



NSSE 2016

Engagement Indicators

University of Houston-Downtown

About Your *Engagement Indicators* Report

Engagement Indicators (EIs) provide a useful summary of the detailed information contained in your students' NSSE responses. By combining responses to related NSSE questions, each EI offers valuable information about a distinct aspect of student engagement. Ten indicators, based on three to eight survey questions each (a total of 47 survey questions), are organized into four broad themes as shown at right.

<i>Theme</i>	<i>Engagement Indicator</i>
<i>Academic Challenge</i>	Higher-Order Learning
	Reflective & Integrative Learning
	Learning Strategies
	Quantitative Reasoning
<i>Learning with Peers</i>	Collaborative Learning
	Discussions with Diverse Others
<i>Experiences with Faculty</i>	Student-Faculty Interaction
	Effective Teaching Practices
<i>Campus Environment</i>	Quality of Interactions
	Supportive Environment

Report Sections

- Overview (p. 3)** Displays how average EI scores for your first-year and senior students compare with those of students at your comparison group institutions.
- Theme Reports (pp. 4-13)** Detailed views of EI scores within the four themes for your students and those at comparison group institutions. Three views offer varied insights into your EI scores:

 - Mean Comparisons**
Straightforward comparisons of average scores between your students and those at comparison group institutions, with tests of significance and effect sizes (see below).
 - Score Distributions**
Box-and-whisker charts show the variation in scores *within* your institution and comparison groups.
 - Performance on Indicator Items**
Responses to each item in a given EI are summarized for your institution and comparison groups.
- Comparisons with High-Performing Institutions (p. 15)** Comparisons of your students' average scores on each EI with those of students at institutions whose average scores were in the top 50% and top 10% of 2015 and 2016 participating institutions.
- Detailed Statistics (pp. 16-19)** Detailed information about EI score means, distributions, and tests of statistical significance.

Interpreting Comparisons

Mean comparisons report both statistical significance and effect size. Effect size indicates the practical importance of an observed difference. For EI comparisons, NSSE research has concluded that an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2015). Comparisons with an effect size of at least .3 in magnitude (before rounding) are highlighted in the Overview (p. 3).

EIs vary more among students within an institution than between institutions, like many experiences and outcomes in higher education. As a result, focusing attention on average scores alone amounts to examining the tip of the iceberg. It's equally important to understand how student engagement varies within your institution. Score distributions indicate how EI scores vary among your students and those in your comparison groups. The Report Builder—Institution Version and your *Major Field Report* (both to be released in the fall) offer valuable perspectives on internal variation and help you investigate your students' engagement in depth.

How Engagement Indicators are Computed

Each EI is scored on a 60-point scale. To produce an indicator score, the response set for each item is converted to a 60-point scale (e.g., Never = 0; Sometimes = 20; Often = 40; Very often = 60), and the rescaled items are averaged. Thus a score of zero means a student responded at the bottom of the scale for every item in the EI, while a score of 60 indicates responses at the top of the scale on every item.

For more information on EIs and their psychometric properties, refer to the NSSE website: nsse.indiana.edu

Rocconi, L., & Gonyea, R. M. (2015). Contextualizing student engagement effect sizes: An empirical analysis. Paper presented at the Association for Institutional Research Annual Forum, Denver, CO.

Engagement Indicators: Overview

Engagement Indicators are summary measures based on sets of NSSE questions examining key dimensions of student engagement. The ten indicators are organized within four broad themes: Academic Challenge, Learning with Peers, Experiences with Faculty, and Campus Environment. The tables below compare average scores for your students with those in your comparison groups.

Use the following key:

- ▲ **Your students' average** was significantly higher ($p < .05$) with an effect size at least .3 in magnitude.
- △ **Your students' average** was significantly higher ($p < .05$) with an effect size less than .3 in magnitude.
- No significant difference.
- ▼ **Your students' average** was significantly lower ($p < .05$) with an effect size less than .3 in magnitude.
- ▽ **Your students' average** was significantly lower ($p < .05$) with an effect size at least .3 in magnitude.

First-Year Students

Theme	Engagement Indicator	Your first-year students compared with Southwest Public	Your first-year students compared with Carnegie Class	Your first-year students compared with NSSE 2015 & 2016
Academic Challenge	Higher-Order Learning	△	△	△
	Reflective & Integrative Learning	--	--	--
	Learning Strategies	--	--	--
	Quantitative Reasoning	--	△	△
Learning with Peers	Collaborative Learning	--	--	--
	Discussions with Diverse Others	--	--	--
Experiences with Faculty	Student-Faculty Interaction	--	--	--
	Effective Teaching Practices	--	--	--
Campus Environment	Quality of Interactions	--	--	--
	Supportive Environment	--	--	--

Seniors

Theme	Engagement Indicator	Your seniors compared with Southwest Public	Your seniors compared with Carnegie Class	Your seniors compared with NSSE 2015 & 2016
Academic Challenge	Higher-Order Learning	--	--	--
	Reflective & Integrative Learning	--	▽	▽
	Learning Strategies	△	△	△
	Quantitative Reasoning	--	--	--
Learning with Peers	Collaborative Learning	▽	▽	▽
	Discussions with Diverse Others	--	△	--
Experiences with Faculty	Student-Faculty Interaction	▽	▽	▽
	Effective Teaching Practices	--	▽	▽
Campus Environment	Quality of Interactions	▽	▽	▽
	Supportive Environment	--	--	--

