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# NSSE 2021

## Engagement Indicators

Miami University-Oxford

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### 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.

Theme	Engagement Indicator
<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 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 2020 and 2021 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, 2018). 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. Your NSSE Tableau dashboards and Report Builder (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](https://nsse.indiana.edu)

## 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 Great Lakes Public	Your first-year students compared with Carnegie Class	Your first-year students compared with NSSE 2020 & 2021
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 Great Lakes Public	Your seniors compared with Carnegie Class	Your seniors compared with NSSE 2020 & 2021
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

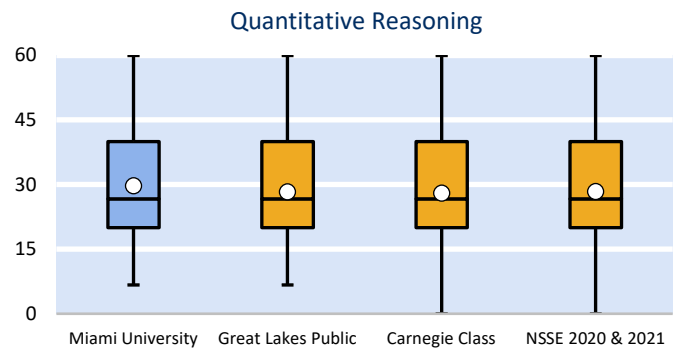
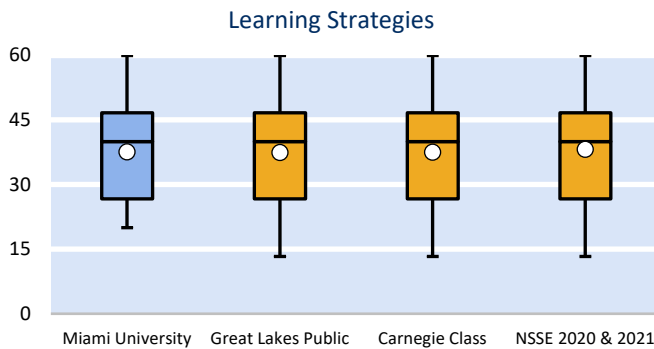
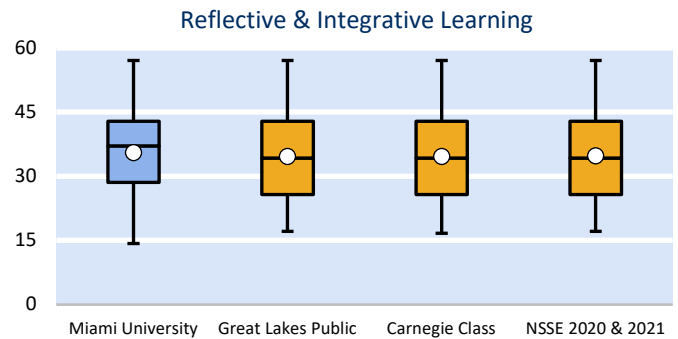
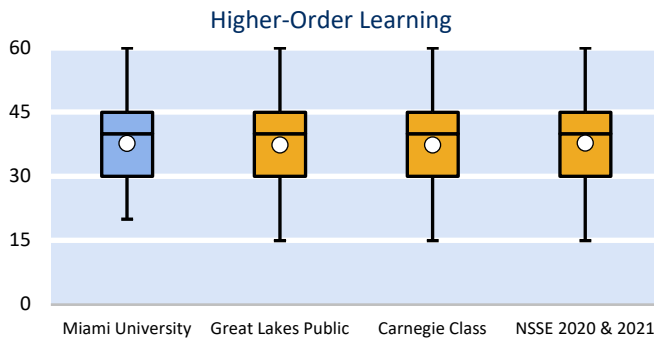
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *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	Miami University Mean	Your first-year students compared with					
		Great Lakes Public		Carnegie Class		NSSE 2020 & 2021	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	37.8	37.4	.03	37.3	.03	37.8	.00
Reflective & Integrative Learning	35.6	34.7 *	.08	34.7 *	.08	34.9	.06
Learning Strategies	37.6	37.5	.01	37.5	.00	38.2	-.04
Quantitative Reasoning	29.7	28.3 *	.09	28.0 **	.11	28.4 *	.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).

