

Institutional Benchmark Report

November **2003**

University of Kentucky



National Survey of
Student Engagement

The College Student Report



Introduction

The National Survey of Student Engagement (NSSE) annually assesses the extent to which undergraduate students are involved in educational practices empirically linked to high levels of learning and development. In an effort to make it easier for people on and off campus to talk productively about student engagement and its importance to student learning, collegiate quality, and institutional improvement, NSSE created five clusters or benchmarks of effective educational practice:

- (1) Level of academic challenge
- (2) Active and collaborative learning
- (3) Student-faculty interactions
- (4) Enriching educational experiences
- (5) Supportive campus environment.

The benchmarks are made up of groups of items on the survey and are expressed in 100-point scales. Each year, NSSE calculates benchmark scores to monitor performance at the institutional, sector, and national level. This year's analysis is based on approximately 185,000 randomly selected students at 649 four-year colleges and universities that participated in 2001, 2002, and 2003. The students represent a broad cross-section of first-year and senior students from every region of the country. The institutions are similar in most respects to the universe of four-year schools. More detailed information about the benchmarks can be found in the annual report that accompanies this mailing and on the NSSE website at www.iub.edu/~nsse.

Benchmark Report

The Benchmark Report presents your institution's benchmark scores and compares them to schools in your Carnegie Classification, and the NSSE national norms. In addition, it provides summary statistics, a decile chart that gauges your institution's performance compared with other schools, and your Institutional Engagement Index. This index represents the degree to which your students do more or less than expected in terms of their engagement in the five areas of effective educational practice after adjusting for the types of students that attend your school and various institutional characteristics.

NSSE and the benchmarks of effective educational practice provide an instructive way to look at and talk about teaching and learning. Thus, they are intended to help stimulate conversations on campus and help determine whether student behavior and institutional practices are headed in the right direction.

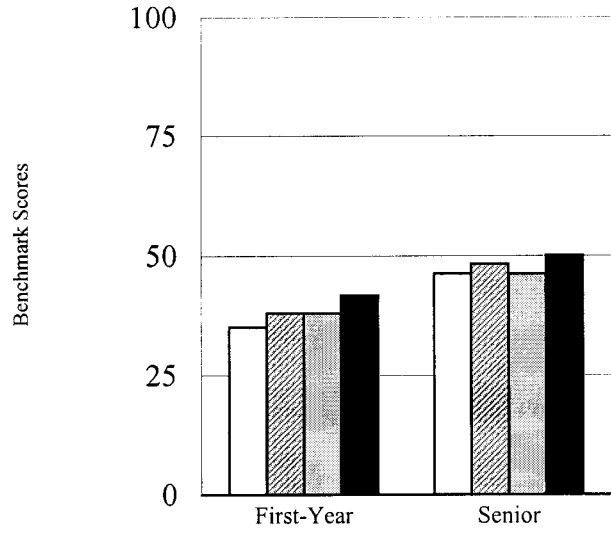
Level of Academic Challenge

<p>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.</p>		<p>Level of Academic Challenge Survey Items:</p> <ul style="list-style-type: none"> 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 													
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">First-Year</th> <th style="text-align: center;">Senior</th> </tr> </thead> <tbody> <tr> <td>□ U of Kentucky</td> <td style="text-align: center;">52.2</td> <td style="text-align: center;">55.0</td> </tr> <tr> <td>▨ Kentucky Publics</td> <td style="text-align: center;">50.1</td> <td style="text-align: center;">54.1</td> </tr> <tr> <td>▤ Doc-Ext</td> <td style="text-align: center;">52.3</td> <td style="text-align: center;">55.2</td> </tr> <tr> <td>■ National</td> <td style="text-align: center;">53.9</td> <td style="text-align: center;">57.3</td> </tr> </tbody> </table>		First-Year	Senior	□ U of Kentucky	52.2	55.0	▨ Kentucky Publics	50.1	54.1	▤ Doc-Ext	52.3	55.2	■ National	53.9
	First-Year	Senior													
□ U of Kentucky	52.2	55.0													
▨ Kentucky Publics	50.1	54.1													
▤ Doc-Ext	52.3	55.2													
■ National	53.9	57.3													



Active and Collaborative Learning

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.