Academic Challenge: First-year students

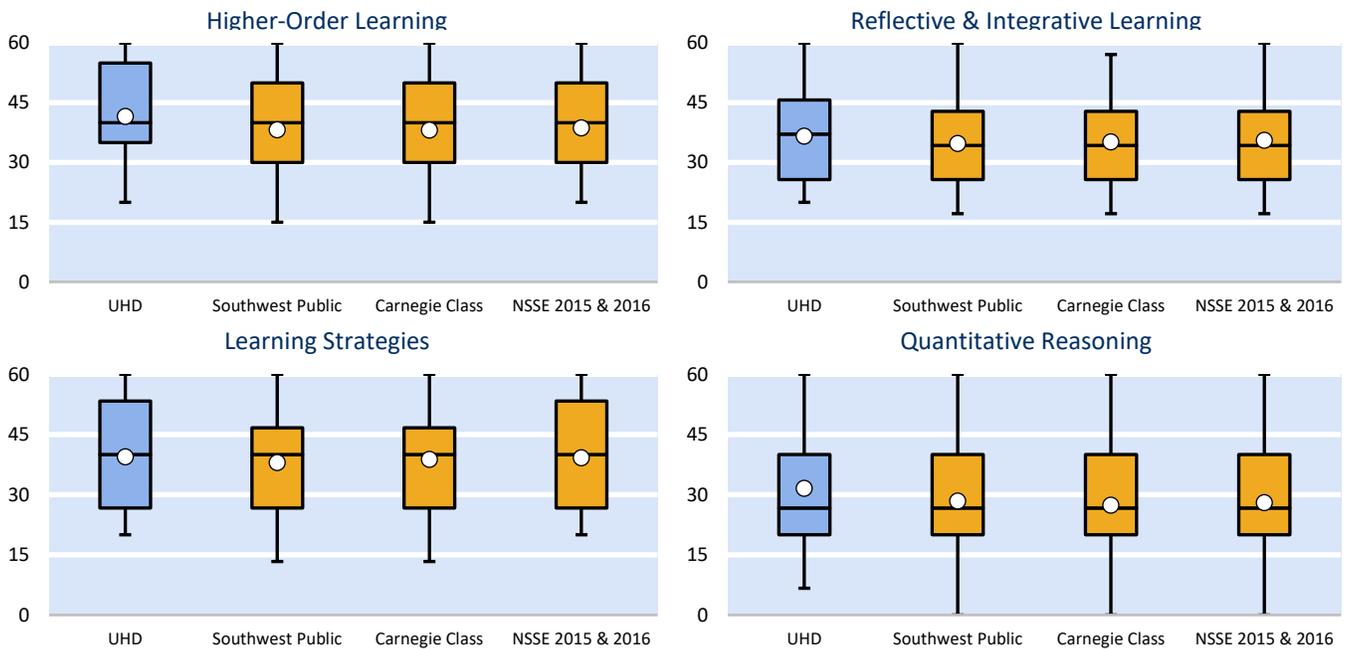
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *Reflective & Integrative Learning*, *Learning Strategies*, and *Quantitative Reasoning*. Below and on the next page are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	UHD Mean	Your first-year students compared with					
		Southwest Public		Carnegie Class		NSSE 2015 & 2016	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	41.6	38.2 *	.24	38.1 *	.25	38.8 *	.21
Reflective & Integrative Learning	36.6	34.8	.14	35.2	.11	35.6	.08
Learning Strategies	39.4	38.0	.10	38.8	.04	39.2	.02
Quantitative Reasoning	31.6	28.4	.19	27.4 **	.26	28.0 *	.22

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding; **p* < .05, ***p* < .01, ****p* < .001 (2-tailed).

Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

Academic Challenge: First-year students (continued)

Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much **higher** your institution's percentage is from that of the comparison group. Orange bars indicate how much **lower** your institution's percentage is from that of the comparison group.

	UHD	Percentage point difference ^a between your FY students and		
		Southwest Public	Carnegie Class	NSSE 2015 & 2016
Higher-Order Learning				
<i>Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...</i>				
4b. Applying facts, theories, or methods to practical problems or new situations	66	-5	-4	-6
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	80	+10	+11	+9
4d. Evaluating a point of view, decision, or information source	81	+13	+12	+11
4e. Forming a new idea or understanding from various pieces of information	76	+8	+8	+8
Reflective & Integrative Learning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
2a. Combined ideas from different courses when completing assignments	55	+3	+3	+1
2b. Connected your learning to societal problems or issues	56	+6	+4	+2
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	52	+2	+2	+0
2d. Examined the strengths and weaknesses of your own views on a topic or issue	63	+1	-0	-0
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	67	-1	-1	-1
2f. Learned something that changed the way you understand an issue or concept	69	+5	+4	+4
2g. Connected ideas from your courses to your prior experiences and knowledge	70	-3	-5	-6
Learning Strategies				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
9a. Identified key information from reading assignments	73	-2	-4	-5
9b. Reviewed your notes after class	72	+8	+6	+6
9c. Summarized what you learned in class or from course materials	59	-1	-4	-4
Quantitative Reasoning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	57	+3	+5	+4
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	51	+9	+11	+11
6c. Evaluated what others have concluded from numerical information	44	+5	+7	+5

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.

a. Percentage point difference = Institution percentage – Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.

Academic Challenge: Seniors

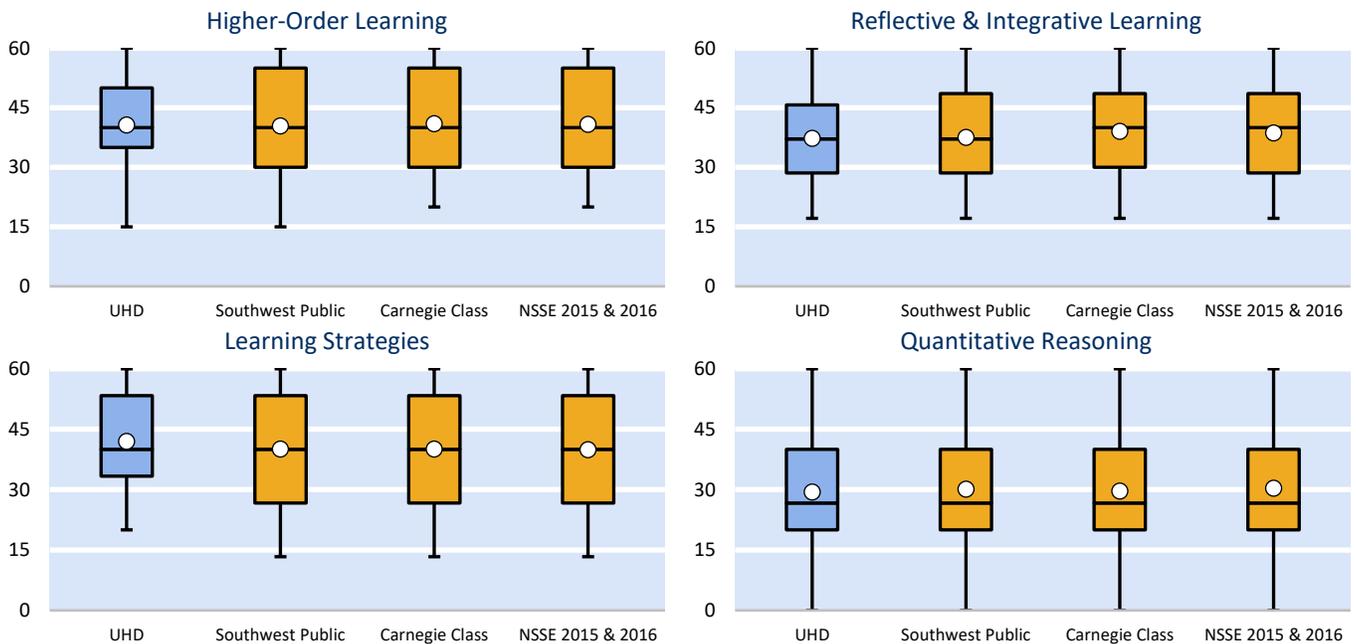
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *Reflective & Integrative Learning*, *Learning Strategies*, and *Quantitative Reasoning*. Below and on the next page are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	UHD Mean	Your seniors compared with					
		Southwest Public		Carnegie Class		NSSE 2015 & 2016	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	40.7	40.5	.02	41.0	-.02	40.9	-.01
Reflective & Integrative Learning	37.3	37.6	-.02	39.1 **	-.14	38.7 *	-.11
Learning Strategies	42.0	40.0 **	.13	40.1 **	.13	39.9 **	.14
Quantitative Reasoning	29.4	30.1	-.04	29.6	-.01	30.3	-.06