#### 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. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

	Miami University	Percentage point difference <sup>a</sup> between your FY students and		
		Great Lakes Public	Carnegie Class	NSSE 2020 & 2021
<b>Higher-Order Learning</b>				
<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	71	+1	+3	+2
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	69	+1	+2	+1
4d. Evaluating a point of view, decision, or information source	66	-1	-1	-3
4e. Forming a new idea or understanding from various pieces of information	69	+0	+0	-1
<b>Reflective &amp; Integrative Learning</b>				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
2a. Combined ideas from different courses when completing assignments	56	+6	+7	+7
2b. Connected your learning to societal problems or issues	55	+5	+5	+4
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	56	+6	+5	+4
2d. Examined the strengths and weaknesses of your own views on a topic or issue	65	+3	+2	+2
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	70	+0	-0	-0
2f. Learned something that changed the way you understand an issue or concept	67	+2	+2	+2
2g. Connected ideas from your courses to your prior experiences and knowledge	79	+2	+3	+3
<b>Learning Strategies</b>				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
9a. Identified key information from reading assignments	79	+6	+6	+5
9b. Reviewed your notes after class	58	-6	-7	-8
9c. Summarized what you learned in class or from course materials	65	+3	+3	+2
<b>Quantitative Reasoning</b>				
<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	+3	+3	+3
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	44	+3	+4	+3
6c. Evaluated what others have concluded from numerical information	44	+4	+5	+4

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile 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

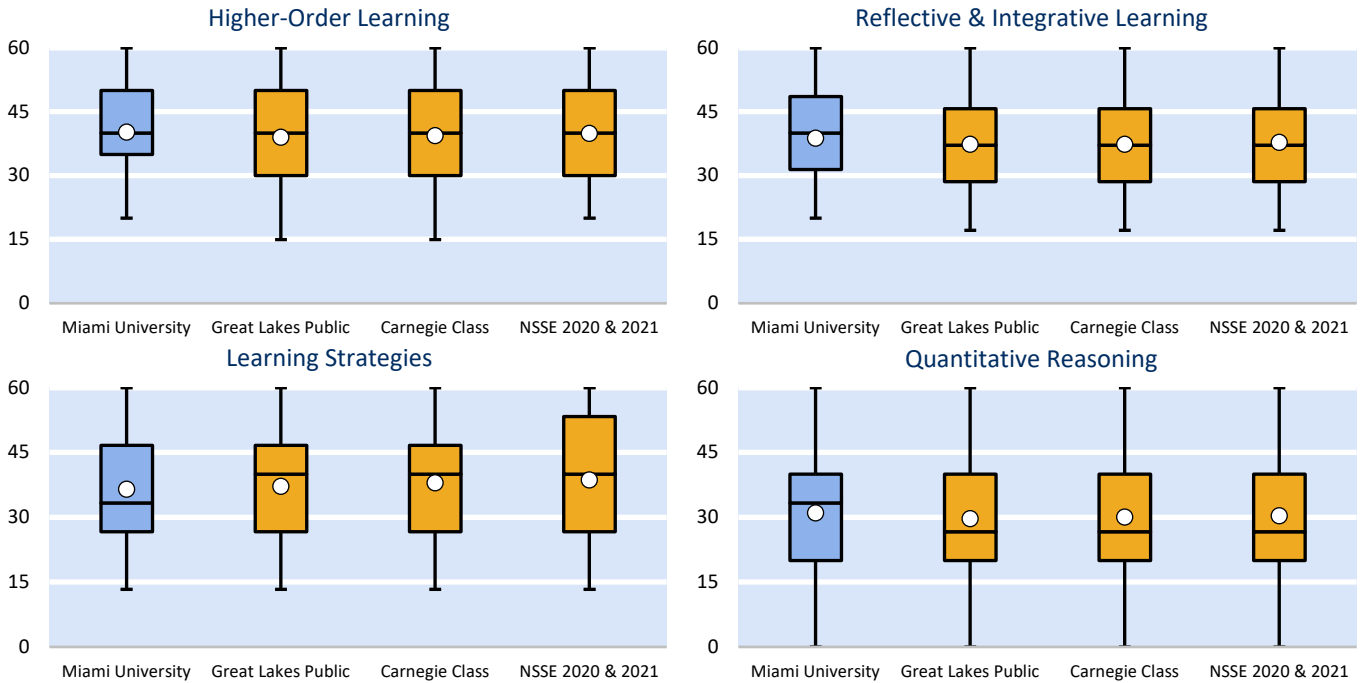
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *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	Miami University Mean	Your seniors compared with					
		Great Lakes Public		Carnegie Class		NSSE 2020 & 2021	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	40.2	39.0 *	.09	39.3	.06	39.9	.02
Reflective & Integrative Learning	38.8	37.3 **	.12	37.3 **	.11	37.8 *	.08
Learning Strategies	36.5	37.2	-.05	37.9 *	-.10	38.6 ***	-.15
Quantitative Reasoning	31.0	29.7 *	.09	30.1	.06	30.4	.04

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. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