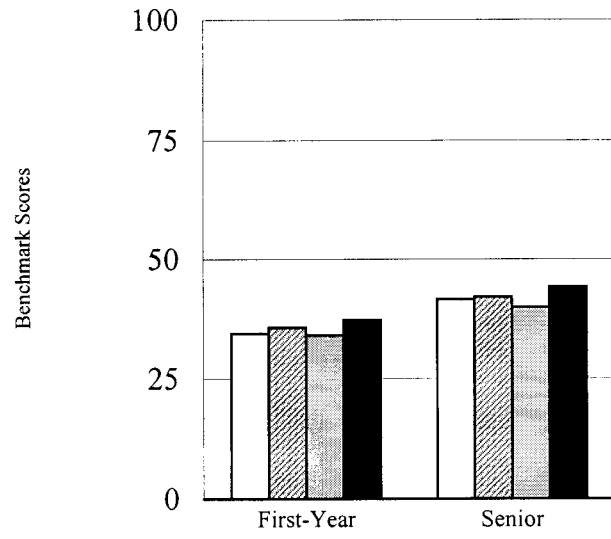
	First-Year	Senior
□ U of Kentucky	35.1	46.2
▨ Kentucky Publics	38.1	48.3
▤ Doc-Ext	38.1	46.2
■ National	41.8	50.1

Active and Collaborative Learning
Survey Items:

- 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

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.



	First-Year	Senior
□ U of Kentucky	34.4	41.5
▨ Kentucky Publics	35.6	42.0
▤ Doc-Ext	34.0	39.9
■ National	37.2	44.2

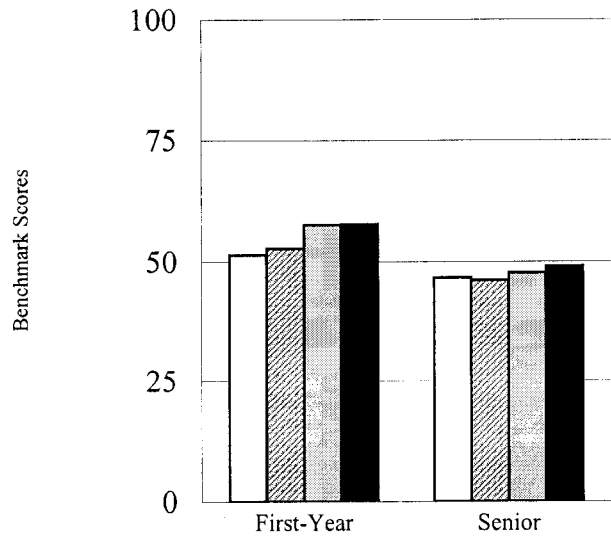
Student-Faculty Interaction
Survey Items:

- 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 or planned to work with a faculty member on a research project outside of course or program requirements



Enriching Educational Experiences

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.



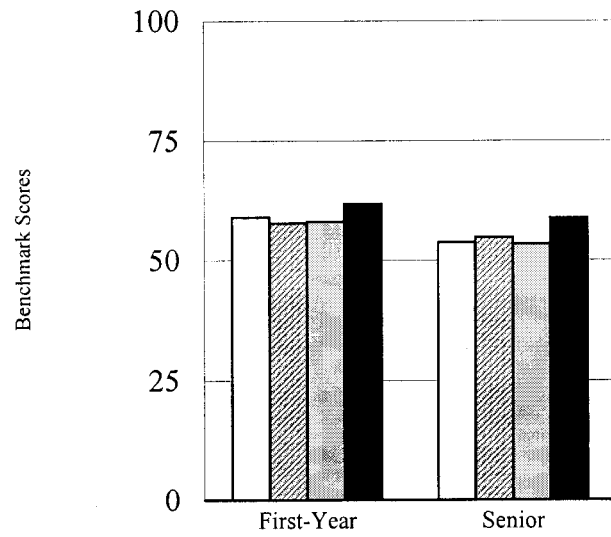
□ U of Kentucky	51.4	46.7
▨ Kentucky Publics	52.8	46.1
▤ Doc-Ext	57.6	47.6
■ National	57.7	49.1

