working effectively with others | 1st Yr. | 5 | 24 | 39 | 32 | 2.97 | 2.97 | 3.00 | 2.97 |
| | Senior | 4 | 11 | 43 | 43 | 3.25 | 3.13 | 3.16 | 3.14 |
| Voting in local, state, or national elections | 1st Yr. | 21 | 36 | 32 | 12 | 2.34 | 2.49 | 2.65** | 2.59 |
| | Senior | 41 | 35 | 17 | 7 | 1.91 | 2.09 | 2.35*** | 2.30*** |
| Learning effectively on your own | 1st Yr. | 5 | 30 | 41 | 24 | 2.83 | 2.95 | 3.03 | 2.98 |
| | Senior | 6 | 27 | 36 | 31 | 2.93 | 2.95 | 3.03** | 3.03** |
| Understanding yourself | 1st Yr. | 21 | 27 | 33 | 19 | 2.49 | 2.75 | 2.79 | 2.79 |
| | Senior | 21 | 23 | 36 | 20 | 2.54 | 2.67 | 2.77** | 2.77** |
| Understanding people of other racial and ethnic backgrounds | 1st Yr. | 17 | 34 | 32 | 17 | 2.49 | 2.62 | 2.63 | 2.68 |
| | Senior | 25 | 37 | 26 | 12 | 2.24 | 2.46 | 2.54* | 2.63*** |
| Solving complex real-world problems | 1st Yr. | 11 | 32 | 37 | 20 | 2.67 | 2.67 | 2.76 | 2.71 |
| | Senior | 10 | 19 | 40 | 32 | 2.93 | 2.71 | 2.83*** | 2.81** |
| Developing a personal code of values and ethics | 1st Yr. | 26 | 29 | 26 | 18 | 2.37 | 2.62 | 2.71 | 2.70 |
| | Senior | 21 | 31 | 31 | 17 | 2.43 | 2.51 | 2.65*** | 2.70*** |
| Contributing to the welfare of your community | 1st Yr. | 21 | 38 | 25 | 16 | 2.36 | 2.56 | 2.56 | 2.48 |
| | Senior | 28 | 38 | 28 | 6 | 2.11 | 2.31 | 2.47*** | 2.47*** |
| Developing a deepened sense of spirituality | 1st Yr. | 44 | 21 | 23 | 12 | 2.03 | 2.20 | 2.16 | 2.11 |
| | Senior | 57 | 24 | 13 | 6 | 1.66 | 1.77 | 1.86** | 1.91*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Academic Advising | Class Rank | Percent of CEAT Students who gave the response. . . | | | | CEAT Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|--|-----------------|-----------------|----------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = poor</i> | <i>2 = fair</i> | <i>3 = good</i> | <i>4 = excellent</i> | | | | |
| Overall, how would you evaluate the quality of academic advising you have received at your institution? | 1st Yr. | 4% | 8% | 53% | 35% | 3.19 | 3.20 | 3.12* | 2.98*** |
| | Senior | 10 | 16 | 48 | 26 | 2.89 | 2.95 | 2.84** | 2.79*** |

| Satisfaction | Class Rank | Percent of CEAT Students who gave the response. . . | | | | CEAT Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|--|-----------------|-----------------|----------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = poor</i> | <i>2 = fair</i> | <i>3 = good</i> | <i>4 = excellent</i> | | | | |
| How would you evaluate your entire educational experience at this institution? | 1st Yr. | 1% | 5% | 52% | 41% | 3.33 | 3.31 | 3.30 | 3.20** |
| | Senior | 4 | 11 | 54 | 30 | 3.10 | 3.21 | 3.25 | 3.19 |

| | Class Rank | <i>1 = definitely no</i> | <i>2 = probably no</i> | <i>3 = probably yes</i> | <i>4 = definitely yes</i> | CEAT Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------------|-------------------------|---------------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | If you could start over again, would you go to the <i>same institution</i> you are now attending? | 1st Yr. | 3% | 7% | | | | |
| | Senior | 4 | 11 | 36 | 49 | 3.29 | 3.31 | 3.30 | 3.18*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Sample Size Information (# of students) | 1st Yr. | Senior | Total |
|---|---------|--------|--------|
| College of Human Environmental Sciences | 43 | 109 | 152 |
| OSU | 476 | 938 | 1,414 |
| Selected Peer Group | 8,235 | 10,385 | 18,620 |
| Doctoral-Extensive | 24,587 | 29,320 | 53,907 |

| Academic and Intellectual Experiences <i>In your experience at this institution during the current school year, about how often have you done each of the following?</i> | Class Rank | Percent of CHES Students who gave the response. . . | | | | CHES Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|------------|---|---------------|-----------|----------------|-----------------------|----------------------|-----------------------|--------------------------|
| | | 1 = never | 2 = sometimes | 3 = often | 4 = very often | | | | |
| Asked questions in class or contributed to class discussions | 1st Yr. | 0% | 45% | 38% | 17% | 2.71 | 2.70 | 2.56*** | 2.75 |
| | Senior | 1 | 29 | 32 | 38 | 3.06 | 2.87 | 2.92 | 3.04*** |
| Made a class presentation | 1st Yr. | 7 | 56 | 30 | 7 | 2.37 | 2.04 | 1.99 | 2.18*** |
| | Senior | 3 | 22 | 47 | 28 | 3.01 | 2.66 | 2.67 | 2.73* |
| Prepared two or more drafts of a paper or assignment before turning it in | 1st Yr. | 19 | 19 | 31 | 31 | 2.74 | 2.62 | 2.40*** | 2.62 |
| | Senior | 16 | 42 | 20 | 22 | 2.49 | 2.39 | 2.34 | 2.44 |
| Worked on a paper or project that required integrating ideas or information from various sources | 1st Yr. | 5 | 26 | 26 | 44 | 3.09 | 3.07 | 2.90*** | 3.07 |
| | Senior | 2 | 13 | 34 | 51 | 3.34 | 3.24 | 3.26 | 3.29 |
| Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments | 1st Yr. | 12 | 28 | 40 | 21 | 2.70 | 2.69 | 2.61 | 2.79* |
| | Senior | 7 | 33 | 35 | 25 | 2.77 | 2.51 | 2.64*** | 2.76*** |
| Come to class without completing readings or assignments | 1st Yr. | 23 | 49 | 16 | 12 | 2.16 | 2.20 | 2.16 | 2.08** |
| | Senior | 10 | 53 | 26 | 11 | 2.39 | 2.32 | 2.28 | 2.18*** |
| Worked with other students on projects during class | 1st Yr. | 12 | 40 | 35 | 14 | 2.51 | 2.43 | 2.38 | 2.42 |
| | Senior | 3 | 28 | 39 | 31 | 2.97 | 2.52 | 2.47 | 2.53 |
| Worked with classmates outside of class to prepare class assignments | 1st Yr. | 5 | 51 | 30 | 14 | 2.53 | 2.48 | 2.51 | 2.45 |
| | Senior | 3 | 19 | 38 | 40 | 3.16 | 2.96 | 2.95 | 2.83*** |
| Put together ideas or concepts from different courses when completing assignments or during class discussions | 1st Yr. | 10 | 31 | 41 | 18 | 2.67 | 2.54 | 2.56 | 2.64** |
| | Senior | 3 | 24 | 38 | 35 | 3.06 | 2.88 | 2.95* | 2.96** |
| Tutored or taught other students (paid or voluntary) | 1st Yr. | 56 | 26 | 15 | 3 | 1.64 | 1.73 | 1.79 | 1.72 |
| | Senior | 40 | 39 | 14 | 7 | 1.88 | 1.98 | 1.89** | 1.88** |
| Participated in a community-based project (e.g. service learning) as part of a regular course | 1st Yr. | 67 | 18 | 15 | 0 | 1.49 | 1.53 | 1.56 | 1.54 |
| | Senior | 41 | 42 | 11 | 5 | 1.80 | 1.53 | 1.63*** | 1.65*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Academic and Intellectual Experiences <i>(continued)</i> | Class Rank | Percent of CHES Students who gave the response. . . | | | | CHES Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|--|----------------------|------------------|-----------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = never</i> | <i>2 = sometimes</i> | <i>3 = often</i> | <i>4 = very often</i> | | | | |
| Used an electronic medium (listserv, chat group, Internet, instant messaging, etc.) to discuss or complete an assignment | 1st Yr. | 13% | 37% | 26% | 24% | 2.61 | 2.60 | 2.69 | 2.69 |
| | Senior | 7 | 37 | 23 | 34 | 2.83 | 2.76 | 2.85* | 2.87** |
| Used e-mail to communicate with an instructor | 1st Yr. | 0 | 16 | 42 | 42 | 3.26 | 3.16 | 3.12 | 3.16 |
| | Senior | 0 | 9 | 25 | 67 | 3.58 | 3.36 | 3.42* | 3.41 |
| Discussed grades or assignments with an instructor | 1st Yr. | 8 | 46 | 31 | 15 | 2.54 | 2.68 | 2.53*** | 2.59* |
| | Senior | 3 | 29 | 31 | 38 | 3.03 | 2.83 | 2.79 | 2.78 |
| Talked about career plans with a faculty member or advisor | 1st Yr. | 13 | 51 | 26 | 10 | 2.33 | 2.39 | 2.20*** | 2.16*** |
| | Senior | 7 | 34 | 33 | 26 | 2.77 | 2.40 | 2.39 | 2.37 |
| Discussed ideas from your readings or classes with faculty members outside of class | 1st Yr. | 56 | 18 | 23 | 3 | 1.72 | 1.81 | 1.76 | 1.84 |
| | Senior | 41 | 37 | 14 | 9 | 1.91 | 1.99 | 2.00 | 2.06* |
| Received prompt feedback from faculty on your academic performance (written or oral) | 1st Yr. | 3 | 47 | 40 | 11 | 2.58 | 2.60 | 2.50* | 2.62 |
| | Senior | 10 | 29 | 44 | 18 | 2.69 | 2.62 | 2.68* | 2.74*** |
| Worked harder than you thought you could to meet an instructor's standards or expectations | 1st Yr. | 8 | 24 | 42 | 26 | 2.87 | 2.61 | 2.59 | 2.64 |
| | Senior | 8 | 32 | 38 | 21 | 2.73 | 2.60 | 2.62 | 2.71*** |
| Worked with faculty members on activities other than course work (committees, orientation, student life activities, etc.) | 1st Yr. | 47 | 34 | 16 | 3 | 1.74 | 1.68 | 1.58* | 1.60 |
| | Senior | 36 | 37 | 18 | 8 | 1.98 | 1.88 | 1.86 | 1.81* |
| Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.) | 1st Yr. | 11 | 42 | 34 | 13 | 2.50 | 2.65 | 2.72 | 2.75* |
| | Senior | 4 | 33 | 31 | 32 | 2.91 | 2.79 | 2.83 | 2.90*** |
| Had serious conversations with students of a different race or ethnicity than your own | 1st Yr. | 18 | 32 | 26 | 24 | 2.55 | 2.39 | 2.56*** | 2.62*** |
| | Senior | 18 | 31 | 26 | 24 | 2.57 | 2.54 | 2.67*** | 2.71*** |
| Had serious conversations with students who are very different from you in terms of their religious beliefs, political opinions, or personal values | 1st Yr. | 8 | 50 | 24 | 18 | 2.53 | 2.58 | 2.70* | 2.72** |
| | Senior | 15 | 30 | 30 | 26 | 2.65 | 2.67 | 2.79*** | 2.76** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Mental Activities <i>During the current year, how much has your coursework emphasized the following mental activities?</i> | Class Rank | Percent of CHES Students who gave the response. . . | | | | CHES Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|--|-----------------|------------------------|----------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Memorizing facts, ideas, or methods from your courses and readings | 1st Yr. | 5% | 16% | 41% | 38% | 3.11 | 2.98 | 3.00 | 2.96 |
| | Senior | 7 | 21 | 38 | 34 | 2.99 | 2.81 | 2.84 | 2.79 |
| Analyzing the basic elements of an idea, experience, or theory | 1st Yr. | 0 | 18 | 45 | 37 | 3.18 | 3.14 | 3.14 | 3.15 |
| | Senior | 2 | 19 | 38 | 41 | 3.17 | 3.16 | 3.26*** | 3.28*** |
| Synthesizing and organizing ideas, information, or experiences | 1st Yr. | 3 | 34 | 32 | 32 | 2.92 | 2.90 | 2.89 | 2.93 |
| | Senior | 3 | 26 | 39 | 32 | 3.00 | 2.88 | 3.00*** | 3.06*** |
| Making judgments about the value of information, arguments, or methods | 1st Yr. | 3 | 40 | 37 | 21 | 2.76 | 2.84 | 2.86 | 2.91 |
| | Senior | 8 | 24 | 37 | 32 | 2.92 | 2.87 | 2.96** | 3.01*** |
| Applying theories or concepts to practical problems or in new situations | 1st Yr. | 3 | 18 | 42 | 37 | 3.13 | 3.10 | 3.10 | 3.08 |
| | Senior | 3 | 12 | 28 | 57 | 3.39 | 3.19 | 3.22 | 3.23 |