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding; **p* < .05, ***p* < .01, ****p* < .001 (2-tailed).

Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

Academic Challenge: Seniors (continued)

Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much **higher** your institution's percentage is from that of the comparison group. Orange bars indicate how much **lower** your institution's percentage is from that of the comparison group.

	UHD	Percentage point difference ^a between your seniors and		
		Southwest Public	Carnegie Class	NSSE 2015 & 2016
Higher-Order Learning				
<i>Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...</i>				
4b. Applying facts, theories, or methods to practical problems or new situations	78	-0	-1	-1
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	76	+1	-1	-0
4d. Evaluating a point of view, decision, or information source	76	+6	+3	+5
4e. Forming a new idea or understanding from various pieces of information	74	+3	+1	+2
Reflective & Integrative Learning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
2a. Combined ideas from different courses when completing assignments	62	-6	-8	-8
2b. Connected your learning to societal problems or issues	61	+0	-4	-3
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	50	-1	-8	-5
2d. Examined the strengths and weaknesses of your own views on a topic or issue	65	+1	-2	-2
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	66	-3	-7	-5
2f. Learned something that changed the way you understand an issue or concept	67	-1	-4	-3
2g. Connected ideas from your courses to your prior experiences and knowledge	82	+0	-2	-2
Learning Strategies				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
9a. Identified key information from reading assignments	85	+5	+4	+3
9b. Reviewed your notes after class	72	+7	+8	+9
9c. Summarized what you learned in class or from course materials	72	+6	+6	+6
Quantitative Reasoning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	55	-1	+1	-1
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	46	+0	+2	+0
6c. Evaluated what others have concluded from numerical information	41	-4	-3	-4

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Learning with Peers: First-year students

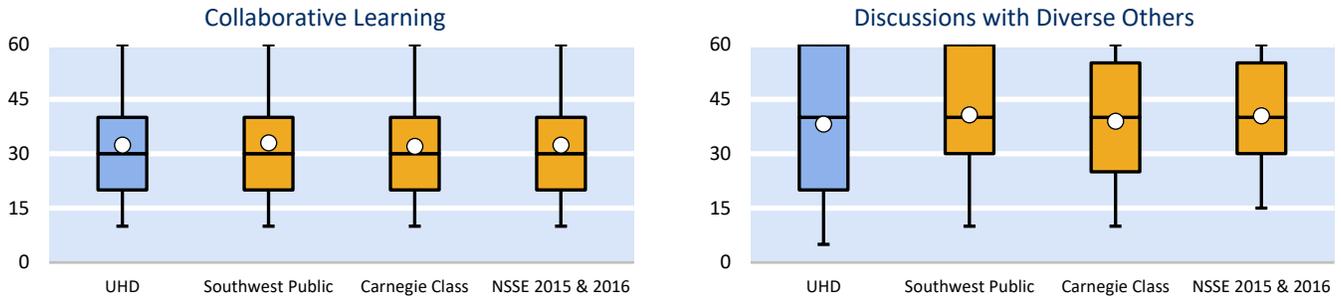
Collaborating with others in mastering difficult material and developing interpersonal and social competence prepare students to deal with complex, unscripted problems they will encounter during and after college. Two Engagement Indicators make up this theme: *Collaborative Learning* and *Discussions with Diverse Others*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	UHD Mean	Your first-year students compared with					
		Southwest Public Mean	Effect size	Carnegie Class Mean	Effect size	NSSE 2015 & 2016 Mean	Effect size
Collaborative Learning	32.3	33.0	-.05	32.0	.02	32.3	.00
Discussions with Diverse Others	38.1	40.7	-.16	38.9	-.05	40.4	-.14

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding; **p* < .05, ***p* < .01, ****p* < .001 (2-tailed).

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Performance on Indicator Items

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Collaborative Learning	UHD %	Percentage point difference ^a between your FY students and			
		Southwest Public	Carnegie Class	NSSE 2015 & 2016	
<i>Percentage of students who responded that they "Very often" or "Often"...</i>					
1e. Asked another student to help you understand course material	53	-0	+3	+2	
1f. Explained course material to one or more students	57	-2	-1	-0	
1g. Prepared for exams by discussing or working through course material with other students	48	-3	-1	-2	
1h. Worked with other students on course projects or assignments	53	-1	+0	-0	
<i>Discussions with Diverse Others</i>					
<i>Percentage of students who responded that they "Very often" or "Often" had discussions with...</i>					
8a. People from a race or ethnicity other than your own	66	-7	+0	-5	
8b. People from an economic background other than your own	66	-7	-3	-6	
8c. People with religious beliefs other than your own	62	-7	-3	-6	
8d. People with political views other than your own	55	-14	-12	-13	

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Learning with Peers: Seniors