	Miami University	Percentage point difference <sup>a</sup> between your seniors and		
		Great Lakes Public	Carnegie Class	NSSE 2020 & 2021
<b>Higher-Order Learning</b>				
<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	79	+3	+3	+3
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	77	+4	+4	+3
4d. Evaluating a point of view, decision, or information source	71	+3	+3	+0
4e. Forming a new idea or understanding from various pieces of information	72	+2	+1	-0
<b>Reflective &amp; Integrative Learning</b>				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
2a. Combined ideas from different courses when completing assignments	75	+6	+8	+8
2b. Connected your learning to societal problems or issues	62	+4	+4	+2
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	55	+4	+5	+2
2d. Examined the strengths and weaknesses of your own views on a topic or issue	65	+0	+0	-1
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	73	+2	+2	+1
2f. Learned something that changed the way you understand an issue or concept	75	+5	+5	+4
2g. Connected ideas from your courses to your prior experiences and knowledge	86	+4	+5	+4
<b>Learning Strategies</b>				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
9a. Identified key information from reading assignments	76	+1	+1	-1
9b. Reviewed your notes after class	55	-4	-7	-8
9c. Summarized what you learned in class or from course materials	61	-1	-2	-4
<b>Quantitative Reasoning</b>				
<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.)	54	-0	-1	-2
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	48	+3	+3	+1
6c. Evaluated what others have concluded from numerical information	48	+4	+3	+2

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### Learning with Peers: First-year students

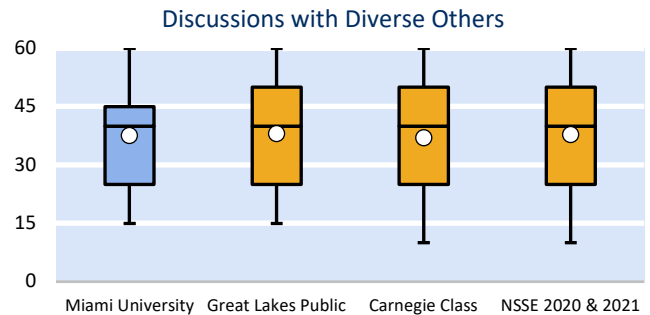
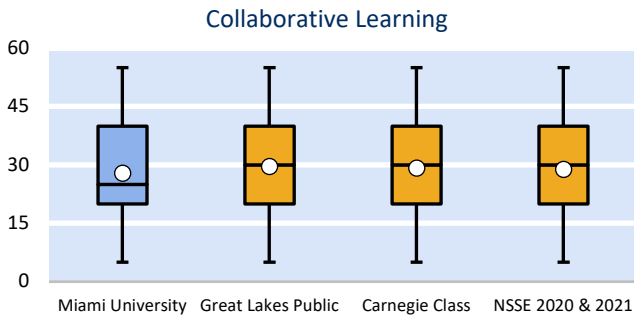
Collaborating with others in mastering difficult material and developing interpersonal and social competence prepare students to deal with complex, unscripted problems they will encounter during and after college. Two Engagement Indicators make up this theme: *Collaborative Learning* and *Discussions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

#### Mean Comparisons

Engagement Indicator	Miami University Mean	Your first-year students compared with					
		Great Lakes Public		Carnegie Class		NSSE 2020 & 2021	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	27.9	29.6 **	-.12	29.3 *	-.09	29.0 *	-.07
Discussions with Diverse Others	37.7	38.1	-.03	37.1	.04	37.9	-.01

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



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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. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

	Miami University	Percentage point difference <sup>a</sup> between your FY students and		
		Great Lakes Public	Carnegie Class	NSSE 2020 & 2021
<b>Collaborative Learning</b>				
Percentage of students who responded that they "Very often" or "Often"...				
1b. Asked another student to help you understand course material	41	-6	-5	-5
1c. Explained course material to one or more students	46	-6	-3	-3
1d. Prepared for exams by discussing or working through course material with other students	34	-8	-7	-7
1e. Worked with other students on course projects or assignments	49	+1	+1	+1
<b>Discussions with Diverse Others</b>				
Percentage of students who responded that they "Very often" or "Often" had discussions with...				
8a. People of a race or ethnicity other than your own	60	-6	-5	-8
8b. People from an economic background other than your own	67	-2	-0	-1
8c. People with religious beliefs other than your own	67	+1	+6	+4
8d. People with political views other than your own	66	+3	+6	+5

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

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### Learning with Peers: Seniors

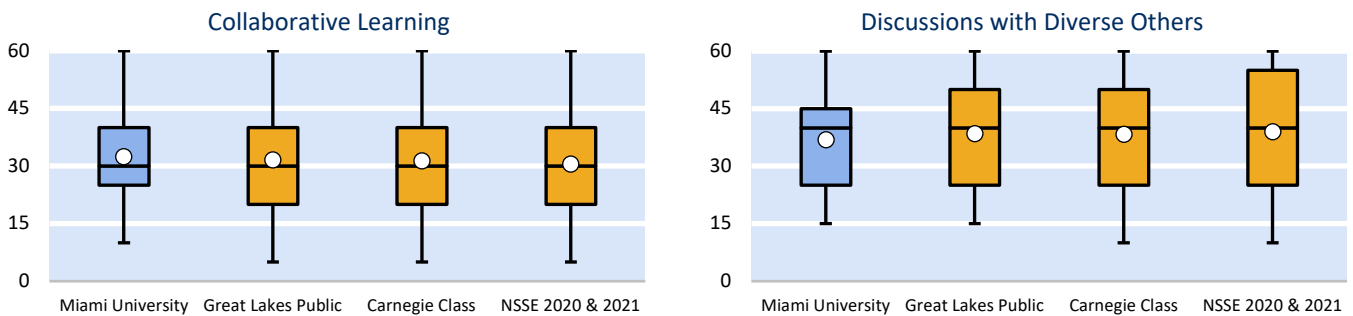
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#### Mean Comparisons