| Reading and Writing <i>During the current school year, about how much reading and writing have you done?</i> | Class Rank | Percent of CHES Students who gave the response. . . | | | | | CHES Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|--|------------------|-------------------|--------------------|--------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = none</i> | <i>2 = 1 - 4</i> | <i>3 = 5 - 10</i> | <i>4 = 11 - 20</i> | <i>5 = > 20</i> | | | | |
| Number of assigned textbooks, books, or book-length packs of course readings | 1st Yr. | 0% | 30% | 43% | 19% | 8% | 3.05 | 3.04 | 3.15* | 3.26*** |
| | Senior | 2 | 42 | 37 | 6 | 13 | 2.87 | 2.94 | 3.08*** | 3.16*** |
| Number of books read on your own (not assigned) for personal enjoyment or academic enrichment | 1st Yr. | 35 | 35 | 24 | 3 | 3 | 2.03 | 2.00 | 2.02 | 2.06 |
| | Senior | 22 | 51 | 20 | 5 | 1 | 2.11 | 2.20 | 2.20 | 2.20 |
| Number of written papers or reports of 20 pages or more | 1st Yr. | 87 | 8 | 0 | 5 | 0 | 1.24 | 1.23 | 1.19 | 1.28 |
| | Senior | 65 | 30 | 3 | 1 | 1 | 1.43 | 1.61 | 1.58 | 1.64 |
| Number of written papers or reports between 5 and 19 pages | 1st Yr. | 19 | 46 | 32 | 3 | 0 | 2.19 | 2.31 | 2.07*** | 2.30 |
| | Senior | 11 | 53 | 24 | 9 | 3 | 2.40 | 2.40 | 2.45 | 2.50*** |
| Number of written papers or reports of fewer than 5 pages | 1st Yr. | 0 | 35 | 22 | 32 | 11 | 3.19 | 2.96 | 2.84* | 3.04 |
| | Senior | 0 | 37 | 30 | 18 | 14 | 3.04 | 2.94 | 2.99 | 2.97 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Problem Sets <i>In a typical week, how many homework problem sets do you complete?</i> | Class Rank | Percent of CHES Students who gave the response. . . | | | | | CHES Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|--|------------------|------------------|------------------|-------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = none</i> | <i>2 = 1 - 2</i> | <i>3 = 3 - 4</i> | <i>4 = 5 - 6</i> | <i>5 = > 6</i> | | | | |
| Number of problem sets that take you more than an hour to complete | 1st Yr. | 8% | 35% | 24% | 11% | 22% | 3.03 | 2.95 | 2.71*** | 2.70*** |
| | Senior | 32 | 34 | 15 | 6 | 13 | 2.32 | 2.68 | 2.53*** | 2.63 |
| Number of problem sets that take you less than an hour to complete | 1st Yr. | 14 | 41 | 27 | 3 | 16 | 2.68 | 2.64 | 2.79* | 2.77* |
| | Senior | 41 | 33 | 17 | 3 | 6 | 2.01 | 2.29 | 2.29 | 2.35 |

| Examinations | Class Rank | Percent of CHES Students who gave the response... | | | | | | | CHES Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|--|------------|------------|------------|------------|------------|----------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = very much</i> | | | | |
| To what extent have your exams during the current school year challenged you to do your best work? | 1st Yr. | 0% | 0% | 0% | 11% | 32% | 32% | 24% | 5.70 | 5.64 | 5.60 | 5.45*** |
| | Senior | 1 | 3 | 5 | 8 | 32 | 28 | 23 | 5.41 | 5.31 | 5.40 | 5.45** |