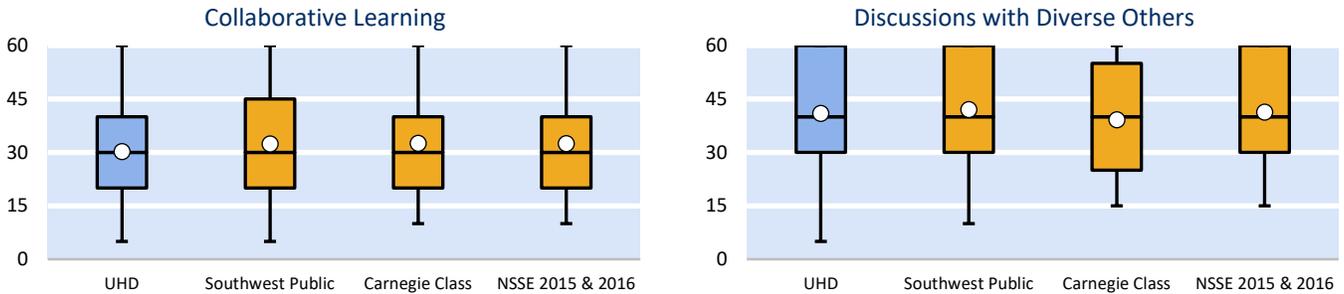
Collaborating with others in mastering difficult material and developing interpersonal and social competence prepare students to deal with complex, unscripted problems they will encounter during and after college. Two Engagement Indicators make up this theme: *Collaborative Learning* and *Discussions with Diverse Others*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	UHD Mean	Your seniors compared with					
		Southwest Public Mean	Effect size	Carnegie Class Mean	Effect size	NSSE 2015 & 2016 Mean	Effect size
Collaborative Learning	30.2	32.4 **	-.14	32.6 ***	-.16	32.4 ***	-.15
Discussions with Diverse Others	41.0	42.1	-.07	39.2 *	.11	41.3	-.02

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding; **p* < .05, ***p* < .01, ****p* < .001 (2-tailed).

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Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much **higher** your institution's percentage is from that of the comparison group. Orange bars indicate how much **lower** your institution's percentage is from that of the comparison group.

Collaborative Learning	UHD %	Percentage point difference ^a between your seniors and		
		Southwest Public	Carnegie Class	NSSE 2015 & 2016
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
1e. Asked another student to help you understand course material	33	-9	-9	-8
1f. Explained course material to one or more students	50	-8	-9	-8
1g. Prepared for exams by discussing or working through course material with other students	40	-6	-6	-6
1h. Worked with other students on course projects or assignments	64	+1	+0	-0
<i>Discussions with Diverse Others</i>				
<i>Percentage of students who responded that they "Very often" or "Often" had discussions with...</i>				
8a. People from a race or ethnicity other than your own	76	+1	+11	+3
8b. People from an economic background other than your own	73	-1	+4	-1
8c. People with religious beliefs other than your own	68	-3	+4	-1
8d. People with political views other than your own	65	-6	-2	-5

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Experiences with Faculty: First-year students

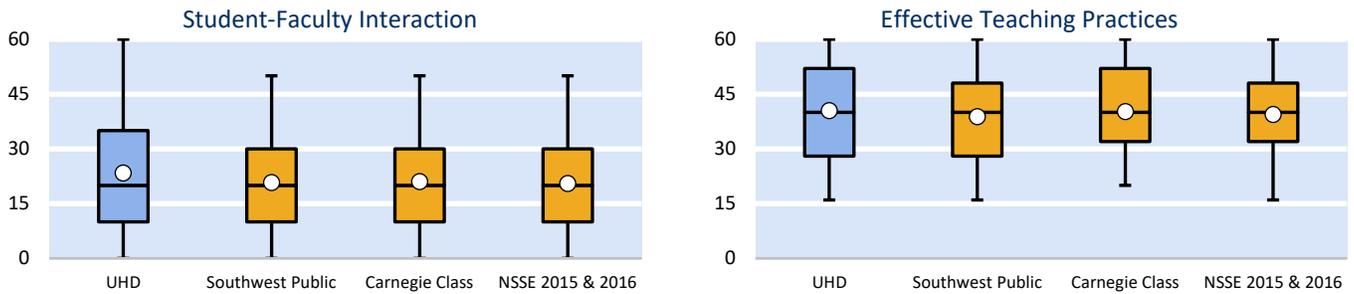
Students learn firsthand how experts think about and solve problems by interacting with faculty members inside and outside of instructional settings. As a result, faculty become role models, mentors, and guides for lifelong learning. In addition, effective teaching requires that faculty deliver course material and provide feedback in student-centered ways. Two Engagement Indicators investigate this theme: *Student-Faculty Interaction* and *Effective Teaching Practices*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	UHD Mean	Your first-year students compared with					
		Southwest Public		Carnegie Class		NSSE 2015 & 2016	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Student-Faculty Interaction	23.4	20.8	.17	21.0	.16	20.5	.19
Effective Teaching Practices	40.4	38.7	.13	40.1	.02	39.4	.08

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding; **p* < .05, ***p* < .01, ****p* < .001 (2-tailed).

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	UHD	Percentage point difference ^a between your FY students and		
		Southwest Public	Carnegie Class	NSSE 2015 & 2016
Student-Faculty Interaction				
Percentage of students who responded that they "Very often" or "Often"...				
	%			
3a. Talked about career plans with a faculty member	37	+3	+3	+4
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	26	+5	+6	+7
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	28	+2	+1	+3
3d. Discussed your academic performance with a faculty member	37	+8	+7	+8
Effective Teaching Practices				
Percentage responding "Very much" or "Quite a bit" about how much instructors have...				
5a. Clearly explained course goals and requirements	74	-4	-6	-5
5b. Taught course sessions in an organized way	72	-5	-6	-6
5c. Used examples or illustrations to explain difficult points	71	-4	-6	-4
5d. Provided feedback on a draft or work in progress	65	+4	-3	+0
5e. Provided prompt and detailed feedback on tests or completed assignments	63	+5	-2	+1

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Experiences with Faculty: Seniors

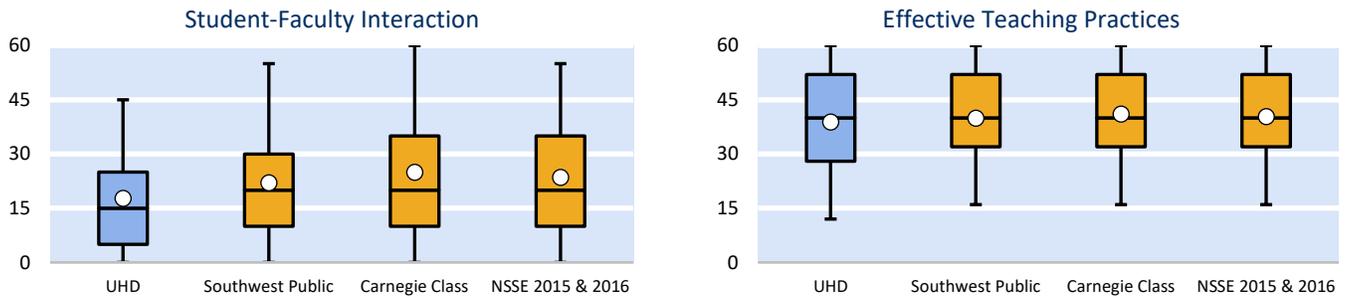
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Effective Teaching Practices	38.8	39.9	-.07	41.0 **	-.15	40.3 *	-.11