Engagement Indicator	Miami University Mean	Your seniors compared with					
		Great Lakes Public		Carnegie Class		NSSE 2020 & 2021	
	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	32.5	31.7	.05	31.4 *	.07	30.6 ***	.12
Discussions with Diverse Others	36.9	38.5 **	-.10	38.3 *	-.09	39.0 ***	-.13

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	Miami University	Percentage point difference <sup>a</sup> between your seniors and		
		Great Lakes Public	Carnegie Class	NSSE 2020 & 2021
<b>Collaborative Learning</b>				
Percentage of students who responded that they "Very often" or "Often"...				
1b. Asked another student to help you understand course material	42	-1	-1	+1
1c. Explained course material to one or more students	56	-0	+1	+3
1d. Prepared for exams by discussing or working through course material with other students	45	+1	+1	+2
1e. Worked with other students on course projects or assignments	71	+8	+10	+11
<b>Discussions with Diverse Others</b>				
Percentage of students who responded that they "Very often" or "Often" had discussions with...				
8a. People of a race or ethnicity other than your own	57	-9	-9	-13
8b. People from an economic background other than your own	63	-6	-6	-7
8c. People with religious beliefs other than your own	62	-4	-2	-4
8d. People with political views other than your own	61	-1	-1	-1

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## Experiences with Faculty: First-year students

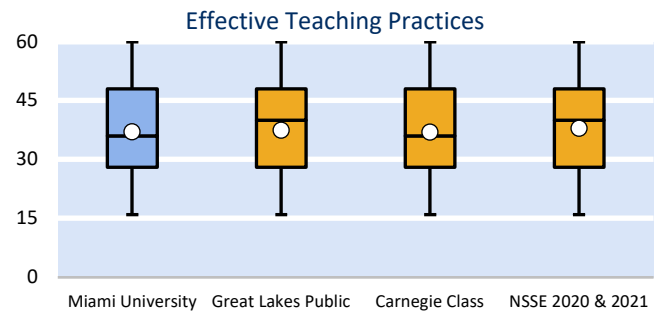
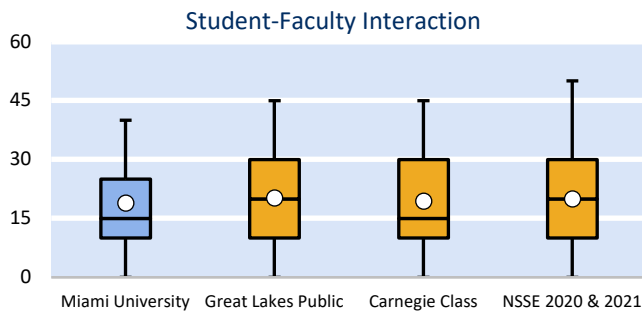
Students learn firsthand how experts think about and solve problems by interacting with faculty members inside and outside of instructional settings. As a result, faculty become role models, mentors, and guides for lifelong learning. In addition, effective teaching requires that faculty deliver course 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	Miami University Mean	Your first-year students compared with					
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Student-Faculty Interaction	19.0	20.3 *	-.09	19.5	-.04	20.0 *	-.07
Effective Teaching Practices	37.2	37.5	-.03	37.0	.01	38.0	-.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).

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Student-Faculty Interaction	Miami University	Percentage point difference <sup>a</sup> between your FY students and		
		Great Lakes Public	Carnegie Class	NSSE 2020 & 2021
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
3a. Talked about career plans with a faculty member	31	-6	-4	-5
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	18	-1	+0	-1
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	22	-1	-0	-1
3d. Discussed your academic performance with a faculty member	24	-3	-3	-4
<i>Effective Teaching Practices</i>				
<i>Percentage responding "Very much" or "Quite a bit" about how much instructors have...</i>				
5a. Clearly explained course goals and requirements	76	-0	+2	+1
5b. Taught course sessions in an organized way	72	-1	+2	-1
5c. Used examples or illustrations to explain difficult points	71	-2	-0	-2
5d. Provided feedback on a draft or work in progress	57	-3	-2	-5
5e. Provided prompt and detailed feedback on tests or completed assignments	55	-2	+1	-3

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

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## Experiences with Faculty: Seniors