**Enriching Educational Experiences
Survey Items:**

- 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

Supportive Campus Environment

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



□ U of Kentucky	59.0	53.7
▨ Kentucky Publics	57.7	54.8
▤ Doc-Ext	58.0	53.4
■ National	61.8	58.8

**Supportive Campus Environment
Survey Items:**

- 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



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The College Student Report

2003 Institutional Benchmark Report University of Kentucky

First-Year				
Benchmark	U of Kentucky Benchmark Score	Comparison Group Statistics		
			Doc-Ext	National
Level of Academic Challenge	52.2	Benchmark Score	52.3	53.9
		Score Difference	-0.1	-1.7
		Standard Deviation	3.4	4.2
		Standard Score	0.0	-0.4
Active and Collaborative Learning	35.1	Benchmark Score	38.1	41.8
		Score Difference	-3.0	-6.6
		Standard Deviation	2.9	4.8
		Standard Score	-1.0	-1.4
Student-Faculty Interaction	34.4	Benchmark Score	34.0	37.2
		Score Difference	0.4	-2.8
		Standard Deviation	2.9	5.7
		Standard Score	0.1	-0.5
Enriching Educational Experiences	51.4	Benchmark Score	57.6	57.7
		Score Difference	-6.2	-6.3
		Standard Deviation	4.7	7.3
		Standard Score	-1.3	-0.9
Supportive Campus Environment	59.0	Benchmark Score	58.0	61.8
		Score Difference	1.0	-2.8
		Standard Deviation	3.5	5.3
		Standard Score	0.3	-0.5
		Number of Institutions	79	646

Senior				
Benchmark	U of Kentucky Benchmark Score	Comparison Group Statistics		
			Doc-Ext	National
Level of Academic Challenge	55.0	Benchmark Score	55.2	57.3
		Score Difference	-0.3	-2.3
		Standard Deviation	2.3	3.9
		Standard Score	-0.1	-0.6
Active and Collaborative Learning	46.2	Benchmark Score	46.2	50.1
		Score Difference	0.0	-3.9
		Standard Deviation	2.8	4.3
		Standard Score	0.0	-0.9
Student-Faculty Interaction	41.5	Benchmark Score	39.9	44.2
		Score Difference	1.6	-2.7
		Standard Deviation	3.5	6.8
		Standard Score	0.5	-0.4
Enriching Educational Experiences	46.7	Benchmark Score	47.6	49.1
		Score Difference	-1.0	-2.4
		Standard Deviation	4.2	7.3
		Standard Score	-0.2	-0.3
Supportive Campus Environment	53.7	Benchmark Score	53.4	58.8
		Score Difference	0.4	-5.1
		Standard Deviation	3.9	5.7
		Standard Score	0.1	-0.9
		Number of Institutions	79	648

Explanation of Statistics

Benchmark Score: The weighted arithmetic average (mean) of the corresponding survey items, calculated by dividing the sum of values for each item by the total number of students responding to that item. Each benchmark was put on a 100-point scale. Comparison group benchmark scores are the average of all institutional benchmark scores within the group.

Score Difference: The result of subtracting the comparison group score (Carnegie Classification or national) from your institution's score on each benchmark.

Standard Deviation: The average amount each institution's benchmark score deviates from the mean of all benchmark scores in the comparison group. The greater the dispersion of scores the larger the standard deviation.

Standard Score (SS): In statistical terms, this is a z score, the standardized magnitude of the difference between your school's benchmark score and the mean of the comparison group. It is calculated by dividing the score difference by the standard deviation of the distribution of scores for the comparison group.

Assuming the group means are normally distributed, a SS of 0.5 refers to a benchmark score that is greater than 69% of all comparison group schools, and 1.0 is greater than 84%. Likewise, a negative SS of -0.5 corresponds to a score that is better than 31% of the comparison group, and a -1.0 corresponds to an institution score better than only 16% of the comparison group. A SS of zero indicates that the institution and comparison group benchmark scores are equal, and that the institution's score is higher than roughly 50% of the other schools in the group. These values are illustrated in the table and chart at the bottom of page 8 of this report.