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<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
	%			
3a. Talked about career plans with a faculty member	28	-10	-16	-13
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	17	-8	-12	-10
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	21	-9	-15	-11
3d. Discussed your academic performance with a faculty member	24	-6	-12	-8
Effective Teaching Practices				
<i>Percentage responding "Very much" or "Quite a bit" about how much instructors have...</i>				
5a. Clearly explained course goals and requirements	74	-7	-7	-7
5b. Taught course sessions in an organized way	75	-4	-5	-5
5c. Used examples or illustrations to explain difficult points	71	-6	-8	-7
5d. Provided feedback on a draft or work in progress	60	+2	-5	-1
5e. Provided prompt and detailed feedback on tests or completed assignments	63	-1	-6	-3

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.

a. Percentage point difference = Institution percentage – Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.

Campus Environment: First-year students

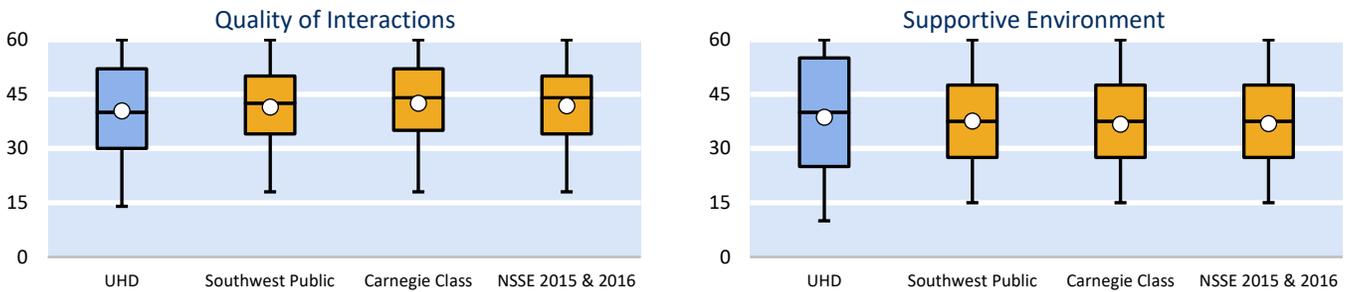
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	UHD Mean	Your first-year students compared with					
		Southwest Public		Carnegie Class		NSSE 2015 & 2016	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	40.4	41.4	-.08	42.5	-.17	41.8	-.11
Supportive Environment	38.6	37.5	.08	36.7	.14	36.8	.13

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding; **p* < .05, ***p* < .01, ****p* < .001 (2-tailed).

Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much **higher** your institution's percentage is from that of the comparison group. Orange bars indicate how much **lower** your institution's percentage is from that of the comparison group.

Quality of Interactions	UHD %	Percentage point difference ^a between your FY students and		
		Southwest Public	Carnegie Class	NSSE 2015 & 2016
<i>Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...</i>				
13a. Students	52	-2	-3	-4
13b. Academic advisors	44	-6	-7	-6
13c. Faculty	47	-0	-7	-3
13d. Student services staff (career services, student activities, housing, etc.)	44	-1	-2	-0
13e. Other administrative staff and offices (registrar, financial aid, etc.)	40	-2	-8	-3
<i>Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...</i>				
14b. Providing support to help students succeed academically	74	-2	-3	-3
14c. Using learning support services (tutoring services, writing center, etc.)	72	-6	-6	-6
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	72	+10	+13	+12
14e. Providing opportunities to be involved socially	67	-7	-3	-5
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	62	-9	-6	-8
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	58	+11	+15	+14
14h. Attending campus activities and events (performing arts, athletic events, etc.)	54	-17	-12	-13
14i. Attending events that address important social, economic, or political issues	61	+8	+8	+9

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.

a. Percentage point difference = Institution percentage – Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.

Campus Environment: Seniors

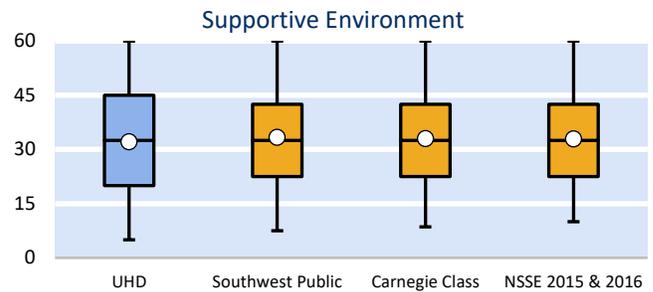
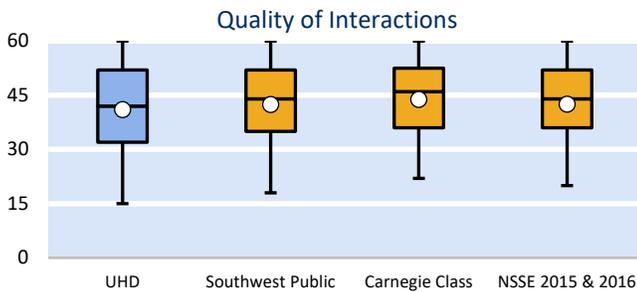
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	UHD Mean	Your seniors compared with					
		Southwest Public		Carnegie Class		NSSE 2015 & 2016	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	41.1	42.4 *	-.11	43.8 ***	-.23	42.6 *	-.12
Supportive Environment	32.2	33.4	-.08	33.1	-.06	32.9	-.05

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding; **p* < .05, ***p* < .01, ****p* < .001 (2-tailed).

Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much **higher** your institution's percentage is from that of the comparison group. Orange bars indicate how much **lower** your institution's percentage is from that of the comparison group.