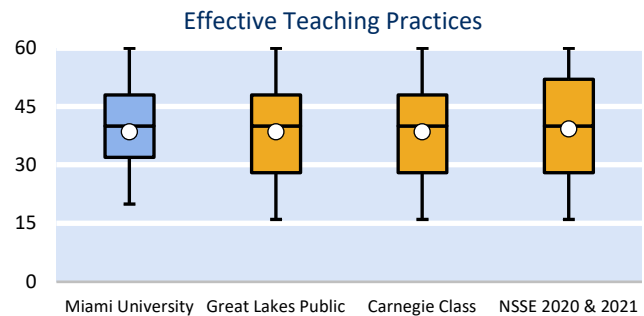
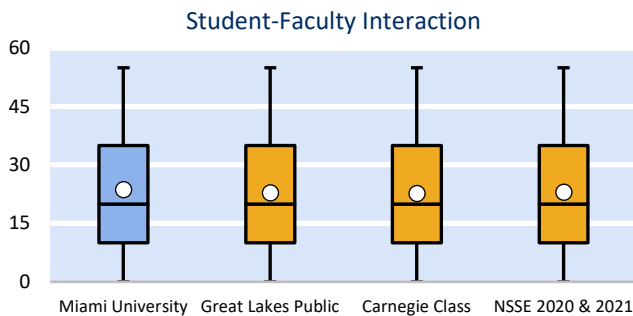
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Student-Faculty Interaction	23.6	22.8	.06	22.6	.06	23.0	.04
Effective Teaching Practices	38.5	38.5	.00	38.5	.00	39.2	-.05

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. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

Student-Faculty Interaction	Miami University	Percentage point difference <sup>a</sup> between your seniors and		
		Great Lakes Public	Carnegie Class	NSSE 2020 & 2021
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
	%			
3a. Talked about career plans with a faculty member	39	-2	-1	-2
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	31	+5	+5	+5
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	32	+2	+3	+2
3d. Discussed your academic performance with a faculty member	29	-0	-1	-2
<i>Effective Teaching Practices</i>				
<i>Percentage responding "Very much" or "Quite a bit" about how much instructors have...</i>				
5a. Clearly explained course goals and requirements	78	+1	+1	-0
5b. Taught course sessions in an organized way	73	-1	+0	-2
5c. Used examples or illustrations to explain difficult points	77	+2	+2	+1
5d. Provided feedback on a draft or work in progress	62	+3	+3	+0
5e. Provided prompt and detailed feedback on tests or completed assignments	62	+1	+1	-1

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile 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

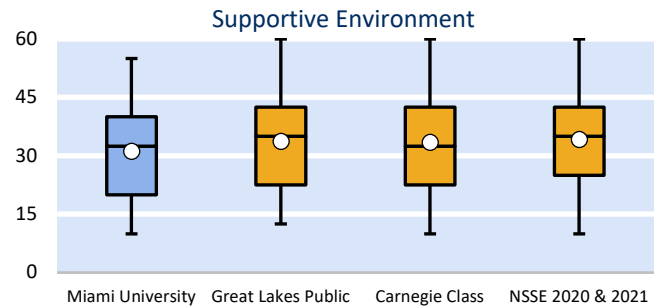
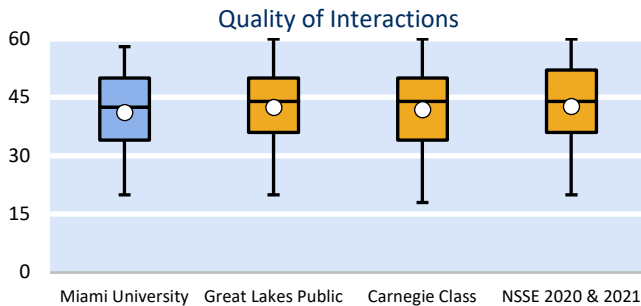
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your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

#### Mean Comparisons

Engagement Indicator	Miami University Mean	Your first-year students compared with					
		Great Lakes Public		Carnegie Class		NSSE 2020 & 2021	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	41.0	42.4 **	-.11	41.8	-.06	42.7 ***	-.13
Supportive Environment	31.1	33.7 ***	-.19	33.4 ***	-.16	34.2 ***	-.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.

#### 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. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

Quality of Interactions	Miami University	Percentage point difference <sup>a</sup> between your FY students and		
		Great Lakes Public	Carnegie Class	NSSE 2020 & 2021
<i>Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...</i>				
	%			
13a. Students	44	-5	-5	-7
13b. Academic advisors	50	-5	-3	-4
13c. Faculty	49	-1	+1	-3
13d. Student services staff (career services, student activities, housing, etc.)	44	-1	-1	-3
13e. Other administrative staff and offices (registrar, financial aid, etc.)	39	-4	-4	-7
<i>Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...</i>				
14b. Providing support to help students succeed academically	66	-6	-4	-7
14c. Using learning support services (tutoring services, writing center, etc.)	66	-7	-7	-8
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	57	-1	-0	-2
14e. Providing opportunities to be involved socially	63	-2	+0	-2
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	61	-4	-3	-4
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	29	-8	-8	-11
14h. Attending campus activities and events (performing arts, athletic events, etc.)	44	-11	-10	-11
14i. Attending events that address important social, economic, or political issues	39	-3	-4	-5

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile 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