Also note the sign of the SS. A positive sign means that your institution's score was greater than the comparison group average, thus showing an affirmative result for the institution. A negative sign indicates the institution lags behind, suggesting that the student behavior or institutional practice represented by the benchmark may warrant attention.



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2003 National Benchmark Deciles University of Kentucky

These tables present the range of institutional scores by decile for the five benchmarks of effective educational practice for both first-year and senior students. Deciles are percentile scores that divide the range of benchmark scores into ten equal groups. A percentile is the point in a distribution at or below which a given percentage of institutional benchmark scores fall. For example, the 60th percentile represents the point at or below which 60 percent of the institutional benchmark scores fall for the respective comparison group. Deciles are listed for both the NSSE national results and for each of the Carnegie Classifications. To help you gauge your institution's performance relative to the comparison groups, the shaded areas on the national and Carnegie Classification tables indicate the deciles that are less than or equal to your benchmark score. For example, if your benchmark score on Academic Challenge for first-year students is 56.1, then your institution falls within the 70th and 80th percentile range on the national table, and between the 80th and 90th percentiles on the Doc-Extensive table.

	First-Year											Senior										
	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
National																						
Level of Academic Challenge	44.6	48.9	50.2	51.2	52.4	53.5	54.9	55.9	57.4	59.7	68.2	40.3	52.6	54.2	55.1	56.0	56.8	57.7	59.0	60.2	62.6	74.0
Active and Collaborative Learning	30.5	35.6	37.4	39.1	40.4	41.5	42.8	44.0	45.8	47.9	59.8	38.1	44.8	46.6	47.8	48.9	49.8	50.8	52.0	53.5	55.5	65.8
Student-Faculty Interaction	23.1	30.7	32.4	33.7	35.1	36.3	37.6	39.5	41.5	44.8	74.0	28.1	36.0	38.2	40.0	41.8	43.3	45.3	47.3	49.7	53.5	69.8
Enriching Educational Experiences	39.9	48.4	51.4	53.4	55.7	57.6	59.3	61.3	63.8	67.3	80.3	30.5	40.6	42.5	44.4	45.9	47.7	50.6	52.6	55.1	59.0	75.3
Supportive Campus Environment	45.6	55.1	57.3	58.7	60.1	61.6	63.0	64.5	66.4	68.8	85.4	44.8	51.3	53.7	55.4	57.1	58.6	60.4	61.8	63.7	66.2	76.4
Doc-Extensive																						
Level of Academic Challenge	47.0	48.5	49.5	50.0	50.6	51.4	52.5	53.6	55.2	57.1	62.1	50.5	52.4	53.2	53.8	54.8	54.9	55.3	56.6	57.0	59.0	61.5
Active and Collaborative Learning	33.1	34.7	35.3	36.1	37.1	37.6	38.1	39.7	40.5	41.8	47.1	39.3	42.8	43.7	44.8	45.5	46.2	46.7	47.4	48.3	49.5	55.7
Student-Faculty Interaction	28.7	30.5	31.9	32.4	32.9	33.5	34.0	35.2	36.0	37.8	44.2	30.8	36.2	37.1	37.9	38.5	39.0	40.6	41.7	43.4	44.4	49.7