Quality of Interactions	UHD %	Percentage point difference ^a between your seniors and		
		Southwest Public	Carnegie Class	NSSE 2015 & 2016
<i>Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...</i>	%			
13a. Students	62	+2	-1	+1
13b. Academic advisors	45	-6	-12	-8
13c. Faculty	57	-1	-6	-2
13d. Student services staff (career services, student activities, housing, etc.)	41	-3	-5	-2
13e. Other administrative staff and offices (registrar, financial aid, etc.)	44	+2	-2	+2
Supportive Environment				
<i>Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...</i>				
14b. Providing support to help students succeed academically	63	-8	-9	-8
14c. Using learning support services (tutoring services, writing center, etc.)	66	-1	-1	-1
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	57	+1	+5	+4
14e. Providing opportunities to be involved socially	61	-5	-3	-4
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	51	-11	-8	-10
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	34	+1	+1	+2
14h. Attending campus activities and events (performing arts, athletic events, etc.)	48	-11	-7	-9
14i. Attending events that address important social, economic, or political issues	51	+7	+5	+7

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.

a. Percentage point difference = Institution percentage – Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.

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Comparisons with Top 50% and Top 10% Institutions

While NSSE's policy is not to rank institutions (see nsse.indiana.edu/html/position_policies.cfm), the results below are designed to compare the engagement of your students with those attending two groups of institutions identified by NSSE^a for their high average levels of student engagement:

- (a) institutions with average scores placing them in the top 50% of all 2015 and 2016 NSSE institutions, and
- (b) institutions with average scores placing them in the top 10% of all 2015 and 2016 NSSE institutions.

While the average scores for most institutions are below the mean for the top 50% or top 10%, your institution may show areas of distinction where your average student was as engaged as (or even more engaged than) the typical student at high-performing institutions. A check mark (✓) signifies those comparisons where your average score was at least comparable^b to that of the high-performing group. However, the presence of a check mark does not necessarily mean that your institution was a member of that group.

It should be noted that most of the variability in student engagement is within, not between, institutions. Even "high-performing" institutions have students with engagement levels below the average for all institutions.

First-Year Students		UHD Mean	Your first-year students compared with						
			NSSE Top 50%			NSSE Top 10%			
			Mean	Effect size	✓	Mean	Effect size	✓	
Theme	Engagement Indicator								
Academic Challenge	Higher-Order Learning	41.6	40.5	.08	✓	42.7	-.08	✓	
	Reflective and Integrative Learning	36.6	37.4	-.06	✓	39.5 *	-.23		
	Learning Strategies	39.4	41.2	-.12		43.7 **	-.30		
	Quantitative Reasoning	31.6	29.4	.13	✓	31.3	.02	✓	
Learning with Peers	Collaborative Learning	32.3	35.2 *	-.21		37.3 ***	-.37		
	Discussions with Diverse Others	38.1	42.7 *	-.30		44.3 **	-.41		
Experiences with Faculty	Student-Faculty Interaction	23.4	23.8	-.03	✓	26.9 *	-.22		
	Effective Teaching Practices	40.4	41.6	-.08	✓	43.8 *	-.25		
Campus Environment	Quality of Interactions	40.4	44.1 *	-.31		45.9 ***	-.45		
	Supportive Environment	38.6	39.2	-.04	✓	40.9	-.17		

Seniors		UHD Mean	Your seniors compared with					
			NSSE Top 50%			NSSE Top 10%		
			Mean	Effect size	✓	Mean	Effect size	✓
Theme	Engagement Indicator							
Academic Challenge	Higher-Order Learning	40.7	43.1 ***	-.18		44.7 ***	-.29	
	Reflective and Integrative Learning	37.3	41.0 ***	-.29		42.9 ***	-.45	
	Learning Strategies	42.0	42.2	-.02	✓	44.5 ***	-.18	
	Quantitative Reasoning	29.4	31.8 **	-.14		33.2 ***	-.23	
Learning with Peers	Collaborative Learning	30.2	35.8 ***	-.40		37.9 ***	-.56	
	Discussions with Diverse Others	41.0	43.3 **	-.15		45.1 ***	-.26	
Experiences with Faculty	Student-Faculty Interaction	17.6	29.6 ***	-.74		33.0 ***	-.95	
	Effective Teaching Practices	38.8	42.7 ***	-.28		44.5 ***	-.42	
Campus Environment	Quality of Interactions	41.1	45.3 ***	-.37		46.9 ***	-.49	
	Supportive Environment	32.2	35.7 ***	-.26		38.1 ***	-.42	

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by the pooled standard deviation; *p < .05, **p < .01, ***p < .001 (2-tailed).

a. Precision-weighted means (produced by Hierarchical Linear Modeling) were used to determine the top 50% and top 10% institutions for each Engagement Indicator from all NSSE 2015 and 2016 institutions, separately for first-year and senior students. Using this method, Engagement Indicator scores of institutions with relatively large standard errors were adjusted toward the mean of all students, while those with smaller standard errors received smaller corrections. As a result, schools with less stable data—even those with high average scores—may not be among the top scorers. NSSE does not publish the names of the top 50% and top 10% institutions because of our commitment not to release institutional results and our policy against ranking institutions.

b. Check marks are assigned to comparisons that are either significant and positive, or non-significant with an effect size > -.10.