| Additional Collegiate Experiences <i>During the current school year, about how often have you done each of the following?</i> | Class Rank | Percent of CHES Students who gave the response. . . | | | | CHES Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|--|----------------------|------------------|-----------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = never</i> | <i>2 = sometimes</i> | <i>3 = often</i> | <i>4 = very often</i> | | | | |
| Attended an art exhibit, gallery, play, dance, or other theatre performance | 1st Yr. | 35% | 49% | 5% | 11% | 1.92 | 2.02 | 2.10 | 2.18*** |
| | Senior | 29 | 50 | 16 | 5 | 1.98 | 1.90 | 1.99** | 2.07*** |
| Exercised or participated in physical fitness activities | 1st Yr. | 8 | 16 | 30 | 46 | 3.14 | 2.99 | 3.01 | 2.83*** |
| | Senior | 10 | 27 | 28 | 35 | 2.88 | 2.81 | 2.95*** | 2.74 |
| Participated in activities to enhance your spirituality (worship, meditation, prayer, etc.) | 1st Yr. | 24 | 16 | 24 | 35 | 2.70 | 2.43 | 2.27** | 2.05*** |
| | Senior | 17 | 30 | 17 | 36 | 2.72 | 2.37 | 2.20*** | 2.15*** |
| Examined the strengths and weaknesses of your own views on a topic or issue | 1st Yr. | 5 | 43 | 27 | 24 | 2.70 | 2.63 | 2.61 | 2.61 |
| | Senior | 8 | 33 | 37 | 22 | 2.73 | 2.66 | 2.71 | 2.71 |
| Tried to better understand someone else's views by imagining how an issue looks from his or her perspective | 1st Yr. | 3 | 27 | 54 | 16 | 2.84 | 2.78 | 2.74 | 2.78 |
| | Senior | 5 | 32 | 35 | 28 | 2.86 | 2.78 | 2.82 | 2.86** |
| Learned something that changed the way you understand an issue or concept | 1st Yr. | 0 | 43 | 38 | 19 | 2.76 | 2.83 | 2.82 | 2.87 |
| | Senior | 2 | 32 | 38 | 28 | 2.92 | 2.78 | 2.87** | 2.91*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Enriching Educational Experiences <i>Which of the following have you done or do you plan to do before you graduate from your institution?</i> | Class Rank | Percent of CHES students. . . | | | | Percent of OSU students. . . | | | | Percent of Peer Group students. . . | | | | Percent of other Doctoral-Extensive students. . . | | | |
|---|-------------------|-------------------------------|--------------------------|-------------------|-------------|------------------------------|--------------------------|-------------------|-------------|-------------------------------------|--------------------------|-------------------|-------------|---|--------------------------|-------------------|-------------|
| | | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> |
| Practicum, internship, field experience, co-op experience, or clinical assignment | 1st Yr. | 0% | 3% | 92% | 6% | 8% | 4% | 83% | 5% | 10% | 3% | 80% | 7% | 12% | 4% | 77% | 7% |
| | Senior | 2 | 1 | 31 | 66 | 6 | 16 | 21 | 56 | 7 | 15 | 21 | 57 | 8 | 15 | 25 | 52 |
| Community service or volunteer work | 1st Yr. | 0 | 3 | 31 | 67 | 10 | 5 | 34 | 51 | 10 | 5 | 39 | 47 | 13 | 6 | 41 | 39 |
| | Senior | 6 | 8 | 10 | 77 | 7 | 17 | 15 | 62 | 8 | 14 | 12 | 67 | 10 | 16 | 16 | 59 |
| Participate in a learning community or some other formal program where groups of students take two or more classes together | 1st Yr. | 9 | 23 | 26 | 43 | 25 | 29 | 23 | 22 | 28 | 28 | 21 | 24 | 31 | 26 | 23 | 20 |
| | Senior | 13 | 47 | 7 | 33 | 14 | 53 | 8 | 25 | 11 | 54 | 6 | 29 | 15 | 50 | 9 | 26 |
| Work on a research project with a faculty member outside of course or program requirements | 1st Yr. | 25 | 36 | 33 | 6 | 35 | 23 | 36 | 5 | 37 | 23 | 35 | 6 | 38 | 22 | 35 | 5 |
| | Senior | 13 | 57 | 11 | 19 | 13 | 53 | 13 | 21 | 13 | 50 | 12 | 24 | 17 | 48 | 15 | 20 |
| Foreign language coursework | 1st Yr. | 14 | 29 | 29 | 29 | 16 | 36 | 31 | 16 | 18 | 33 | 29 | 20 | 19 | 27 | 33 | 21 |
| | Senior | 3 | 52 | 8 | 37 | 6 | 50 | 10 | 34 | 6 | 43 | 7 | 45 | 9 | 40 | 10 | 42 |
| Study abroad | 1st Yr. | 14 | 25 | 58 | 3 | 23 | 25 | 48 | 4 | 28 | 22 | 48 | 2 | 29 | 25 | 43 | 3 |
| | Senior | 11 | 66 | 10 | 14 | 13 | 65 | 9 | 13 | 10 | 64 | 8 | 18 | 14 | 61 | 10 | 16 |
| Independent study or self-designed major | 1st Yr. | 22 | 56 | 17 | 6 | 30 | 55 | 13 | 2 | 31 | 54 | 13 | 2 | 33 | 48 | 16 | 3 |
| | Senior | 9 | 61 | 5 | 25 | 9 | 58 | 8 | 25 | 10 | 68 | 7 | 16 | 13 | 60 | 10 | 17 |
| Culminating senior experience (capstone course, thesis, project, comprehensive exam, etc.) | 1st Yr. | 28 | 14 | 56 | 3 | 38 | 14 | 46 | 2 | 40 | 14 | 44 | 2 | 37 | 12 | 49 | 2 |
| | Senior | 7 | 11 | 24 | 59 | 8 | 25 | 27 | 40 | 9 | 28 | 27 | 37 | 11 | 23 | 33 | 34 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Quality of Relationships <i>What best represents the quality of your relationships with people at your institution?</i> | Class Rank | Percent of CHES Students who gave the response. . . | | | | | | | CHES Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|--|------------|------------|------------|------------|------------|---------------------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = unfriendly, unsupportive</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = friendly, supportive</i> | | | | |
| Relationships with other students | 1st Yr. | 3% | 3% | 3% | 8% | 17% | 19% | 47% | 5.81 | 5.69 | 5.58 | 5.45*** |
| | Senior | 0 | 1 | 1 | 9 | 9 | 34 | 47 | 6.13 | 5.68 | 5.68 | 5.54** |
| Relationships with faculty members | 1st Yr. | <i>1 = unavailable, unhelpful</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = available, helpful</i> | 5.00 | 5.14 | 5.01* | 5.08 |
| | Senior | 3 | 3 | 8 | 17 | 31 | 25 | 14 | 5.53 | 5.27 | 5.23 | 5.29 |
| Relationships with administrative personnel and offices | 1st Yr. | <i>1 = unhelpful, inconsiderate</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = helpful, considerate</i> | 5.11 | 4.93 | 4.68*** | 4.61*** |
| | Senior | 6 | 6 | 0 | 11 | 36 | 22 | 19 | 4.95 | 4.68 | 4.52** | 4.47*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Time Usage <i>About how many hours do you spend in a typical 7-day week doing each of the following?</i> | Class Rank | Percent of CHES Students who gave the response. . . | | | | | | | | CHES Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|--|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = 0 hrs/wk</i> | <i>2 = 1 - 5 hrs/wk</i> | <i>3 = 6 - 10 hrs/wk</i> | <i>4 = 11 - 15 hrs/wk</i> | <i>5 = 16 - 20 hrs/wk</i> | <i>6 = 21 - 25 hrs/wk</i> | <i>7 = 26 - 30 hrs/wk</i> | <i>8 = > 30 hrs/wk</i> | | | | |
| Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities) | 1st Yr. | 0% | 19% | 8% | 19% | 22% | 11% | 8% | 11% | 4.67 | 4.38 | 4.37 | 4.22* |
| | Senior | 0 | 26 | 18 | 23 | 17 | 5 | 3 | 7 | 3.98 | 4.22 | 4.24 | 4.25 |
| Working for pay on campus | 1st Yr. | 72 | 6 | 3 | 17 | 0 | 3 | 0 | 0 | 1.75 | 1.62 | 1.47* | 1.52 |
| | Senior | 65 | 4 | 1 | 6 | 15 | 3 | 1 | 4 | 2.37 | 2.22 | 2.05* | 1.86*** |
| Working for pay off campus | 1st Yr. | 61 | 11 | 6 | 14 | 3 | 3 | 3 | 0 | 2.06 | 1.68 | 1.66 | 2.15*** |
| | Senior | 51 | 8 | 2 | 9 | 7 | 8 | 7 | 10 | 3.10 | 3.17 | 2.82*** | 3.55*** |
| Participating in co-curricular activities (organizations, campus publications, student government, social fraternity or sorority, intercollegiate or intramural sports, etc.) | 1st Yr. | 8 | 36 | 25 | 14 | 3 | 6 | 6 | 3 | 3.19 | 2.77 | 2.57* | 2.32*** |
| | Senior | 33 | 32 | 18 | 7 | 5 | 2 | 0 | 2 | 2.35 | 2.33 | 2.42 | 2.14*** |
| Relaxing and socializing (watching TV, partying, etc.) | 1st Yr. | 0 | 29 | 46 | 9 | 3 | 9 | 3 | 3 | 3.37 | 3.57 | 3.91*** | 3.90*** |
| | Senior | 3 | 32 | 33 | 19 | 7 | 4 | 0 | 1 | 3.14 | 3.58 | 3.75** | 3.57 |
| Providing care for dependents living with you (parents, children, spouse, etc.) | 1st Yr. | 80 | 9 | 6 | 3 | 0 | 3 | 0 | 0 | 1.43 | 1.32 | 1.33 | 1.63*** |
| | Senior | 67 | 7 | 4 | 6 | 5 | 0 | 0 | 10 | 2.23 | 2.25 | 1.65*** | 2.28 |
| Commuting to class (driving, walking, etc.) | 1st Yr. | 6 | 74 | 3 | 14 | 0 | 3 | 0 | 0 | 2.37 | 2.28 | 2.31 | 2.35 |
| | Senior | 4 | 72 | 17 | 4 | 2 | 0 | 0 | 0 | 2.28 | 2.29 | 2.33 | 2.45*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Institutional Environment <i>To what extent does your institution emphasize each of the following?</i> | Class Rank | Percent of CHES Students who gave the response. . . | | | | CHES Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|--|-----------------|------------------------|----------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Spending significant amounts of time studying and on academic work | 1st Yr. | 3% | 14% | 50% | 33% | 3.14 | 3.15 | 3.19 | 3.13 |
| | Senior | 1 | 15 | 55 | 29 | 3.12 | 3.06 | 3.11 | 3.13* |
| Providing the support you need to help you succeed academically | 1st Yr. | 6 | 9 | 44 | 41 | 3.21 | 3.10 | 3.11 | 3.04 |
| | Senior | 5 | 23 | 43 | 29 | 2.96 | 2.83 | 2.89 | 2.87 |
| Encouraging contact among students from different economic, social, and racial or ethnic backgrounds | 1st Yr. | 17 | 28 | 28 | 28 | 2.67 | 2.67 | 2.73 | 2.69 |
| | Senior | 23 | 29 | 36 | 13 | 2.39 | 2.36 | 2.45** | 2.51*** |
| Helping you cope with your non-academic responsibilities (work, family, etc.) | 1st Yr. | 22 | 50 | 22 | 6 | 2.11 | 2.23 | 2.26 | 2.23 |
| | Senior | 40 | 37 | 19 | 4 | 1.88 | 1.89 | 1.93 | 1.96 |
| Providing the support you need to thrive socially | 1st Yr. | 25 | 28 | 39 | 8 | 2.31 | 2.50 | 2.58 | 2.48 |
| | Senior | 23 | 36 | 31 | 11 | 2.30 | 2.18 | 2.28** | 2.22 |
| Attending campus events and activities (special speakers, cultural performances, athletic events, etc.) | 1st Yr. | 6 | 14 | 44 | 36 | 3.11 | 3.01 | 3.03 | 2.87*** |
| | Senior | 10 | 32 | 42 | 17 | 2.65 | 2.69 | 2.83*** | 2.68 |
| Using computers in academic work | 1st Yr. | 6 | 11 | 42 | 42 | 3.19 | 3.34 | 3.41 | 3.35 |
| | Senior | 2 | 5 | 28 | 65 | 3.55 | 3.49 | 3.51 | 3.48 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Educational and Personal Growth <i>To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?</i> | Class Rank | Percent of CHES Students who gave the response. . . | | | | CHES Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|--|-----------------|------------------------|----------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Acquiring a broad general education | 1st Yr. | 3% | 19% | 47% | 31% | 3.06 | 3.14 | 3.20 | 3.15 |
| | Senior | 2 | 19 | 33 | 46 | 3.23 | 3.13 | 3.22** | 3.23*** |
| Acquiring job or work-related knowledge and skills | 1st Yr. | 11 | 22 | 39 | 28 | 2.83 | 2.95 | 2.87 | 2.82** |
| | Senior | 7 | 13 | 28 | 53 | 3.26 | 3.05 | 3.04 | 3.06 |
| Writing clearly and effectively | 1st Yr. | 11 | 31 | 37 | 22 | 2.69 | 2.93 | 2.87 | 2.97 |
| | Senior | 7 | 23 | 31 | 39 | 3.02 | 2.95 | 3.01* | 3.06*** |
| Speaking clearly and effectively | 1st Yr. | 14 | 37 | 29 | 20 | 2.54 | 2.73 | 2.71 | 2.78 |
| | Senior | 7 | 25 | 33 | 35 | 2.97 | 2.85 | 2.91* | 2.95** |
| Thinking critically and analytically | 1st Yr. | 6 | 25 | 36 | 33 | 2.97 | 3.22 | 3.21 | 3.22 |
| | Senior | 2 | 17 | 33 | 48 | 3.27 | 3.26 | 3.34** | 3.35** |
| Analyzing quantitative problems | 1st Yr. | 11 | 33 | 36 | 19 | 2.64 | 3.02 | 3.06 | 2.97 |
| | Senior | 6 | 28 | 32 | 34 | 2.96 | 3.11 | 3.10 | 3.09 |
| Using computing and information technology | 1st Yr. | 14 | 19 | 44 | 22 | 2.75 | 3.04 | 3.12* | 3.05 |
| | Senior | 8 | 20 | 27 | 44 | 3.09 | 3.20 | 3.23 | 3.21 |
| Working effectively with others | 1st Yr. | 6 | 25 | 36 | 33 | 2.97 | 2.97 | 3.00 | 2.97 |
| | Senior | 2 | 13 | 23 | 62 | 3.44 | 3.13 | 3.16 | 3.14 |
| Voting in local, state, or national elections | 1st Yr. | 17 | 34 | 23 | 26 | 2.57 | 2.49 | 2.65** | 2.59 |
| | Senior | 29 | 33 | 22 | 16 | 2.24 | 2.09 | 2.35*** | 2.30*** |
| Learning effectively on your own | 1st Yr. | 9 | 40 | 26 | 26 | 2.69 | 2.95 | 3.03 | 2.98 |
| | Senior | 3 | 23 | 36 | 38 | 3.08 | 2.95 | 3.03** | 3.03** |
| Understanding yourself | 1st Yr. | 9 | 37 | 31 | 23 | 2.69 | 2.75 | 2.79 | 2.79 |
| | Senior | 11 | 23 | 33 | 34 | 2.89 | 2.67 | 2.77** | 2.77** |
| Understanding people of other racial and ethnic backgrounds | 1st Yr. | 11 | 40 | 26 | 23 | 2.60 | 2.62 | 2.63 | 2.68 |
| | Senior | 11 | 30 | 31 | 28 | 2.76 | 2.46 | 2.54* | 2.63*** |
| Solving complex real-world problems | 1st Yr. | 9 | 47 | 24 | 21 | 2.56 | 2.67 | 2.76 | 2.71 |
| | Senior | 11 | 23 | 36 | 30 | 2.84 | 2.71 | 2.83*** | 2.81** |
| Developing a personal code of values and ethics | 1st Yr. | 17 | 26 | 34 | 23 | 2.63 | 2.62 | 2.71 | 2.70 |
| | Senior | 18 | 17 | 34 | 31 | 2.79 | 2.51 | 2.65*** | 2.70*** |
| Contributing to the welfare of your community | 1st Yr. | 3 | 40 | 23 | 34 | 2.89 | 2.56 | 2.56 | 2.48 |
| | Senior | 19 | 26 | 32 | 24 | 2.60 | 2.31 | 2.47*** | 2.47*** |
| Developing a deepened sense of spirituality | 1st Yr. | 26 | 31 | 20 | 23 | 2.40 | 2.20 | 2.16 | 2.11 |
| | Senior | 49 | 24 | 17 | 10 | 1.88 | 1.77 | 1.86** | 1.91*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Academic Advising | Class Rank | Percent of CHES Students who gave the response. . . | | | | CHES Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|--|-----------------|-----------------|----------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = poor</i> | <i>2 = fair</i> | <i>3 = good</i> | <i>4 = excellent</i> | | | | |
| Overall, how would you evaluate the quality of academic advising you have received at your institution? | 1st Yr. | 0% | 26% | 27% | 46% | 3.20 | 3.20 | 3.12* | 2.98*** |
| | Senior | 11 | 16 | 38 | 36 | 2.98 | 2.95 | 2.84** | 2.79*** |

| Satisfaction | Class Rank | Percent of CHES Students who gave the response. . . | | | | CHES Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|--|-----------------|-----------------|----------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = poor</i> | <i>2 = fair</i> | <i>3 = good</i> | <i>4 = excellent</i> | | | | |
| How would you evaluate your entire educational experience at this institution? | 1st Yr. | 3% | 9% | 43% | 46% | 3.31 | 3.31 | 3.30 | 3.20** |
| | Senior | 1 | 8 | 40 | 51 | 3.41 | 3.21 | 3.25 | 3.19 |

| | Class Rank | <i>1 = definitely no</i> | <i>2 = probably no</i> | <i>3 = probably yes</i> | <i>4 = definitely yes</i> | CHES Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------------|-------------------------|---------------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|
| | | If you could start over again, would you go to the <i>same institution</i> you are now attending? | 1st Yr. | 0% | 6% | | | | |
| | Senior | 4 | 8 | 28 | 60 | 3.43 | 3.31 | 3.30 | 3.18*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Sample Size Information (# of students) | 1st Yr. | Senior | Total |
|---|---------|--------|--------|
| Spears School of Business | 48 | 178 | 226 |
| OSU | 476 | 938 | 1,414 |
| Selected Peer Group | 8,235 | 10,385 | 18,620 |
| Doctoral-Extensive | 24,587 | 29,320 | 53,907 |

