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 225,000 randomly selected students from 518 institutions that participated in NSSE 2005, this Benchmark Report compares the performance of your institution with its selected peer group, Carnegie group, and the 2005 national norms. In addition, page 8 provides two other comparisons between your school 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 you to determine if the engagement of your 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 in the 2005 annual report and on the NSSE website at nsse.iub.edu.

Guide to Your Benchmark Report

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 institution being compared (selected peers, Carnegie type, or 2005 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.

Level of Academic Challenge

Benchmark Mean Comparisons

<table>
<thead>
<tr>
<th>Class</th>
<th>NSSEville</th>
<th>Selected Peers</th>
<th>Master's</th>
<th>NSSE 2005</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-Year</td>
<td>56.8 ***</td>
<td>56.1 ***</td>
<td>55.2</td>
<td>56.4 **</td>
</tr>
<tr>
<td>Seniors</td>
<td>60.5 ***</td>
<td>60.1 **</td>
<td>60.6</td>
<td>60.0 **</td>
</tr>
</tbody>
</table>

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 2005.

Benchmark Description & Survey Items
A theoretical rationale for measuring the benchmark and the individual items used in its creation are summarized.

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

<table>
<thead>
<tr>
<th>Class</th>
<th>UNC Greensboro Mean</th>
<th>Selected Peers Mean</th>
<th>Effect Size</th>
<th>Doc-Int Mean</th>
<th>Effect Size</th>
<th>NSSE 2005 Mean</th>
<th>Effect Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-Year</td>
<td>52.1</td>
<td>49.9 *</td>
<td>.17</td>
<td>51.2</td>
<td>.07</td>
<td>52.6</td>
<td>-.04</td>
</tr>
<tr>
<td>Seniors</td>
<td>56.0</td>
<td>55.0</td>
<td>.07</td>
<td>55.3</td>
<td>.05</td>
<td>56.5</td>
<td>-.03</td>
</tr>
</tbody>
</table>

First-Year

Seniors

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

a * p<.05 ** p<.01 ***p<.001 (2-tailed).
b Effect size = mean difference divided by comparison group standard deviation.
## Active and Collaborative Learning

### Benchmark Mean Comparisons

<table>
<thead>
<tr>
<th>Class</th>
<th>UNC Greensboro Mean</th>
<th>Selected Peers Mean</th>
<th>Effect Size</th>
<th>Doc-Int Mean</th>
<th>Effect Size</th>
<th>NSSE 2005 Mean</th>
<th>Effect Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-Year</td>
<td>42.7</td>
<td>40.5</td>
<td>* 0.14</td>
<td>41.2</td>
<td>0.09</td>
<td>42.4</td>
<td>0.02</td>
</tr>
<tr>
<td>Seniors</td>
<td>53.7</td>
<td>49.9</td>
<td>*** 0.21</td>
<td>51.1</td>
<td>** 0.15</td>
<td>51.5</td>
<td>* 0.13</td>
</tr>
</tbody>
</table>

**First-Year**

**Seniors**

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### 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.)
Student-Faculty Interaction

Benchmark Mean Comparisons

<table>
<thead>
<tr>
<th>Class</th>
<th>UNC Greensboro Mean</th>
<th>Selected Peers Mean</th>
<th>Effect Size*</th>
<th>Doc-Int Mean</th>
<th>Effect Size*</th>
<th>NSSE 2005 Mean</th>
<th>Effect Size*</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-Year</td>
<td>34.6</td>
<td>31.9</td>
<td>* .16</td>
<td>32.9</td>
<td>.10</td>
<td>34.0</td>
<td>.03</td>
</tr>
<tr>
<td>Seniors</td>
<td>45.8</td>
<td>41.1</td>
<td>***.22</td>
<td>42.0</td>
<td>**.18</td>
<td>44.1</td>
<td>.08</td>
</tr>
</tbody>
</table>

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

a * p<.05   ** p<.01   ***p<.001  (2-tailed).
b Effect size = mean difference divided by comparison group standard deviation.
Enriching Educational Experiences

**Benchmark Mean Comparisons**

<table>
<thead>
<tr>
<th>Class</th>
<th>Mean</th>
<th>Sig</th>
<th>Effect Size</th>
<th>Mean</th>
<th>Sig</th>
<th>Effect Size</th>
<th>Mean</th>
<th>Sig</th>
<th>Effect Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNC Greensboro</td>
<td>26.3</td>
<td></td>
<td>- .14</td>
<td>26.7</td>
<td></td>
<td>- .03</td>
<td>27.8</td>
<td></td>
<td>- .12</td>
</tr>
<tr>
<td>Selected Peers</td>
<td>28.2</td>
<td>*</td>
<td>- .14</td>
<td>26.7</td>
<td></td>
<td>- .03</td>
<td>27.8</td>
<td></td>
<td>- .12</td>
</tr>
<tr>
<td>Doc-Int</td>
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<td></td>
<td>- .14</td>
<td>26.7</td>
<td></td>
<td>- .03</td>
<td>27.8</td>
<td></td>
<td>- .12</td>
</tr>
<tr>
<td>NSSE 2005</td>
<td>39.5</td>
<td>***</td>
<td>- .14</td>
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<td></td>
<td>- .03</td>
<td>27.8</td>
<td></td>
<td>- .12</td>
</tr>
</tbody>
</table>

**Enriching Educational Experiences Items**

Complementary learning opportunities in and out of class augment 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

a * p<.05   ** p<.01   ***p<.001  (2-tailed).
b Effect size = mean difference divided by comparison group standard deviation.
Supportive Campus Environment

Benchmark Mean Comparisons

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<thead>
<tr>
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<th>Doc-Int Mean</th>
<th>NSSE 2005 Mean</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-Year</td>
<td>59.0</td>
<td>55.1 ** .22</td>
<td>57.3 .09</td>
<td>60.1 -.06</td>
</tr>
<tr>
<td>Seniors</td>
<td>57.1</td>
<td>53.4 *** .20</td>
<td>55.5 .08</td>
<td>57.5 -.02</td>
</tr>
</tbody>
</table>

UNC Greensboro compared with:

<table>
<thead>
<tr>
<th>Class</th>
<th>Effect Size</th>
<th>Sig</th>
<th>Effect Size</th>
<th>Sig</th>
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<th>Sig</th>
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<tr>
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<td>53.4</td>
<td>***</td>
<td>.20</td>
<td></td>
</tr>
</tbody>
</table>

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

a * p<.05   ** p<.01   ***p<.001  (2-tailed).
b Effect size = mean difference divided by comparison group standard deviation.