Detailed Statistics: First-Year Students

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Academic Challenge												
Higher-Order Learning												
UHD (N = 103)	41.6	14.4	1.42	20	35	40	55	60				
Southwest Public	38.2	13.9	.14	15	30	40	50	60	10,486	3.4	.014	.243
Carnegie Class	38.1	13.7	.23	15	30	40	50	60	3,698	3.5	.011	.254
NSSE 2015 & 2016	38.8	13.7	.04	20	30	40	50	60	115,071	2.9	.035	.208
Top 50%	40.5	13.6	.06	20	30	40	50	60	53,873	1.1	.414	.081
Top 10%	42.7	13.7	.13	20	35	40	55	60	11,468	-1.1	.429	-.078
Reflective & Integrative Learning												
UHD (N = 105)	36.6	13.0	1.26	20	26	37	46	60				
Southwest Public	34.8	12.6	.12	17	26	34	43	60	10,981	1.8	.142	.144
Carnegie Class	35.2	12.5	.20	17	26	34	43	57	3,863	1.4	.252	.113
NSSE 2015 & 2016	35.6	12.5	.04	17	26	34	43	60	120,354	1.0	.406	.081
Top 50%	37.4	12.5	.05	17	29	37	46	60	56,636	-.8	.531	-.061
Top 10%	39.5	12.8	.12	20	31	40	49	60	10,880	-2.9	.021	-.226
Learning Strategies												
UHD (N = 92)	39.4	14.4	1.49	20	27	40	53	60				
Southwest Public	38.0	14.3	.15	13	27	40	47	60	9,577	1.4	.349	.098
Carnegie Class	38.8	13.9	.24	13	27	40	47	60	3,387	.6	.673	.044
NSSE 2015 & 2016	39.2	14.1	.04	20	27	40	53	60	105,301	.2	.874	.017
Top 50%	41.2	14.1	.06	20	33	40	53	60	47,287	-1.8	.231	-.125
Top 10%	43.7	14.3	.13	20	33	47	60	60	12,239	-4.3	.004	-.304
Quantitative Reasoning												
UHD (N = 103)	31.6	15.4	1.52	7	20	27	40	60				
Southwest Public	28.4	16.3	.16	0	20	27	40	60	10,619	3.2	.051	.194
Carnegie Class	27.4	16.1	.27	0	20	27	40	60	3,728	4.2	.009	.261
NSSE 2015 & 2016	28.0	16.2	.05	0	20	27	40	60	116,426	3.6	.024	.223
Top 50%	29.4	16.1	.06	0	20	27	40	60	67,021	2.2	.177	.133
Top 10%	31.3	16.2	.13	0	20	33	40	60	15,907	.3	.841	.020
Learning with Peers												
Collaborative Learning												
UHD (N = 110)	32.3	15.1	1.45	10	20	30	40	60				
Southwest Public	33.0	14.2	.13	10	20	30	40	60	11,397	-.7	.609	-.049
Carnegie Class	32.0	14.0	.23	10	20	30	40	60	3,987	.3	.801	.024
NSSE 2015 & 2016	32.3	14.5	.04	10	20	30	40	60	124,581	.0	1.000	.000
Top 50%	35.2	13.8	.06	15	25	35	45	60	62,084	-2.9	.026	-.212
Top 10%	37.3	13.6	.12	15	25	40	45	60	13,165	-5.0	.000	-.369
Discussions with Diverse Others												
UHD (N = 94)	38.1	18.4	1.90	5	20	40	60	60				
Southwest Public	40.7	16.4	.17	10	30	40	60	60	95	-2.6	.175	-.158
Carnegie Class	38.9	16.1	.28	10	25	40	55	60	97	-.8	.673	-.050
NSSE 2015 & 2016	40.4	16.0	.05	15	30	40	55	60	93	-2.3	.234	-.143
Top 50%	42.7	15.2	.06	20	35	40	60	60	94	-4.6	.018	-.300
Top 10%	44.3	15.1	.12	20	35	45	60	60	94	-6.2	.002	-.411

Experiences with Faculty

Detailed Statistics: First-Year Students

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Student-Faculty Interaction												
UHD (N = 105)	23.4	17.6	1.71	0	10	20	35	60				
Southwest Public	20.8	15.2	.15	0	10	20	30	50	106	2.6	.136	.170
Carnegie Class	21.0	14.9	.25	0	10	20	30	50	109	2.4	.174	.158
NSSE 2015 & 2016	20.5	14.7	.04	0	10	20	30	50	104	2.9	.097	.195
Top 50%	23.8	15.0	.08	0	15	20	35	55	105	-.5	.787	-.031
Top 10%	26.9	16.0	.20	5	15	25	40	60	6,483	-3.6	.024	-.222
Effective Teaching Practices												
UHD (N = 104)	40.4	15.1	1.48	16	28	40	52	60				
Southwest Public	38.7	13.6	.13	16	28	40	48	60	105	1.7	.252	.126
Carnegie Class	40.1	13.2	.22	20	32	40	52	60	108	.3	.840	.023
NSSE 2015 & 2016	39.4	13.4	.04	16	32	40	48	60	104	1.0	.492	.076
Top 50%	41.6	13.4	.06	20	32	40	52	60	104	-1.1	.457	-.082
Top 10%	43.8	13.5	.14	20	36	44	56	60	105	-3.3	.027	-.247
Campus Environment												
Quality of Interactions												
UHD (N = 90)	40.4	14.8	1.56	14	30	40	52	60				
Southwest Public	41.4	12.6	.13	18	34	43	50	60	90	-1.1	.499	-.084
Carnegie Class	42.5	12.5	.22	18	35	44	52	60	92	-2.2	.174	-.172
NSSE 2015 & 2016	41.8	12.5	.04	18	34	44	50	60	89	-1.4	.373	-.112
Top 50%	44.1	11.8	.06	22	38	46	52	60	89	-3.7	.020	-.313
Top 10%	45.9	12.1	.13	22	40	48	56	60	90	-5.5	.001	-.452
Supportive Environment												
UHD (N = 87)	38.6	16.5	1.77	10	25	40	55	60				
Southwest Public	37.5	13.9	.15	15	28	38	48	60	87	1.1	.541	.079
Carnegie Class	36.7	13.7	.25	15	28	38	48	60	89	1.9	.288	.138
NSSE 2015 & 2016	36.8	13.9	.04	15	28	38	48	60	86	1.8	.313	.130
Top 50%	39.2	13.3	.06	18	30	40	50	60	86	-.5	.761	-.041
Top 10%	40.9	13.3	.12	20	33	40	53	60	87	-2.2	.216	-.167

a. Results weighted by institution-reported sex and enrollment status (and institutional size for comparison groups).

b. Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.

c. Standard error of the mean, used to compute a confidence interval (CI) around the sample mean. For example, the 95% CI (equal to the sample mean +/- 1.96 x SEM) is the range that is 95% likely to contain the true population mean.

d. A percentile is the point in the distribution of student-level EI scores at or below which a given percentage of EI scores fall.

e. Degrees of freedom used to compute the *t*-tests. Values vary from the total Ns due to weighting and whether equal variances were assumed.

f. Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

g. Effect size is the mean difference divided by the pooled standard deviation.