| Academic and Intellectual Experiences <i>In your experience at this institution during the current school year, about how often have you done each of the following?</i> | Class Rank | Percent of SSB Students who gave the response. . . | | | | SSB Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|------------|--|---------------|-----------|----------------|----------------------|----------------------|-----------------------|--------------------------|
| | | 1 = never | 2 = sometimes | 3 = often | 4 = very often | | | | |
| Asked questions in class or contributed to class discussions | 1st Yr. | 0% | 51% | 32% | 17% | 2.66 | 2.70 | 2.56*** | 2.75 |
| | Senior | 7 | 35 | 29 | 28 | 2.78 | 2.87 | 2.92 | 3.04*** |
| Made a class presentation | 1st Yr. | 26 | 57 | 13 | 4 | 1.96 | 2.04 | 1.99 | 2.18*** |
| | Senior | 7 | 35 | 38 | 19 | 2.69 | 2.66 | 2.67 | 2.73* |
| Prepared two or more drafts of a paper or assignment before turning it in | 1st Yr. | 15 | 30 | 30 | 26 | 2.66 | 2.62 | 2.40*** | 2.62 |
| | Senior | 20 | 38 | 25 | 18 | 2.40 | 2.39 | 2.34 | 2.44 |
| Worked on a paper or project that required integrating ideas or information from various sources | 1st Yr. | 0 | 28 | 44 | 28 | 3.00 | 3.07 | 2.90*** | 3.07 |
| | Senior | 3 | 21 | 37 | 39 | 3.13 | 3.24 | 3.26 | 3.29 |
| Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments | 1st Yr. | 2 | 32 | 49 | 17 | 2.81 | 2.69 | 2.61 | 2.79* |
| | Senior | 12 | 42 | 27 | 20 | 2.54 | 2.51 | 2.64*** | 2.76*** |
| Come to class without completing readings or assignments | 1st Yr. | 17 | 57 | 17 | 9 | 2.17 | 2.20 | 2.16 | 2.08** |
| | Senior | 14 | 49 | 25 | 12 | 2.34 | 2.32 | 2.28 | 2.18*** |
| Worked with other students on projects during class | 1st Yr. | 13 | 43 | 36 | 9 | 2.40 | 2.43 | 2.38 | 2.42 |
| | Senior | 10 | 44 | 30 | 16 | 2.53 | 2.52 | 2.47 | 2.53 |
| Worked with classmates outside of class to prepare class assignments | 1st Yr. | 21 | 43 | 26 | 11 | 2.26 | 2.48 | 2.51 | 2.45 |
| | Senior | 3 | 22 | 41 | 35 | 3.07 | 2.96 | 2.95 | 2.83*** |
| Put together ideas or concepts from different courses when completing assignments or during class discussions | 1st Yr. | 4 | 59 | 24 | 13 | 2.46 | 2.54 | 2.56 | 2.64** |
| | Senior | 6 | 31 | 44 | 19 | 2.77 | 2.88 | 2.95* | 2.96** |
| Tutored or taught other students (paid or voluntary) | 1st Yr. | 46 | 37 | 9 | 9 | 1.80 | 1.73 | 1.79 | 1.72 |
| | Senior | 50 | 32 | 12 | 6 | 1.74 | 1.98 | 1.89** | 1.88** |
| Participated in a community-based project (e.g. service learning) as part of a regular course | 1st Yr. | 65 | 22 | 11 | 2 | 1.50 | 1.53 | 1.56 | 1.54 |
| | Senior | 65 | 23 | 6 | 5 | 1.51 | 1.53 | 1.63*** | 1.65*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Academic and Intellectual Experiences <i>(continued)</i> | Class Rank | Percent of SSB Students who gave the response. . . | | | | SSB Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|----------------------|------------------|-----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = never</i> | <i>2 = sometimes</i> | <i>3 = often</i> | <i>4 = very often</i> | | | | |
| Used an electronic medium (listserv, chat group, Internet, instant messaging, etc.) to discuss or complete an assignment | 1st Yr. | 11% | 50% | 20% | 20% | 2.48 | 2.60 | 2.69 | 2.69 |
| | Senior | 9 | 34 | 31 | 27 | 2.76 | 2.76 | 2.85* | 2.87** |
| Used e-mail to communicate with an instructor | 1st Yr. | 0 | 20 | 35 | 45 | 3.26 | 3.16 | 3.12 | 3.16 |
| | Senior | 1 | 14 | 35 | 51 | 3.36 | 3.36 | 3.42* | 3.41 |
| Discussed grades or assignments with an instructor | 1st Yr. | 7 | 37 | 39 | 17 | 2.67 | 2.68 | 2.53*** | 2.59* |
| | Senior | 6 | 40 | 32 | 22 | 2.70 | 2.83 | 2.79 | 2.78 |
| Talked about career plans with a faculty member or advisor | 1st Yr. | 11 | 63 | 15 | 11 | 2.26 | 2.39 | 2.20*** | 2.16*** |
| | Senior | 29 | 45 | 19 | 7 | 2.04 | 2.40 | 2.39 | 2.37 |
| Discussed ideas from your readings or classes with faculty members outside of class | 1st Yr. | 39 | 44 | 11 | 7 | 1.85 | 1.81 | 1.76 | 1.84 |
| | Senior | 39 | 45 | 11 | 6 | 1.84 | 1.99 | 2.00 | 2.06* |
| Received prompt feedback from faculty on your academic performance (written or oral) | 1st Yr. | 7 | 46 | 34 | 14 | 2.55 | 2.60 | 2.50* | 2.62 |
| | Senior | 8 | 45 | 36 | 11 | 2.50 | 2.62 | 2.68* | 2.74*** |
| Worked harder than you thought you could to meet an instructor's standards or expectations | 1st Yr. | 5 | 39 | 48 | 9 | 2.61 | 2.61 | 2.59 | 2.64 |
| | Senior | 12 | 38 | 34 | 16 | 2.55 | 2.60 | 2.62 | 2.71*** |
| Worked with faculty members on activities other than course work (committees, orientation, student life activities, etc.) | 1st Yr. | 59 | 34 | 2 | 5 | 1.52 | 1.68 | 1.58* | 1.60 |
| | Senior | 50 | 35 | 9 | 6 | 1.72 | 1.88 | 1.86 | 1.81* |
| Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.) | 1st Yr. | 16 | 39 | 23 | 23 | 2.52 | 2.65 | 2.72 | 2.75* |
| | Senior | 6 | 38 | 35 | 20 | 2.69 | 2.79 | 2.83 | 2.90*** |
| Had serious conversations with students of a different race or ethnicity than your own | 1st Yr. | 21 | 52 | 16 | 11 | 2.18 | 2.39 | 2.56*** | 2.62*** |
| | Senior | 17 | 37 | 29 | 18 | 2.48 | 2.54 | 2.67*** | 2.71*** |
| Had serious conversations with students who are very different from you in terms of their religious beliefs, political opinions, or personal values | 1st Yr. | 14 | 46 | 18 | 23 | 2.50 | 2.58 | 2.70* | 2.72** |
| | Senior | 9 | 39 | 33 | 19 | 2.61 | 2.67 | 2.79*** | 2.76** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Mental Activities <i>During the current year, how much has your coursework emphasized the following mental activities?</i> | Class Rank | Percent of SSB Students who gave the response. . . | | | | SSB Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|-----------------|------------------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Memorizing facts, ideas, or methods from your courses and readings | 1st Yr. | 7% | 12% | 54% | 28% | 3.02 | 2.98 | 3.00 | 2.96 |
| | Senior | 9 | 29 | 42 | 21 | 2.74 | 2.81 | 2.84 | 2.79 |
| Analyzing the basic elements of an idea, experience, or theory | 1st Yr. | 5 | 21 | 42 | 33 | 3.02 | 3.14 | 3.14 | 3.15 |
| | Senior | 0 | 19 | 50 | 32 | 3.13 | 3.16 | 3.26*** | 3.28*** |
| Synthesizing and organizing ideas, information, or experiences | 1st Yr. | 5 | 23 | 51 | 21 | 2.88 | 2.90 | 2.89 | 2.93 |
| | Senior | 4 | 35 | 43 | 19 | 2.76 | 2.88 | 3.00*** | 3.06*** |
| Making judgments about the value of information, arguments, or methods | 1st Yr. | 7 | 30 | 44 | 19 | 2.74 | 2.84 | 2.86 | 2.91 |
| | Senior | 7 | 30 | 42 | 21 | 2.77 | 2.87 | 2.96** | 3.01*** |
| Applying theories or concepts to practical problems or in new situations | 1st Yr. | 7 | 26 | 44 | 23 | 2.84 | 3.10 | 3.10 | 3.08 |
| | Senior | 1 | 26 | 41 | 32 | 3.05 | 3.19 | 3.22 | 3.23 |

| Reading and Writing <i>During the current school year, about how much reading and writing have you done?</i> | Class Rank | Percent of SSB Students who gave the response. . . | | | | | SSB Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------|-------------------|--------------------|--------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = none</i> | <i>2 = 1 - 4</i> | <i>3 = 5 - 10</i> | <i>4 = 11 - 20</i> | <i>5 = > 20</i> | | | | |
| Number of assigned textbooks, books, or book-length packs of course readings | 1st Yr. | 0% | 28% | 49% | 12% | 12% | 3.07 | 3.04 | 3.15* | 3.26*** |
| | Senior | 2 | 33 | 40 | 16 | 9 | 2.98 | 2.94 | 3.08*** | 3.16*** |
| Number of books read on your own (not assigned) for personal enjoyment or academic enrichment | 1st Yr. | 28 | 63 | 9 | 0 | 0 | 1.81 | 2.00 | 2.02 | 2.06 |
| | Senior | 22 | 52 | 15 | 7 | 5 | 2.23 | 2.20 | 2.20 | 2.20 |
| Number of written papers or reports of 20 pages or more | 1st Yr. | 86 | 7 | 5 | 2 | 0 | 1.23 | 1.23 | 1.19 | 1.28 |
| | Senior | 49 | 43 | 7 | 1 | 1 | 1.63 | 1.61 | 1.58 | 1.64 |
| Number of written papers or reports between 5 and 19 pages | 1st Yr. | 7 | 61 | 21 | 9 | 2 | 2.40 | 2.31 | 2.07*** | 2.30 |
| | Senior | 14 | 56 | 21 | 6 | 2 | 2.26 | 2.40 | 2.45 | 2.50*** |
| Number of written papers or reports of fewer than 5 pages | 1st Yr. | 0 | 33 | 37 | 23 | 7 | 3.05 | 2.96 | 2.84* | 3.04 |
| | Senior | 5 | 39 | 30 | 18 | 8 | 2.83 | 2.94 | 2.99 | 2.97 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Problem Sets <i>In a typical week, how many homework problem sets do you complete?</i> | Class Rank | Percent of SSB Students who gave the response. . . | | | | | SSB Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------|------------------|------------------|-------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = none</i> | <i>2 = 1 - 2</i> | <i>3 = 3 - 4</i> | <i>4 = 5 - 6</i> | <i>5 = > 6</i> | | | | |
| Number of problem sets that take you more than an hour to complete | 1st Yr. | 9% | 33% | 35% | 5% | 19% | 2.91 | 2.95 | 2.71*** | 2.70*** |
| | Senior | 11 | 38 | 25 | 11 | 15 | 2.81 | 2.68 | 2.53*** | 2.63 |
| Number of problem sets that take you less than an hour to complete | 1st Yr. | 12 | 42 | 30 | 12 | 5 | 2.56 | 2.64 | 2.79* | 2.77* |
| | Senior | 15 | 32 | 26 | 14 | 14 | 2.78 | 2.29 | 2.29 | 2.35 |

| Examinations | Class Rank | Percent of SSB Students who gave the response... | | | | | | | SSB Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------|------------|------------|------------|------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = very much</i> | | | | |
| To what extent have your exams during the current school year challenged you to do your best work? | 1st Yr. | 0% | 2% | 5% | 7% | 34% | 30% | 23% | 5.52 | 5.64 | 5.60 | 5.45*** |
| | Senior | 0 | 1 | 7 | 14 | 27 | 38 | 13 | 5.34 | 5.31 | 5.40 | 5.45** |