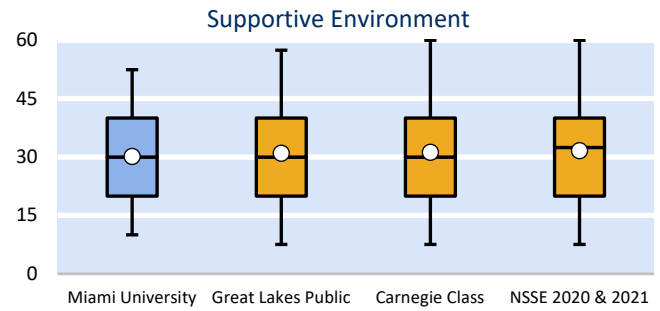
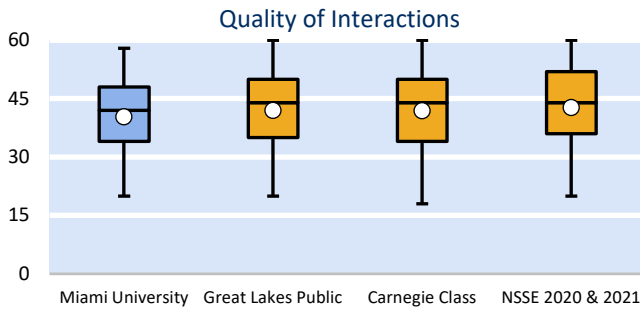
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your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

#### Mean Comparisons

Engagement Indicator	Miami University Mean	Your seniors compared with					
		Great Lakes Public		Carnegie Class		NSSE 2020 & 2021	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	40.4	42.0 ***	-.14	42.0 ***	-.13	42.8 ***	-.19
Supportive Environment	30.2	31.1	-.06	31.3 *	-.08	31.7 **	-.10

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. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

Quality of Interactions	Miami University	Percentage point difference <sup>a</sup> between your seniors and		
		Great Lakes Public	Carnegie Class	NSSE 2020 & 2021
<i>Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...</i>				
	%			
13a. Students	54	-3	-3	-4
13b. Academic advisors	42	-9	-8	-11
13c. Faculty	57	+3	+2	+0
13d. Student services staff (career services, student activities, housing, etc.)	39	-3	-4	-6
13e. Other administrative staff and offices (registrar, financial aid, etc.)	30	-11	-12	-14
<i>Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...</i>				
14b. Providing support to help students succeed academically	65	-2	-2	-3
14c. Using learning support services (tutoring services, writing center, etc.)	62	-1	-2	-3
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	45	-7	-7	-10
14e. Providing opportunities to be involved socially	70	+9	+9	+8
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	55	-3	-4	-4
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	24	-4	-6	-8
14h. Attending campus activities and events (performing arts, athletic events, etc.)	53	+2	+2	+2
14i. Attending events that address important social, economic, or political issues	36	-3	-4	-4

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile 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 [go.iu.edu/NSSE-PnP](https://go.iu.edu/NSSE-PnP)), the results below are designed to compare the engagement of your students with those attending two groups of institutions identified by NSSE<sup>a</sup> for their high average levels of student engagement:

- (a) institutions with average scores placing them in the top 50% of all 2020 and 2021 NSSE institutions, and
- (b) institutions with average scores placing them in the top 10% of all 2020 and 2021 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<sup>b</sup> 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

Theme	Engagement Indicator	Miami University Mean	Your first-year students compared with					
			NSSE Top 50%			NSSE Top 10%		
			Mean	Effect size	✓	Mean	Effect size	✓
Academic Challenge	Higher-Order Learning	37.8	39.3 **	-.11		41.9 ***	-.32	
	Reflective and Integrative Learning	35.6	36.5 *	-.07		39.1 ***	-.30	
	Learning Strategies	37.6	39.7 ***	-.15		43.0 ***	-.38	
	Quantitative Reasoning	29.7	29.7	.00	✓	32.5 ***	-.18	
Learning with Peers	Collaborative Learning	27.9	33.9 ***	-.43		37.0 ***	-.66	
	Discussions with Diverse Others	37.7	40.6 ***	-.19		43.8 ***	-.43	
Experiences with Faculty	Student-Faculty Interaction	19.0	23.2 ***	-.29		27.8 ***	-.59	
	Effective Teaching Practices	37.2	40.4 ***	-.24		43.2 ***	-.45	
Campus Environment	Quality of Interactions	41.0	45.1 ***	-.35		47.7 ***	-.54	
	Supportive Environment	31.1	36.8 ***	-.43		39.9 ***	-.69	