Detailed Statistics: Seniors

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Academic Challenge												
Higher-Order Learning												
UHD (N = 502)	40.7	14.5	.65	15	35	40	50	60				
Southwest Public	40.5	14.4	.12	15	30	40	55	60	15,851	.3	.700	.017
Carnegie Class	41.0	14.0	.22	20	30	40	55	60	4,429	-.3	.628	-.023
NSSE 2015 & 2016	40.9	14.1	.04	20	30	40	55	60	139,620	-.1	.812	-.011
Top 50%	43.1	13.8	.06	20	35	40	55	60	50,605	-2.4	.000	-.177
Top 10%	44.7	13.7	.11	20	40	45	60	60	16,069	-4.0	.000	-.290
Reflective & Integrative Learning												
UHD (N = 533)	37.3	13.3	.57	17	29	37	46	60				
Southwest Public	37.6	13.3	.11	17	29	37	49	60	16,421	-.3	.594	-.023
Carnegie Class	39.1	13.0	.20	17	30	40	49	60	4,593	-1.8	.002	-.141
NSSE 2015 & 2016	38.7	13.0	.03	17	29	40	49	60	145,117	-1.4	.011	-.110
Top 50%	41.0	12.7	.06	20	31	40	51	60	52,931	-3.7	.000	-.292
Top 10%	42.9	12.5	.11	20	34	43	54	60	13,660	-5.6	.000	-.447
Learning Strategies												
UHD (N = 468)	42.0	14.1	.65	20	33	40	53	60				
Southwest Public	40.0	14.9	.13	13	27	40	53	60	14,643	1.9	.006	.130
Carnegie Class	40.1	14.8	.24	13	27	40	53	60	4,181	1.9	.009	.129
NSSE 2015 & 2016	39.9	14.8	.04	13	27	40	53	60	130,674	2.1	.002	.142
Top 50%	42.2	14.5	.06	20	33	40	60	60	60,812	-.3	.673	-.020
Top 10%	44.5	14.2	.11	20	33	47	60	60	16,852	-2.5	.000	-.177
Quantitative Reasoning												
UHD (N = 516)	29.4	16.5	.72	0	20	27	40	60				
Southwest Public	30.1	17.0	.14	0	20	27	40	60	16,009	-.7	.347	-.042
Carnegie Class	29.6	16.9	.27	0	20	27	40	60	4,503	-.2	.798	-.012
NSSE 2015 & 2016	30.3	17.0	.05	0	20	27	40	60	141,611	-1.0	.203	-.056
Top 50%	31.8	16.9	.06	0	20	33	40	60	79,403	-2.4	.001	-.140
Top 10%	33.2	16.8	.11	0	20	33	47	60	22,253	-3.8	.000	-.228
Learning with Peers												
Collaborative Learning												
UHD (N = 547)	30.2	15.0	.64	5	20	30	40	60				
Southwest Public	32.4	15.1	.12	5	20	30	45	60	16,960	-2.2	.001	-.143
Carnegie Class	32.6	14.6	.23	10	20	30	40	60	4,668	-2.4	.000	-.162
NSSE 2015 & 2016	32.4	14.9	.04	10	20	30	40	60	148,617	-2.2	.000	-.150
Top 50%	35.8	13.9	.05	15	25	35	45	60	554	-5.6	.000	-.401
Top 10%	37.9	13.7	.11	15	30	40	50	60	580	-7.7	.000	-.558
Discussions with Diverse Others												
UHD (N = 473)	41.0	18.0	.83	5	30	40	60	60				
Southwest Public	42.1	16.8	.14	10	30	40	60	60	499	-1.1	.191	-.065
Carnegie Class	39.2	16.1	.26	15	25	40	55	60	571	1.8	.042	.109
NSSE 2015 & 2016	41.3	16.1	.04	15	30	40	60	60	474	-.4	.663	-.022
Top 50%	43.3	15.9	.06	15	35	45	60	60	476	-2.3	.005	-.147
Top 10%	45.1	15.8	.11	20	35	50	60	60	488	-4.1	.000	-.259

Experiences with Faculty

Detailed Statistics: Seniors

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Student-Faculty Interaction												
UHD (N = 520)	17.6	15.1	.66	0	5	15	25	45				
Southwest Public	22.0	16.3	.13	0	10	20	30	55	560	-4.4	.000	-.270
Carnegie Class	24.9	16.6	.26	0	10	20	35	60	693	-7.2	.000	-.441
NSSE 2015 & 2016	23.5	16.3	.04	0	10	20	35	55	524	-5.9	.000	-.359
Top 50%	29.6	16.1	.09	5	20	30	40	60	540	-11.9	.000	-.738
Top 10%	33.0	16.3	.23	5	20	30	45	60	651	-15.4	.000	-.950
Effective Teaching Practices												
UHD (N = 525)	38.8	15.9	.70	12	28	40	52	60				
Southwest Public	39.9	14.4	.11	16	32	40	52	60	553	-1.1	.130	-.074
Carnegie Class	41.0	13.9	.22	16	32	40	52	60	632	-2.2	.003	-.154
NSSE 2015 & 2016	40.3	13.9	.04	16	32	40	52	60	527	-1.5	.031	-.108
Top 50%	42.7	13.7	.06	20	32	44	56	60	533	-3.9	.000	-.285
Top 10%	44.5	13.4	.13	20	36	44	56	60	562	-5.7	.000	-.421
Campus Environment												
Quality of Interactions												
UHD (N = 432)	41.1	13.6	.65	15	32	42	52	60				
Southwest Public	42.4	12.5	.11	18	35	44	52	60	455	-1.3	.042	-.107
Carnegie Class	43.8	11.9	.20	22	36	46	53	60	514	-2.7	.000	-.227
NSSE 2015 & 2016	42.6	12.0	.03	20	36	44	52	60	434	-1.5	.023	-.124
Top 50%	45.3	11.5	.06	24	40	48	54	60	438	-4.2	.000	-.368
Top 10%	46.9	11.9	.10	24	40	50	56	60	453	-5.8	.000	-.486
Supportive Environment												
UHD (N = 433)	32.2	16.1	.77	5	20	33	45	60				
Southwest Public	33.4	14.8	.13	8	23	33	43	60	456	-1.2	.112	-.084
Carnegie Class	33.1	14.6	.25	9	23	33	43	60	523	-.9	.268	-.061
NSSE 2015 & 2016	32.9	14.4	.04	10	23	33	43	60	434	-.8	.323	-.053
Top 50%	35.7	13.9	.06	13	25	35	45	60	438	-3.6	.000	-.255
Top 10%	38.1	13.9	.14	15	28	40	48	60	463	-5.9	.000	-.423

a. Results weighted by institution-reported sex and enrollment status (and institutional size for comparison groups).

b. Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.

c. Standard error of the mean, used to compute a confidence interval (CI) around the sample mean. For example, the 95% CI (equal to the sample mean +/- 1.96 x SEM) is the range that is 95% likely to contain the true population mean.

d. A percentile is the point in the distribution of student-level EI scores at or below which a given percentage of EI scores fall.

e. Degrees of freedom used to compute the *t*-tests. Values vary from the total Ns due to weighting and whether equal variances were assumed.

f. Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

g. Effect size is the mean difference divided by the pooled standard deviation.