| Additional Collegiate Experiences <i>During the current school year, about how often have you done each of the following?</i> | Class Rank | Percent of SSB Students who gave the response. . . | | | | SSB Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|----------------------|------------------|-----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = never</i> | <i>2 = sometimes</i> | <i>3 = often</i> | <i>4 = very often</i> | | | | |
| Attended an art exhibit, gallery, play, dance, or other theatre performance | 1st Yr. | 27% | 52% | 14% | 7% | 2.00 | 2.02 | 2.10 | 2.18*** |
| | Senior | 39 | 44 | 15 | 2 | 1.80 | 1.90 | 1.99** | 2.07*** |
| Exercised or participated in physical fitness activities | 1st Yr. | 5 | 30 | 26 | 40 | 3.00 | 2.99 | 3.01 | 2.83*** |
| | Senior | 14 | 28 | 21 | 38 | 2.82 | 2.81 | 2.95*** | 2.74 |
| Participated in activities to enhance your spirituality (worship, meditation, prayer, etc.) | 1st Yr. | 18 | 36 | 18 | 27 | 2.55 | 2.43 | 2.27** | 2.05*** |
| | Senior | 27 | 32 | 17 | 24 | 2.39 | 2.37 | 2.20*** | 2.15*** |
| Examined the strengths and weaknesses of your own views on a topic or issue | 1st Yr. | 11 | 39 | 36 | 14 | 2.52 | 2.63 | 2.61 | 2.61 |
| | Senior | 7 | 33 | 41 | 19 | 2.72 | 2.66 | 2.71 | 2.71 |
| Tried to better understand someone else's views by imagining how an issue looks from his or her perspective | 1st Yr. | 5 | 46 | 39 | 11 | 2.57 | 2.78 | 2.74 | 2.78 |
| | Senior | 8 | 25 | 36 | 31 | 2.89 | 2.78 | 2.82 | 2.86** |
| Learned something that changed the way you understand an issue or concept | 1st Yr. | 5 | 41 | 36 | 18 | 2.68 | 2.83 | 2.82 | 2.87 |
| | Senior | 1 | 42 | 34 | 23 | 2.78 | 2.78 | 2.87** | 2.91*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Enriching Educational Experiences <i>Which of the following have you done or do you plan to do before you graduate from your institution?</i> | Class Rank | Percent of SSB students. . . | | | | Percent of OSU students. . . | | | | Percent of Peer Group students. . . | | | | Percent of other Doctoral-Extensive students. . . | | | |
|--|------------|------------------------------|--------------------------|-------------------|-------------|------------------------------|--------------------------|-------------------|-------------|-------------------------------------|--------------------------|-------------------|-------------|---|--------------------------|-------------------|-------------|
| | | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> |
| Practicum, internship, field experience, co-op experience, or clinical assignment | 1st Yr. | 5% | 0% | 88% | 7% | 8% | 4% | 83% | 5% | 10% | 3% | 80% | 7% | 12% | 4% | 77% | 7% |
| | Senior | 11 | 29 | 20 | 40 | 6 | 16 | 21 | 56 | 7 | 15 | 21 | 57 | 8 | 15 | 25 | 52 |
| Community service or volunteer work | 1st Yr. | 10 | 7 | 34 | 50 | 10 | 5 | 34 | 51 | 10 | 5 | 39 | 47 | 13 | 6 | 41 | 39 |
| | Senior | 8 | 17 | 17 | 58 | 7 | 17 | 15 | 62 | 8 | 14 | 12 | 67 | 10 | 16 | 16 | 59 |
| Participate in a learning community or some other formal program where groups of students take two or more classes together | 1st Yr. | 22 | 24 | 15 | 39 | 25 | 29 | 23 | 22 | 28 | 28 | 21 | 24 | 31 | 26 | 23 | 20 |
| | Senior | 16 | 63 | 5 | 16 | 14 | 53 | 8 | 25 | 11 | 54 | 6 | 29 | 15 | 50 | 9 | 26 |
| Work on a research project with a faculty member outside of course or program requirements | 1st Yr. | 37 | 29 | 34 | 0 | 35 | 23 | 36 | 5 | 37 | 23 | 35 | 6 | 38 | 22 | 35 | 5 |
| | Senior | 14 | 64 | 11 | 11 | 13 | 53 | 13 | 21 | 13 | 50 | 12 | 24 | 17 | 48 | 15 | 20 |
| Foreign language coursework | 1st Yr. | 15 | 44 | 21 | 21 | 16 | 36 | 31 | 16 | 18 | 33 | 29 | 20 | 19 | 27 | 33 | 21 |
| | Senior | 5 | 53 | 15 | 27 | 6 | 50 | 10 | 34 | 6 | 43 | 7 | 45 | 9 | 40 | 10 | 42 |
| Study abroad | 1st Yr. | 22 | 27 | 44 | 7 | 23 | 25 | 48 | 4 | 28 | 22 | 48 | 2 | 29 | 25 | 43 | 3 |
| | Senior | 13 | 66 | 13 | 8 | 13 | 65 | 9 | 13 | 10 | 64 | 8 | 18 | 14 | 61 | 10 | 16 |
| Independent study or self-designed major | 1st Yr. | 20 | 60 | 15 | 5 | 30 | 55 | 13 | 2 | 31 | 54 | 13 | 2 | 33 | 48 | 16 | 3 |
| | Senior | 7 | 58 | 10 | 26 | 9 | 58 | 8 | 25 | 10 | 68 | 7 | 16 | 13 | 60 | 10 | 17 |
| Culminating senior experience (capstone course, thesis, project, comprehensive exam, etc.) | 1st Yr. | 42 | 17 | 42 | 0 | 38 | 14 | 46 | 2 | 40 | 14 | 44 | 2 | 37 | 12 | 49 | 2 |
| | Senior | 12 | 35 | 23 | 30 | 8 | 25 | 27 | 40 | 9 | 28 | 27 | 37 | 11 | 23 | 33 | 34 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Quality of Relationships <i>What best represents the quality of your relationships with people at your institution?</i> | Class Rank | Percent of SSB Students who gave the response. . . | | | | | | | SSB Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|------------|--|------------|------------|------------|------------|------------|---------------------------------|----------------------|----------------------|-----------------------|--------------------------|
| | | <i>1 = unfriendly, unsupportive</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = friendly, supportive</i> | | | | |
| Relationships with other students | 1st Yr. | 0% | 0% | 7% | 17% | 20% | 27% | 29% | 5.54 | 5.69 | 5.58 | 5.45*** |
| | Senior | 1 | 1 | 5 | 11 | 19 | 35 | 27 | 5.61 | 5.68 | 5.68 | 5.54** |
| Relationships with faculty members | 1st Yr. | <i>1 = unavailable, unhelpful</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = available, helpful</i> | 4.93 | 5.14 | 5.01* | 5.08 |
| | Senior | 1 | 3 | 6 | 21 | 28 | 29 | 13 | 5.11 | 5.27 | 5.23 | 5.29 |
| Relationships with administrative personnel and offices | 1st Yr. | <i>1 = unhelpful, inconsiderate</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = helpful, considerate</i> | 4.63 | 4.93 | 4.68*** | 4.61*** |
| | Senior | 5 | 5 | 7 | 32 | 22 | 15 | 15 | 4.63 | 4.68 | 4.52** | 4.47*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Time Usage <i>About how many hours do you spend in a typical 7-day week doing each of the following?</i> | Class Rank | Percent of SSB Students who gave the response. . . | | | | | | | | SSB Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|------------|--|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------|----------------------|----------------------|-----------------------|--------------------------|
| | | 1 = 0 hrs/wk | 2 = 1 - 5 hrs/wk | 3 = 6 - 10 hrs/wk | 4 = 11 - 15 hrs/wk | 5 = 16 - 20 hrs/wk | 6 = 21 - 25 hrs/wk | 7 = 26 - 30 hrs/wk | 8 = > 30 hrs/wk | | | | |
| Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities) | 1st Yr. | 0% | 12% | 27% | 37% | 15% | 10% | 0% | 0% | 3.83 | 4.38 | 4.37 | 4.22* |
| | Senior | 1 | 23 | 27 | 20 | 13 | 8 | 2 | 6 | 3.83 | 4.22 | 4.24 | 4.25 |
| Working for pay on campus | 1st Yr. | 78 | 5 | 2 | 0 | 10 | 5 | 0 | 0 | 1.73 | 1.62 | 1.47* | 1.52 |
| | Senior | 75 | 2 | 1 | 5 | 9 | 3 | 1 | 4 | 2.02 | 2.22 | 2.05* | 1.86*** |
| Working for pay off campus | 1st Yr. | 80 | 5 | 0 | 5 | 5 | 3 | 3 | 0 | 1.68 | 1.68 | 1.66 | 2.15*** |
| | Senior | 49 | 3 | 5 | 5 | 8 | 6 | 2 | 21 | 3.54 | 3.17 | 2.82*** | 3.55*** |
| Participating in co-curricular activities (organizations, campus publications, student government, social fraternity or sorority, intercollegiate or intramural sports, etc.) | 1st Yr. | 20 | 30 | 17 | 15 | 7 | 5 | 5 | 2 | 3.07 | 2.77 | 2.57* | 2.32*** |
| | Senior | 45 | 26 | 11 | 7 | 5 | 2 | 1 | 2 | 2.23 | 2.33 | 2.42 | 2.14*** |
| Relaxing and socializing (watching TV, partying, etc.) | 1st Yr. | 3 | 20 | 33 | 25 | 13 | 3 | 3 | 3 | 3.55 | 3.57 | 3.91*** | 3.90*** |
| | Senior | 1 | 24 | 24 | 21 | 16 | 6 | 4 | 4 | 3.79 | 3.58 | 3.75** | 3.57 |
| Providing care for dependents living with you (parents, children, spouse, etc.) | 1st Yr. | 83 | 15 | 2 | 0 | 0 | 0 | 0 | 0 | 1.20 | 1.32 | 1.33 | 1.63*** |
| | Senior | 57 | 12 | 8 | 4 | 6 | 1 | 2 | 11 | 2.57 | 2.25 | 1.65*** | 2.28 |
| Commuting to class (driving, walking, etc.) | 1st Yr. | 2 | 88 | 7 | 2 | 0 | 0 | 0 | 0 | 2.10 | 2.28 | 2.31 | 2.35 |
| | Senior | 7 | 76 | 11 | 3 | 2 | 1 | 0 | 1 | 2.24 | 2.29 | 2.33 | 2.45*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Institutional Environment <i>To what extent does your institution emphasize each of the following?</i> | Class Rank | Percent of SSB Students who gave the response. . . | | | | SSB Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|-----------------|------------------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Spending significant amounts of time studying and on academic work | 1st Yr. | 2% | 15% | 51% | 32% | 3.12 | 3.15 | 3.19 | 3.13 |
| | Senior | 3 | 22 | 46 | 29 | 3.01 | 3.06 | 3.11 | 3.13* |
| Providing the support you need to help you succeed academically | 1st Yr. | 2 | 17 | 51 | 29 | 3.07 | 3.10 | 3.11 | 3.04 |
| | Senior | 4 | 33 | 48 | 15 | 2.74 | 2.83 | 2.89 | 2.87 |
| Encouraging contact among students from different economic, social, and racial or ethnic backgrounds | 1st Yr. | 15 | 34 | 37 | 15 | 2.51 | 2.67 | 2.73 | 2.69 |
| | Senior | 19 | 40 | 26 | 16 | 2.38 | 2.36 | 2.45** | 2.51*** |
| Helping you cope with your non-academic responsibilities (work, family, etc.) | 1st Yr. | 26 | 44 | 26 | 5 | 2.10 | 2.23 | 2.26 | 2.23 |
| | Senior | 42 | 37 | 14 | 7 | 1.87 | 1.89 | 1.93 | 1.96 |
| Providing the support you need to thrive socially | 1st Yr. | 20 | 40 | 30 | 10 | 2.30 | 2.50 | 2.58 | 2.48 |
| | Senior | 28 | 40 | 24 | 8 | 2.12 | 2.18 | 2.28** | 2.22 |
| Attending campus events and activities (special speakers, cultural performances, athletic events, etc.) | 1st Yr. | 2 | 29 | 42 | 27 | 2.93 | 3.01 | 3.03 | 2.87*** |
| | Senior | 10 | 28 | 38 | 24 | 2.77 | 2.69 | 2.83*** | 2.68 |
| Using computers in academic work | 1st Yr. | 0 | 12 | 54 | 34 | 3.22 | 3.34 | 3.41 | 3.35 |
| | Senior | 2 | 11 | 33 | 54 | 3.40 | 3.49 | 3.51 | 3.48 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Educational and Personal Growth <i>To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?</i> | Class Rank | Percent of SSB Students who gave the response. . . | | | | SSB Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|-----------------|------------------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Acquiring a broad general education | 1st Yr. | 5% | 18% | 40% | 38% | 3.10 | 3.14 | 3.20 | 3.15 |
| | Senior | 5 | 14 | 41 | 40 | 3.16 | 3.13 | 3.22** | 3.23*** |
| Acquiring job or work-related knowledge and skills | 1st Yr. | 13 | 13 | 50 | 25 | 2.88 | 2.95 | 2.87 | 2.82** |
| | Senior | 7 | 22 | 36 | 35 | 3.00 | 3.05 | 3.04 | 3.06 |
| Writing clearly and effectively | 1st Yr. | 5 | 28 | 43 | 25 | 2.88 | 2.93 | 2.87 | 2.97 |
| | Senior | 4 | 30 | 37 | 29 | 2.92 | 2.95 | 3.01* | 3.06*** |
| Speaking clearly and effectively | 1st Yr. | 10 | 35 | 38 | 18 | 2.63 | 2.73 | 2.71 | 2.78 |
| | Senior | 6 | 30 | 37 | 28 | 2.87 | 2.85 | 2.91* | 2.95** |
| Thinking critically and analytically | 1st Yr. | 5 | 13 | 62 | 21 | 2.97 | 3.22 | 3.21 | 3.22 |
| | Senior | 3 | 15 | 38 | 44 | 3.24 | 3.26 | 3.34** | 3.35** |
| Analyzing quantitative problems | 1st Yr. | 8 | 18 | 59 | 15 | 2.82 | 3.02 | 3.06 | 2.97 |
| | Senior | 5 | 17 | 40 | 38 | 3.11 | 3.11 | 3.10 | 3.09 |
| Using computing and information technology | 1st Yr. | 3 | 21 | 51 | 26 | 3.00 | 3.04 | 3.12* | 3.05 |
| | Senior | 7 | 17 | 31 | 45 | 3.15 | 3.20 | 3.23 | 3.21 |
| Working effectively with others | 1st Yr. | 8 | 26 | 51 | 15 | 2.74 | 2.97 | 3.00 | 2.97 |
| | Senior | 2 | 25 | 35 | 38 | 3.10 | 3.13 | 3.16 | 3.14 |
| Voting in local, state, or national elections | 1st Yr. | 16 | 40 | 26 | 18 | 2.47 | 2.49 | 2.65** | 2.59 |
| | Senior | 34 | 32 | 23 | 11 | 2.11 | 2.09 | 2.35*** | 2.30*** |
| Learning effectively on your own | 1st Yr. | 5 | 34 | 47 | 13 | 2.68 | 2.95 | 3.03 | 2.98 |
| | Senior | 5 | 27 | 44 | 24 | 2.88 | 2.95 | 3.03** | 3.03** |
| Understanding yourself | 1st Yr. | 5 | 42 | 40 | 13 | 2.61 | 2.75 | 2.79 | 2.79 |
| | Senior | 14 | 31 | 33 | 21 | 2.62 | 2.67 | 2.77** | 2.77** |
| Understanding people of other racial and ethnic backgrounds | 1st Yr. | 11 | 47 | 32 | 11 | 2.42 | 2.62 | 2.63 | 2.68 |
| | Senior | 18 | 37 | 28 | 17 | 2.45 | 2.46 | 2.54* | 2.63*** |
| Solving complex real-world problems | 1st Yr. | 11 | 47 | 29 | 13 | 2.45 | 2.67 | 2.76 | 2.71 |
| | Senior | 9 | 37 | 37 | 18 | 2.63 | 2.71 | 2.83*** | 2.81** |
| Developing a personal code of values and ethics | 1st Yr. | 3 | 50 | 34 | 13 | 2.58 | 2.62 | 2.71 | 2.70 |
| | Senior | 21 | 34 | 28 | 18 | 2.41 | 2.51 | 2.65*** | 2.70*** |
| Contributing to the welfare of your community | 1st Yr. | 13 | 40 | 30 | 19 | 2.53 | 2.56 | 2.56 | 2.48 |
| | Senior | 24 | 38 | 29 | 9 | 2.24 | 2.31 | 2.47*** | 2.47*** |
| Developing a deepened sense of spirituality | 1st Yr. | 29 | 40 | 21 | 11 | 2.13 | 2.20 | 2.16 | 2.11 |
| | Senior | 57 | 21 | 14 | 8 | 1.74 | 1.77 | 1.86** | 1.91*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Academic Advising | Class Rank | Percent of SSB Students who gave the response. . . | | | | SSB Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|-----------------|-----------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = poor</i> | <i>2 = fair</i> | <i>3 = good</i> | <i>4 = excellent</i> | | | | |
| Overall, how would you evaluate the quality of academic advising you have received at your institution? | 1st Yr. | 5% | 10% | 59% | 26% | 3.05 | 3.20 | 3.12* | 2.98*** |
| | Senior | 9 | 25 | 39 | 27 | 2.83 | 2.95 | 2.84** | 2.79*** |