#### Seniors

Theme	Engagement Indicator	Miami University Mean	Your seniors compared with					
			NSSE Top 50%			NSSE Top 10%		
			Mean	Effect size	✓	Mean	Effect size	✓
Academic Challenge	Higher-Order Learning	40.2	41.6 **	-.10		43.9 ***	-.28	
	Reflective and Integrative Learning	38.8	39.8 *	-.08		42.5 ***	-.31	
	Learning Strategies	36.5	40.6 ***	-.28		43.5 ***	-.49	
	Quantitative Reasoning	31.0	31.6	-.04	✓	34.8 ***	-.24	
Learning with Peers	Collaborative Learning	32.5	35.0 ***	-.18		38.8 ***	-.47	
	Discussions with Diverse Others	36.9	41.2 ***	-.28		44.2 ***	-.48	
Experiences with Faculty	Student-Faculty Interaction	23.6	28.5 ***	-.30		33.6 ***	-.63	
	Effective Teaching Practices	38.5	41.5 ***	-.22		44.6 ***	-.46	
Campus Environment	Quality of Interactions	40.4	45.2 ***	-.40		48.2 ***	-.66	
	Supportive Environment	30.2	34.1 ***	-.28		37.2 ***	-.49	

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 were used to determine the top 50% and top 10% institutions for each Engagement Indicator from all NSSE 2020 and 2021 institutions, separately by class.

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 <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SE <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Academic Challenge</b>												
<b>Higher-Order Learning</b>												
Miami University (N = 689)	37.8	13.1	.50	20	30	40	45	60				
Great Lakes Public	37.4	13.0	.10	15	30	40	45	60	16,169	.4	.393	.033
Carnegie Class	37.3	13.4	.09	15	30	40	45	60	24,651	.4	.391	.033
NSSE 2020 & 2021	37.8	13.5	.04	15	30	40	45	60	134,702	.0	.992	.000
Top 50%	39.3	13.2	.05	20	30	40	50	60	74,191	-1.5	.004	-.111
Top 10%	41.9	12.9	.14	20	35	40	55	60	9,703	-4.1	.000	-.317
<b>Reflective &amp; Integrative Learning</b>												
Miami University (N = 745)	35.6	12.0	.44	14	29	37	43	57				
Great Lakes Public	34.7	11.9	.09	17	26	34	43	57	17,592	.9	.040	.077
Carnegie Class	34.7	12.1	.07	17	26	34	43	57	27,005	.9	.041	.076
NSSE 2020 & 2021	34.9	12.2	.03	17	26	34	43	57	147,111	.7	.096	.061
Top 50%	36.5	12.0	.04	17	29	37	46	57	72,021	-.9	.043	-.074
Top 10%	39.1	11.8	.13	20	31	40	49	60	8,948	-3.5	.000	-.298
<b>Learning Strategies</b>												
Miami University (N = 641)	37.6	13.1	.52	20	27	40	47	60				
Great Lakes Public	37.5	13.8	.11	13	27	40	47	60	705	.1	.815	.009
Carnegie Class	37.5	13.9	.09	13	27	40	47	60	682	.1	.904	.005
NSSE 2020 & 2021	38.2	14.0	.04	13	27	40	47	60	648	-.6	.262	-.042
Top 50%	39.7	14.0	.05	20	27	40	53	60	655	-2.2	.000	-.154
Top 10%	43.0	14.3	.13	20	33	40	60	60	727	-5.4	.000	-.378
<b>Quantitative Reasoning</b>												
Miami University (N = 646)	29.7	14.6	.57	7	20	27	40	60				
Great Lakes Public	28.3	14.9	.12	7	20	27	40	60	15,403	1.4	.021	.093
Carnegie Class	28.0	15.2	.10	0	20	27	40	60	23,439	1.7	.005	.111
NSSE 2020 & 2021	28.4	15.4	.04	0	20	27	40	60	652	1.3	.026	.083
Top 50%	29.7	15.3	.05	7	20	27	40	60	656	.0	.944	-.003
Top 10%	32.5	15.5	.15	7	20	33	40	60	737	-2.8	.000	-.181
<b>Learning with Peers</b>												
<b>Collaborative Learning</b>												
Miami University (N = 799)	27.9	14.1	.50	5	20	25	40	55				
Great Lakes Public	29.6	14.6	.11	5	20	30	40	55	18,970	-1.7	.001	-.117
Carnegie Class	29.3	14.8	.09	5	20	30	40	55	29,464	-1.3	.011	-.091
NSSE 2020 & 2021	29.0	15.2	.04	5	20	30	40	55	807	-1.0	.038	-.068
Top 50%	33.9	13.9	.04	10	25	35	45	60	105,958	-6.0	.000	-.429
Top 10%	37.0	13.6	.09	15	25	40	45	60	21,559	-9.1	.000	-.664
<b>Discussions with Diverse Others</b>												
Miami University (N = 641)	37.7	14.4	.57	15	25	40	45	60				
Great Lakes Public	38.1	15.4	.13	15	25	40	50	60	706	-.5	.411	-.031
Carnegie Class	37.1	15.8	.11	10	25	40	50	60	685	.6	.293	.039
NSSE 2020 & 2021	37.9	16.1	.05	10	25	40	50	60	648	-.2	.740	-.012
Top 50%	40.6	15.2	.05	15	30	40	55	60	651	-3.0	.000	-.195
Top 10%	43.8	14.4	.13	20	35	45	60	60	12,410	-6.1	.000	-.427