Enriching Educational Experiences	47.9	51.7	53.2	54.6	56.3	57.6	58.9	59.6	60.8	63.6	71.0	39.0	42.6	44.4	45.2	46.0	46.7	47.6	49.3	51.9	54.2	57.6
Supportive Campus Environment	50.0	53.8	55.0	56.5	57.5	58.2	58.7	59.5	60.4	61.1	72.3	44.9	48.5	50.1	51.2	52.2	53.4	54.1	55.3	56.7	58.1	69.1
Doc-Intensive																						
Level of Academic Challenge	46.0	48.5	50.2	51.0	51.8	52.8	53.4	54.0	55.5	57.1	60.2	50.9	52.4	53.6	54.2	54.7	55.2	56.1	57.0	58.0	58.9	59.6
Active and Collaborative Learning	31.4	34.6	35.5	37.5	38.2	39.4	40.5	41.9	44.0	47.7	54.0	39.9	43.4	44.8	45.6	46.5	47.8	48.5	49.6	51.0	52.8	61.2
Student-Faculty Interaction	27.1	29.3	31.0	32.4	33.6	35.3	36.0	37.2	39.4	41.2	46.4	30.5	34.5	35.9	37.1	39.5	41.4	42.7	43.4	44.5	47.3	50.8
Enriching Educational Experiences	45.3	48.8	50.1	51.2	52.9	55.6	57.4	59.6	60.7	64.5	68.2	38.3	40.4	41.4	42.3	43.6	44.8	45.9	47.9	51.7	55.5	65.6
Supportive Campus Environment	49.3	52.2	55.3	56.6	57.5	58.5	59.1	61.2	61.8	62.3	67.3	45.6	48.8	51.4	52.6	53.6	55.2	55.6	56.8	57.7	60.8	65.6
Master's I & II																						
Level of Academic Challenge	45.2	48.3	49.7	50.4	51.5	52.4	53.2	54.8	55.8	57.4	64.4	48.5	52.6	53.7	54.9	55.6	56.2	56.9	57.7	59.0	60.7	65.4
Active and Collaborative Learning	30.5	35.5	37.1	38.8	40.0	41.0	41.8	43.5	44.7	46.5	54.5	38.7	45.8	47.3	48.2	49.2	50.0	50.8	51.9	53.3	54.6	63.9
Student-Faculty Interaction	23.1	30.0	31.6	33.2	34.4	35.4	36.6	37.7	39.7	41.6	50.0	28.1	35.4	37.5	39.3	40.9	42.2	43.5	45.4	47.2	49.6	57.1
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Supportive Campus Environment	45.6	55.0	56.9	58.6	59.7	61.2	62.6	63.8	65.3	67.5	73.7	44.8	52.2	54.3	55.8	57.4	58.7	59.9	61.3	62.7	64.8	71.8
Bac-Liberal Arts																						
Level of Academic Challenge	48.9	52.6	54.4	55.7	56.9	58.0	58.9	60.2	62.1	63.2	68.2	52.0	56.2	58.0	59.1	60.0	60.9	62.1	63.1	64.2	66.4	72.3
Active and Collaborative Learning	35.9	39.7	41.0	41.9	42.8	43.7	44.7	46.1	47.1	49.1	55.3	41.9	47.1	48.9	49.9	51.0	51.8	52.6	53.7	54.4	56.9	62.0
Student-Faculty Interaction	30.6	35.8	38.1	39.6	40.8	41.7	43.4	45.0	47.1	48.6	59.5	34.4	42.9	47.0	49.1	50.4	51.5	53.4	54.7	56.8	58.9	66.2
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Supportive Campus Environment	54.7	59.7	61.5	63.0	64.6	65.5	66.7	68.2	69.5	71.3	78.8	51.3	57.3	59.8	60.7	61.7	62.5	63.9	64.8	66.1	67.1	72.5
Bac-General Colleges																						
Level of Academic Challenge	44.6	49.4	51.2	52.5	53.4	53.7	54.9	55.6	56.4	57.6	61.8	48.5	51.4	54.8	55.8	56.5	57.3	58.2	59.0	60.2	62.0	74.0
Active and Collaborative Learning	34.0	36.7	39.8	40.9	42.3	43.4	44.4	45.8	47.4	50.4	55.9	42.0	46.7	48.3	49.2	50.0	50.8	51.7	54.2	55.9	58.7	65.8
Student-Faculty Interaction	27.2	31.8	32.8	34.7	35.9	37.1	38.6	39.6	42.1	44.7	56.5	32.5	36.6	39.3	41.5	44.5	45.5	46.9	48.8	49.4	52.3	69.8
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Supportive Campus Environment	49.1	56.3	60.9	62.0	63.5	64.6	65.5	67.0	68.7	70.0	73.9	48.7	54.5	56.5	58.1	59.6	60.7	63.6	64.8	66.8	70.0	73.9