| Satisfaction | Class Rank | Percent of SSB Students who gave the response. . . | | | | SSB Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|-----------------|-----------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = poor</i> | <i>2 = fair</i> | <i>3 = good</i> | <i>4 = excellent</i> | | | | |
| How would you evaluate your entire educational experience at this institution? | 1st Yr. | 3% | 3% | 69% | 26% | 3.18 | 3.31 | 3.30 | 3.20** |
| | Senior | 1 | 13 | 53 | 34 | 3.20 | 3.21 | 3.25 | 3.19 |

| | Class Rank | <i>1 = definitely no</i> | <i>2 = probably no</i> | <i>3 = probably yes</i> | <i>4 = definitely yes</i> | SSB Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | If you could start over again, would you go to the <i>same institution</i> you are now attending? | 1st Yr. | 0% | 13% | | | | |
| | Senior | 2 | 9 | 40 | 49 | 3.36 | 3.31 | 3.30 | 3.18*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Sample Size Information (# of students) | 1st Yr. | Senior | Total |
|---|---------|--------|--------|
| University Academic Services**** | 35 | 2 | 37 |
| OSU | 476 | 938 | 1,414 |
| Selected Peer Group | 8,235 | 10,385 | 18,620 |
| Doctoral-Extensive | 24,587 | 29,320 | 53,907 |

**** UAS senior is not reported due to insufficient sample size of 2

| Academic and Intellectual Experiences <i>In your experience at this institution during the current school year, about how often have you done each of the following?</i> | Class Rank | Percent of UAS Students who gave the response. . . | | | | UAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|------------|--|---------------|-----------|----------------|----------------------|----------------------|-----------------------|--------------------------|
| | | 1 = never | 2 = sometimes | 3 = often | 4 = very often | | | | |
| Asked questions in class or contributed to class discussions | 1st Yr. | 6% | 46% | 30% | 18% | 2.61 | 2.70 | 2.56*** | 2.75 |
| | Senior | -- | -- | -- | -- | -- | 2.87 | 2.92 | 3.04*** |
| Made a class presentation | 1st Yr. | 17 | 66 | 11 | 6 | 2.06 | 2.04 | 1.99 | 2.18*** |
| | Senior | -- | -- | -- | -- | -- | 2.66 | 2.67 | 2.73* |
| Prepared two or more drafts of a paper or assignment before turning it in | 1st Yr. | 6 | 31 | 31 | 31 | 2.89 | 2.62 | 2.40*** | 2.62 |
| | Senior | -- | -- | -- | -- | -- | 2.39 | 2.34 | 2.44 |
| Worked on a paper or project that required integrating ideas or information from various sources | 1st Yr. | 6 | 9 | 53 | 32 | 3.12 | 3.07 | 2.90*** | 3.07 |
| | Senior | -- | -- | -- | -- | -- | 3.24 | 3.26 | 3.29 |
| Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments | 1st Yr. | 6 | 34 | 31 | 29 | 2.83 | 2.69 | 2.61 | 2.79* |
| | Senior | -- | -- | -- | -- | -- | 2.51 | 2.64*** | 2.76*** |
| Come to class without completing readings or assignments | 1st Yr. | 17 | 60 | 11 | 11 | 2.17 | 2.20 | 2.16 | 2.08** |
| | Senior | -- | -- | -- | -- | -- | 2.32 | 2.28 | 2.18*** |
| Worked with other students on projects during class | 1st Yr. | 3 | 49 | 37 | 11 | 2.57 | 2.43 | 2.38 | 2.42 |
| | Senior | -- | -- | -- | -- | -- | 2.52 | 2.47 | 2.53 |
| Worked with classmates outside of class to prepare class assignments | 1st Yr. | 14 | 49 | 23 | 14 | 2.37 | 2.48 | 2.51 | 2.45 |
| | Senior | -- | -- | -- | -- | -- | 2.96 | 2.95 | 2.83*** |
| Put together ideas or concepts from different courses when completing assignments or during class discussions | 1st Yr. | 3 | 46 | 33 | 18 | 2.67 | 2.54 | 2.56 | 2.64** |
| | Senior | -- | -- | -- | -- | -- | 2.88 | 2.95* | 2.96** |
| Tutored or taught other students (paid or voluntary) | 1st Yr. | 50 | 44 | 0 | 6 | 1.62 | 1.73 | 1.79 | 1.72 |
| | Senior | -- | -- | -- | -- | -- | 1.98 | 1.89** | 1.88** |
| Participated in a community-based project (e.g. service learning) as part of a regular course | 1st Yr. | 53 | 27 | 9 | 12 | 1.79 | 1.53 | 1.56 | 1.54 |
| | Senior | -- | -- | -- | -- | -- | 1.53 | 1.63*** | 1.65*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Academic and Intellectual Experiences <i>(continued)</i> | <i>In your experience at this institution during the current school year, about how often have you done each of the following?</i> | Percent of UAS Students who gave the response. . . | | | | UAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|--|---|--------------------------|----------------------|---------------------------|-------------------------------------|-------------------------------------|--------------------------------------|---|
| | | <i>1 = never</i> | <i>2 = sometimes</i> | <i>3 = often</i> | <i>4 = very often</i> | | | | |
| Used an electronic medium (listserv, chat group, Internet, instant messaging, etc.) to discuss or complete an assignment | 1st Yr. | 32% | 27% | 21% | 21% | 2.29 | 2.60 | 2.69 | 2.69 |
| | Senior | -- | -- | -- | -- | -- | 2.76 | 2.85* | 2.87** |
| Used e-mail to communicate with an instructor | 1st Yr. | 0 | 9 | 44 | 47 | 3.38 | 3.16 | 3.12 | 3.16 |
| | Senior | -- | -- | -- | -- | -- | 3.36 | 3.42* | 3.41 |
| Discussed grades or assignments with an instructor | 1st Yr. | 0 | 29 | 47 | 23 | 2.94 | 2.68 | 2.53*** | 2.59* |
| | Senior | -- | -- | -- | -- | -- | 2.83 | 2.79 | 2.78 |
| Talked about career plans with a faculty member or advisor | 1st Yr. | 15 | 38 | 29 | 18 | 2.50 | 2.39 | 2.20*** | 2.16*** |
| | Senior | -- | -- | -- | -- | -- | 2.40 | 2.39 | 2.37 |
| Discussed ideas from your readings or classes with faculty members outside of class | 1st Yr. | 29 | 41 | 21 | 9 | 2.09 | 1.81 | 1.76 | 1.84 |
| | Senior | -- | -- | -- | -- | -- | 1.99 | 2.00 | 2.06* |
| Received prompt feedback from faculty on your academic performance (written or oral) | 1st Yr. | 9 | 35 | 38 | 18 | 2.65 | 2.60 | 2.50* | 2.62 |
| | Senior | -- | -- | -- | -- | -- | 2.62 | 2.68* | 2.74*** |
| Worked harder than you thought you could to meet an instructor's standards or expectations | 1st Yr. | 0 | 50 | 32 | 18 | 2.68 | 2.61 | 2.59 | 2.64 |
| | Senior | -- | -- | -- | -- | -- | 2.60 | 2.62 | 2.71*** |
| Worked with faculty members on activities other than course work (committees, orientation, student life activities, etc.) | 1st Yr. | 47 | 35 | 12 | 6 | 1.76 | 1.68 | 1.58* | 1.60 |
| | Senior | -- | -- | -- | -- | -- | 1.88 | 1.86 | 1.81* |
| Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.) | 1st Yr. | 6 | 46 | 27 | 21 | 2.64 | 2.65 | 2.72 | 2.75* |
| | Senior | -- | -- | -- | -- | -- | 2.79 | 2.83 | 2.90*** |
| Had serious conversations with students of a different race or ethnicity than your own | 1st Yr. | 35 | 21 | 18 | 27 | 2.35 | 2.39 | 2.56*** | 2.62*** |
| | Senior | -- | -- | -- | -- | -- | 2.54 | 2.67*** | 2.71*** |
| Had serious conversations with students who are very different from you in terms of their religious beliefs, political opinions, or personal values | 1st Yr. | 29 | 21 | 24 | 27 | 2.47 | 2.58 | 2.70* | 2.72** |
| | Senior | -- | -- | -- | -- | -- | 2.67 | 2.79*** | 2.76** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Mental Activities <i>During the current year, how much has your coursework emphasized the following mental activities?</i> | Class Rank | Percent of UAS Students who gave the response. . . | | | | UAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|-----------------|------------------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Memorizing facts, ideas, or methods from your courses and readings | 1st Yr. | 0% | 27% | 42% | 30% | 3.03 | 2.98 | 3.00 | 2.96 |
| | Senior | -- | -- | -- | -- | -- | 2.81 | 2.84 | 2.79 |
| Analyzing the basic elements of an idea, experience, or theory | 1st Yr. | 0 | 18 | 46 | 36 | 3.18 | 3.14 | 3.14 | 3.15 |
| | Senior | -- | -- | -- | -- | -- | 3.16 | 3.26*** | 3.28*** |
| Synthesizing and organizing ideas, information, or experiences | 1st Yr. | 0 | 27 | 52 | 21 | 2.94 | 2.90 | 2.89 | 2.93 |
| | Senior | -- | -- | -- | -- | -- | 2.88 | 3.00*** | 3.06*** |
| Making judgments about the value of information, arguments, or methods | 1st Yr. | 0 | 18 | 46 | 36 | 3.18 | 2.84 | 2.86 | 2.91 |
| | Senior | -- | -- | -- | -- | -- | 2.87 | 2.96** | 3.01*** |
| Applying theories or concepts to practical problems or in new situations | 1st Yr. | 3 | 12 | 39 | 46 | 3.27 | 3.10 | 3.10 | 3.08 |
| | Senior | -- | -- | -- | -- | -- | 3.19 | 3.22 | 3.23 |

| Reading and Writing <i>During the current school year, about how much reading and writing have you done?</i> | Class Rank | Percent of UAS Students who gave the response. . . | | | | | UAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------|-------------------|--------------------|--------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = none</i> | <i>2 = 1 - 4</i> | <i>3 = 5 - 10</i> | <i>4 = 11 - 20</i> | <i>5 = > 20</i> | | | | |
| Number of assigned textbooks, books, or book-length packs of course readings | 1st Yr. | 3% | 34% | 22% | 22% | 19% | 3.19 | 3.04 | 3.15* | 3.26*** |
| | Senior | -- | -- | -- | -- | -- | -- | 2.94 | 3.08*** | 3.16*** |
| Number of books read on your own (not assigned) for personal enjoyment or academic enrichment | 1st Yr. | 28 | 56 | 6 | 9 | 0 | 1.97 | 2.00 | 2.02 | 2.06 |
| | Senior | -- | -- | -- | -- | -- | -- | 2.20 | 2.20 | 2.20 |
| Number of written papers or reports of 20 pages or more | 1st Yr. | 81 | 16 | 0 | 0 | 3 | 1.28 | 1.23 | 1.19 | 1.28 |
| | Senior | -- | -- | -- | -- | -- | -- | 1.61 | 1.58 | 1.64 |
| Number of written papers or reports between 5 and 19 pages | 1st Yr. | 23 | 36 | 32 | 10 | 0 | 2.29 | 2.31 | 2.07*** | 2.30 |
| | Senior | -- | -- | -- | -- | -- | -- | 2.40 | 2.45 | 2.50*** |
| Number of written papers or reports of fewer than 5 pages | 1st Yr. | 3 | 42 | 29 | 16 | 10 | 2.87 | 2.96 | 2.84* | 3.04 |
| | Senior | -- | -- | -- | -- | -- | -- | 2.94 | 2.99 | 2.97 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Problem Sets <i>In a typical week, how many homework problem sets do you complete?</i> | Class Rank | Percent of UAS Students who gave the response. . . | | | | | UAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------|------------------|------------------|-------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = none</i> | <i>2 = 1 - 2</i> | <i>3 = 3 - 4</i> | <i>4 = 5 - 6</i> | <i>5 = > 6</i> | | | | |
| Number of problem sets that take you more than an hour to complete | 1st Yr. | 0% | 34% | 38% | 13% | 16% | 3.09 | 2.95 | 2.71*** | 2.70*** |
| | Senior | -- | -- | -- | -- | -- | -- | 2.68 | 2.53*** | 2.63 |
| Number of problem sets that take you less than an hour to complete | 1st Yr. | 19 | 41 | 19 | 6 | 16 | 2.59 | 2.64 | 2.79* | 2.77* |
| | Senior | -- | -- | -- | -- | -- | -- | 2.29 | 2.29 | 2.35 |

| Examinations | Class Rank | Percent of UAS Students who gave the response... | | | | | | | UAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------|------------|------------|------------|------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = very much</i> | | | | |
| To what extent have your exams during the current school year challenged you to do your best work? | 1st Yr. | 3% | 0% | 0% | 6% | 34% | 34% | 22% | 5.59 | 5.64 | 5.60 | 5.45*** |
| | Senior | -- | -- | -- | -- | -- | -- | -- | -- | 5.31 | 5.40 | 5.45** |

| Additional Collegiate Experiences <i>During the current school year, about how often have you done each of the following?</i> | Class Rank | Percent of UAS Students who gave the response. . . | | | | UAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|----------------------|------------------|-----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = never</i> | <i>2 = sometimes</i> | <i>3 = often</i> | <i>4 = very often</i> | | | | |
| Attended an art exhibit, gallery, play, dance, or other theatre performance | 1st Yr. | 19% | 32% | 29% | 19% | 2.48 | 2.02 | 2.10 | 2.18*** |
| | Senior | -- | -- | -- | -- | -- | 1.90 | 1.99** | 2.07*** |
| Exercised or participated in physical fitness activities | 1st Yr. | 10 | 23 | 29 | 39 | 2.97 | 2.99 | 3.01 | 2.83*** |
| | Senior | -- | -- | -- | -- | -- | 2.81 | 2.95*** | 2.74 |
| Participated in activities to enhance your spirituality (worship, meditation, prayer, etc.) | 1st Yr. | 29 | 32 | 23 | 16 | 2.26 | 2.43 | 2.27** | 2.05*** |
| | Senior | -- | -- | -- | -- | -- | 2.37 | 2.20*** | 2.15*** |
| Examined the strengths and weaknesses of your own views on a topic or issue | 1st Yr. | 7 | 42 | 36 | 16 | 2.61 | 2.63 | 2.61 | 2.61 |
| | Senior | -- | -- | -- | -- | -- | 2.66 | 2.71 | 2.71 |
| Tried to better understand someone else's views by imagining how an issue looks from his or her perspective | 1st Yr. | 0 | 42 | 32 | 26 | 2.84 | 2.78 | 2.74 | 2.78 |
| | Senior | -- | -- | -- | -- | -- | 2.78 | 2.82 | 2.86** |
| Learned something that changed the way you understand an issue or concept | 1st Yr. | 0 | 29 | 52 | 19 | 2.90 | 2.83 | 2.82 | 2.87 |
| | Senior | -- | -- | -- | -- | -- | 2.78 | 2.87** | 2.91*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Enriching Educational Experiences <i>Which of the following have you done or do you plan to do before you graduate from your institution?</i> | Class Rank | Percent of UAS students. . . | | | | Percent of OSU students. . . | | | | Percent of Peer Group students. . . | | | | Percent of other Doctoral-Extensive students. . . | | | |
|--|------------|------------------------------|--------------------------|-------------------|-------------|------------------------------|--------------------------|-------------------|-------------|-------------------------------------|--------------------------|-------------------|-------------|---|--------------------------|-------------------|-------------|
| | | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> | <i>Have not decided</i> | <i>Do not plan to do</i> | <i>Plan to do</i> | <i>Done</i> |
| Practicum, internship, field experience, co-op experience, or clinical assignment | 1st Yr. | 10% | 17% | 62% | 10% | 8% | 4% | 83% | 5% | 10% | 3% | 80% | 7% | 12% | 4% | 77% | 7% |
| | Senior | -- | -- | -- | -- | 6 | 16 | 21 | 56 | 7 | 15 | 21 | 57 | 8 | 15 | 25 | 52 |
| Community service or volunteer work | 1st Yr. | 7 | 14 | 45 | 35 | 10 | 5 | 34 | 51 | 10 | 5 | 39 | 47 | 13 | 6 | 41 | 39 |
| | Senior | -- | -- | -- | -- | 7 | 17 | 15 | 62 | 8 | 14 | 12 | 67 | 10 | 16 | 16 | 59 |
| Participate in a learning community or some other formal program where groups of students take two or more classes together | 1st Yr. | 30 | 27 | 30 | 13 | 25 | 29 | 23 | 22 | 28 | 28 | 21 | 24 | 31 | 26 | 23 | 20 |
| | Senior | -- | -- | -- | -- | 14 | 53 | 8 | 25 | 11 | 54 | 6 | 29 | 15 | 50 | 9 | 26 |
| Work on a research project with a faculty member outside of course or program requirements | 1st Yr. | 30 | 33 | 33 | 3 | 35 | 23 | 36 | 5 | 37 | 23 | 35 | 6 | 38 | 22 | 35 | 5 |
| | Senior | -- | -- | -- | -- | 13 | 53 | 13 | 21 | 13 | 50 | 12 | 24 | 17 | 48 | 15 | 20 |
| Foreign language coursework | 1st Yr. | 13 | 33 | 43 | 10 | 16 | 36 | 31 | 16 | 18 | 33 | 29 | 20 | 19 | 27 | 33 | 21 |
| | Senior | -- | -- | -- | -- | 6 | 50 | 10 | 34 | 6 | 43 | 7 | 45 | 9 | 40 | 10 | 42 |
| Study abroad | 1st Yr. | 21 | 35 | 35 | 10 | 23 | 25 | 48 | 4 | 28 | 22 | 48 | 2 | 29 | 25 | 43 | 3 |
| | Senior | -- | -- | -- | -- | 13 | 65 | 9 | 13 | 10 | 64 | 8 | 18 | 14 | 61 | 10 | 16 |
| Independent study or self-designed major | 1st Yr. | 20 | 57 | 20 | 3 | 30 | 55 | 13 | 2 | 31 | 54 | 13 | 2 | 33 | 48 | 16 | 3 |
| | Senior | -- | -- | -- | -- | 9 | 58 | 8 | 25 | 10 | 68 | 7 | 16 | 13 | 60 | 10 | 17 |
| Culminating senior experience (capstone course, thesis, project, comprehensive exam, etc.) | 1st Yr. | 33 | 13 | 47 | 7 | 38 | 14 | 46 | 2 | 40 | 14 | 44 | 2 | 37 | 12 | 49 | 2 |
| | Senior | -- | -- | -- | -- | 8 | 25 | 27 | 40 | 9 | 28 | 27 | 37 | 11 | 23 | 33 | 34 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Quality of Relationships <i>What best represents the quality of your relationships with people at your institution?</i> | Class Rank | Percent of UAS Students who gave the response. . . | | | | | | | UAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|------------|--|------------|------------|------------|------------|------------|---------------------------------|----------------------|----------------------|-----------------------|--------------------------|
| | | <i>1 = unfriendly, unsupportive</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = friendly, supportive</i> | | | | |
| Relationships with other students | 1st Yr. | 3% | 0% | 0% | 7% | 27% | 40% | 23% | 5.67 | 5.69 | 5.58 | 5.45*** |
| | Senior | -- | -- | -- | -- | -- | -- | -- | -- | 5.68 | 5.68 | 5.54** |
| Relationships with faculty members | 1st Yr. | <i>1 = unavailable, unhelpful</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = available, helpful</i> | 5.33 | 5.14 | 5.01* | 5.08 |
| | Senior | 0 | 3 | 7 | 10 | 30 | 33 | 17 | -- | 5.27 | 5.23 | 5.29 |
| Relationships with administrative personnel and offices | 1st Yr. | <i>1 = unhelpful, inconsiderate</i> | <i>2 =</i> | <i>3 =</i> | <i>4 =</i> | <i>5 =</i> | <i>6 =</i> | <i>7 = helpful, considerate</i> | 5.30 | 4.93 | 4.68*** | 4.61*** |
| | Senior | 3 | 0 | 0 | 27 | 23 | 23 | 23 | -- | 4.68 | 4.52** | 4.47*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Time Usage <i>About how many hours do you spend in a typical 7-day week doing each of the following?</i> | Class Rank | Percent of UAS Students who gave the response. . . | | | | | | | | UAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|------------|--|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------|----------------------|----------------------|-----------------------|--------------------------|
| | | 1 = 0 hrs/wk | 2 = 1 - 5 hrs/wk | 3 = 6 - 10 hrs/wk | 4 = 11 - 15 hrs/wk | 5 = 16 - 20 hrs/wk | 6 = 21 - 25 hrs/wk | 7 = 26 - 30 hrs/wk | 8 = > 30 hrs/wk | | | | |
| Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities) | 1st Yr. | 0% | 10% | 33% | 20% | 10% | 13% | 7% | 7% | 4.30 | 4.38 | 4.37 | 4.22* |
| | Senior | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4.22 | 4.24 | 4.25 |
| Working for pay on campus | 1st Yr. | 70 | 0 | 10 | 10 | 7 | 0 | 0 | 3 | 2.00 | 1.62 | 1.47* | 1.52 |
| | Senior | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.22 | 2.05* | 1.86*** |
| Working for pay off campus | 1st Yr. | 80 | 3 | 3 | 7 | 3 | 3 | 0 | 0 | 1.60 | 1.68 | 1.66 | 2.15*** |
| | Senior | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.17 | 2.82*** | 3.55*** |
| Participating in co-curricular activities (organizations, campus publications, student government, social fraternity or sorority, intercollegiate or intramural sports, etc.) | 1st Yr. | 27 | 37 | 23 | 3 | 10 | 0 | 0 | 0 | 2.33 | 2.77 | 2.57* | 2.32*** |
| | Senior | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.33 | 2.42 | 2.14*** |
| Relaxing and socializing (watching TV, partying, etc.) | 1st Yr. | 4 | 29 | 21 | 32 | 4 | 0 | 0 | 11 | 3.57 | 3.57 | 3.91*** | 3.90*** |
| | Senior | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.58 | 3.75** | 3.57 |
| Providing care for dependents living with you (parents, children, spouse, etc.) | 1st Yr. | 64 | 25 | 4 | 0 | 4 | 0 | 4 | 0 | 1.68 | 1.32 | 1.33 | 1.63*** |
| | Senior | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.25 | 1.65*** | 2.28 |
| Commuting to class (driving, walking, etc.) | 1st Yr. | 4 | 64 | 25 | 0 | 0 | 0 | 0 | 7 | 2.64 | 2.28 | 2.31 | 2.35 |
| | Senior | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.29 | 2.33 | 2.45*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Institutional Environment <i>To what extent does your institution emphasize each of the following?</i> | Class Rank | Percent of UAS Students who gave the response. . . | | | | UAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|-----------------|------------------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Spending significant amounts of time studying and on academic work | 1st Yr. | 3% | 10% | 41% | 45% | 3.28 | 3.15 | 3.19 | 3.13 |
| | Senior | -- | -- | -- | -- | -- | 3.06 | 3.11 | 3.13* |
| Providing the support you need to help you succeed academically | 1st Yr. | 0 | 21 | 48 | 31 | 3.10 | 3.10 | 3.11 | 3.04 |
| | Senior | -- | -- | -- | -- | -- | 2.83 | 2.89 | 2.87 |
| Encouraging contact among students from different economic, social, and racial or ethnic backgrounds | 1st Yr. | 10 | 28 | 45 | 17 | 2.69 | 2.67 | 2.73 | 2.69 |
| | Senior | -- | -- | -- | -- | -- | 2.36 | 2.45** | 2.51*** |
| Helping you cope with your non-academic responsibilities (work, family, etc.) | 1st Yr. | 17 | 24 | 38 | 21 | 2.62 | 2.23 | 2.26 | 2.23 |
| | Senior | -- | -- | -- | -- | -- | 1.89 | 1.93 | 1.96 |
| Providing the support you need to thrive socially | 1st Yr. | 11 | 36 | 39 | 14 | 2.57 | 2.50 | 2.58 | 2.48 |
| | Senior | -- | -- | -- | -- | -- | 2.18 | 2.28** | 2.22 |
| Attending campus events and activities (special speakers, cultural performances, athletic events, etc.) | 1st Yr. | 3 | 17 | 62 | 17 | 2.93 | 3.01 | 3.03 | 2.87*** |
| | Senior | -- | -- | -- | -- | -- | 2.69 | 2.83*** | 2.68 |
| Using computers in academic work | 1st Yr. | 0 | 3 | 35 | 62 | 3.59 | 3.34 | 3.41 | 3.35 |
| | Senior | -- | -- | -- | -- | -- | 3.49 | 3.51 | 3.48 |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Educational and Personal Growth <i>To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?</i> | Class Rank | Percent of UAS Students who gave the response. . . | | | | UAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|-----------------|------------------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = very little</i> | <i>2 = some</i> | <i>3 = quite a bit</i> | <i>4 = very much</i> | | | | |
| Acquiring a broad general education | 1st Yr. | 0% | 15% | 30% | 56% | 3.41 | 3.14 | 3.20 | 3.15 |
| | Senior | -- | -- | -- | -- | -- | 3.13 | 3.22** | 3.23*** |
| Acquiring job or work-related knowledge and skills | 1st Yr. | 4 | 18 | 32 | 46 | 3.21 | 2.95 | 2.87 | 2.82** |
| | Senior | -- | -- | -- | -- | -- | 3.05 | 3.04 | 3.06 |
| Writing clearly and effectively | 1st Yr. | 0 | 18 | 39 | 43 | 3.25 | 2.93 | 2.87 | 2.97 |
| | Senior | -- | -- | -- | -- | -- | 2.95 | 3.01* | 3.06*** |
| Speaking clearly and effectively | 1st Yr. | 0 | 32 | 50 | 18 | 2.86 | 2.73 | 2.71 | 2.78 |
| | Senior | -- | -- | -- | -- | -- | 2.85 | 2.91* | 2.95** |
| Thinking critically and analytically | 1st Yr. | 0 | 14 | 50 | 36 | 3.21 | 3.22 | 3.21 | 3.22 |
| | Senior | -- | -- | -- | -- | -- | 3.26 | 3.34** | 3.35** |
| Analyzing quantitative problems | 1st Yr. | 0 | 21 | 50 | 29 | 3.07 | 3.02 | 3.06 | 2.97 |
| | Senior | -- | -- | -- | -- | -- | 3.11 | 3.10 | 3.09 |
| Using computing and information technology | 1st Yr. | 0 | 14 | 43 | 43 | 3.29 | 3.04 | 3.12* | 3.05 |
| | Senior | -- | -- | -- | -- | -- | 3.20 | 3.23 | 3.21 |
| Working effectively with others | 1st Yr. | 4 | 7 | 57 | 32 | 3.18 | 2.97 | 3.00 | 2.97 |
| | Senior | -- | -- | -- | -- | -- | 3.13 | 3.16 | 3.14 |
| Voting in local, state, or national elections | 1st Yr. | 39 | 21 | 18 | 21 | 2.21 | 2.49 | 2.65** | 2.59 |
| | Senior | -- | -- | -- | -- | -- | 2.09 | 2.35*** | 2.30*** |
| Learning effectively on your own | 1st Yr. | 7 | 7 | 56 | 30 | 3.07 | 2.95 | 3.03 | 2.98 |
| | Senior | -- | -- | -- | -- | -- | 2.95 | 3.03** | 3.03** |
| Understanding yourself | 1st Yr. | 0 | 14 | 50 | 36 | 3.21 | 2.75 | 2.79 | 2.79 |
| | Senior | -- | -- | -- | -- | -- | 2.67 | 2.77** | 2.77** |
| Understanding people of other racial and ethnic backgrounds | 1st Yr. | 4 | 18 | 50 | 29 | 3.04 | 2.62 | 2.63 | 2.68 |
| | Senior | -- | -- | -- | -- | -- | 2.46 | 2.54* | 2.63*** |
| Solving complex real-world problems | 1st Yr. | 4 | 18 | 50 | 29 | 3.04 | 2.67 | 2.76 | 2.71 |
| | Senior | -- | -- | -- | -- | -- | 2.71 | 2.83*** | 2.81** |
| Developing a personal code of values and ethics | 1st Yr. | 0 | 21 | 46 | 32 | 3.11 | 2.62 | 2.71 | 2.70 |
| | Senior | -- | -- | -- | -- | -- | 2.51 | 2.65*** | 2.70*** |
| Contributing to the welfare of your community | 1st Yr. | 14 | 21 | 36 | 29 | 2.79 | 2.56 | 2.56 | 2.48 |
| | Senior | -- | -- | -- | -- | -- | 2.31 | 2.47*** | 2.47*** |
| Developing a deepened sense of spirituality | 1st Yr. | 15 | 22 | 37 | 26 | 2.74 | 2.20 | 2.16 | 2.11 |
| | Senior | -- | -- | -- | -- | -- | 1.77 | 1.86** | 1.91*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001

| Academic Advising | Class Rank | Percent of UAS Students who gave the response. . . | | | | UAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|---|-------------------|---|-----------------|-----------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = poor</i> | <i>2 = fair</i> | <i>3 = good</i> | <i>4 = excellent</i> | | | | |
| Overall, how would you evaluate the quality of academic advising you have received at your institution? | 1st Yr. | 4% | 11% | 43% | 43% | 3.25 | 3.20 | 3.12* | 2.98*** |
| | Senior | -- | -- | -- | -- | -- | 2.95 | 2.84** | 2.79*** |

| Satisfaction | Class Rank | Percent of UAS Students who gave the response. . . | | | | UAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|-----------------|-----------------|----------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | <i>1 = poor</i> | <i>2 = fair</i> | <i>3 = good</i> | <i>4 = excellent</i> | | | | |
| How would you evaluate your entire educational experience at this institution? | 1st Yr. | 4% | 7% | 57% | 32% | 3.18 | 3.31 | 3.30 | 3.20** |
| | Senior | -- | -- | -- | -- | -- | 3.21 | 3.25 | 3.19 |

| | Class Rank | <i>1 = definitely no</i> | <i>2 = probably no</i> | <i>3 = probably yes</i> | <i>4 = definitely yes</i> | UAS Average Response | OSU Average Response | Peer Average Response | Doc-Ext Average Response |
|--|-------------------|---|------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|------------------------------|---------------------------------|
| | | If you could start over again, would you go to the <i>same institution</i> you are now attending? | 1st Yr. | 7% | 4% | | | | |
| | Senior | -- | -- | -- | -- | -- | 3.31 | 3.30 | 3.18*** |

* indicates significant differences for mean comparisons between OSU Average Response, Peer Average Response, and Doc-Ext Average Response; *p<0.05 **p<0.01 ***p<0.001