#### Detailed Statistics: First-Year Students

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SE <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Experiences with Faculty</b>												
<b>Student-Faculty Interaction</b>												
Miami University (N = 715)	19.0	13.3	.50	0	10	15	25	40				
Great Lakes Public	20.3	14.0	.11	0	10	20	30	45	16,778	-1.3	.015	-.093
Carnegie Class	19.5	14.4	.09	0	10	15	30	45	762	-.5	.311	-.036
NSSE 2020 & 2021	20.0	14.5	.04	0	10	20	30	50	722	-1.1	.033	-.074
Top 50%	23.2	14.7	.07	0	10	20	30	50	738	-4.2	.000	-.287
Top 10%	27.8	15.2	.20	5	15	25	40	60	964	-8.8	.000	-.588
<b>Effective Teaching Practices</b>												
Miami University (N = 683)	37.2	12.8	.49	16	28	36	48	60				
Great Lakes Public	37.5	12.9	.10	16	28	40	48	60	16,094	-.4	.479	-.028
Carnegie Class	37.0	13.5	.09	16	28	36	48	60	726	.1	.791	.010
NSSE 2020 & 2021	38.0	13.6	.04	16	28	40	48	60	690	-.9	.072	-.065
Top 50%	40.4	13.5	.06	20	32	40	52	60	702	-3.3	.000	-.242
Top 10%	43.2	13.4	.16	20	36	44	56	60	830	-6.1	.000	-.452
<b>Campus Environment</b>												
<b>Quality of Interactions</b>												
Miami University (N = 581)	41.0	11.7	.49	20	34	43	50	58				
Great Lakes Public	42.4	11.8	.10	20	36	44	50	60	13,908	-1.3	.009	-.111
Carnegie Class	41.8	12.5	.09	18	34	44	50	60	618	-.7	.135	-.059
NSSE 2020 & 2021	42.7	12.4	.04	20	36	44	52	60	587	-1.6	.001	-.130
Top 50%	45.1	11.5	.05	24	38	46	54	60	46,633	-4.0	.000	-.351
Top 10%	47.7	12.3	.13	24	40	50	58	60	10,274	-6.6	.000	-.540
<b>Supportive Environment</b>												
Miami University (N = 617)	31.1	13.0	.52	10	20	33	40	55				
Great Lakes Public	33.7	13.6	.11	13	23	35	43	60	14,714	-2.6	.000	-.188
Carnegie Class	33.4	14.0	.09	10	23	33	43	60	657	-2.3	.000	-.165
NSSE 2020 & 2021	34.2	14.0	.04	10	25	35	43	60	623	-3.1	.000	-.221
Top 50%	36.8	13.5	.06	15	28	38	45	60	57,438	-5.7	.000	-.427
Top 10%	39.9	12.8	.15	18	33	40	50	60	8,093	-8.8	.000	-.686

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 SE) 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 <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SE <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Academic Challenge</b>												
<b>Higher-Order Learning</b>												
Miami University (N = 684)	40.2	12.8	.49	20	35	40	50	60				
Great Lakes Public	39.0	13.6	.09	15	30	40	50	60	735	1.2	.014	.091
Carnegie Class	39.3	14.0	.08	15	30	40	50	60	720	.9	.086	.061
NSSE 2020 & 2021	39.9	13.8	.03	20	30	40	50	60	689	.3	.584	.019
Top 50%	41.6	13.6	.05	20	35	40	55	60	697	-1.4	.005	-.102
Top 10%	43.9	13.0	.14	20	35	40	55	60	805	-3.7	.000	-.284
<b>Reflective &amp; Integrative Learning</b>												
Miami University (N = 722)	38.8	12.1	.45	20	31	40	49	60				
Great Lakes Public	37.3	12.6	.08	17	29	37	46	60	22,700	1.5	.002	.117
Carnegie Class	37.3	12.9	.07	17	29	37	46	60	757	1.5	.001	.114
NSSE 2020 & 2021	37.8	12.8	.03	17	29	37	46	60	727	1.0	.030	.077
Top 50%	39.8	12.4	.05	20	31	40	49	60	72,547	-1.0	.036	-.079
Top 10%	42.5	11.7	.15	23	34	43	51	60	6,700	-3.7	.000	-.315
<b>Learning Strategies</b>												
Miami University (N = 645)	36.5	14.7	.58	13	27	33	47	60				
Great Lakes Public	37.2	14.7	.10	13	27	40	47	60	20,307	-.7	.255	-.046
Carnegie Class	37.9	14.9	.09	13	27	40	47	60	29,309	-1.4	.015	-.097
NSSE 2020 & 2021	38.6	14.7	.04	13	27	40	53	60	168,147	-2.2	.000	-.146
Top 50%	40.6	14.6	.05	20	33	40	53	60	86,011	-4.1	.000	-.278
Top 10%	43.5	14.2	.13	20	33	40	60	60	11,757	-7.0	.000	-.490
<b>Quantitative Reasoning</b>												
Miami University (N = 650)	31.0	16.2	.64	0	20	33	40	60				
Great Lakes Public	29.7	16.1	.11	0	20	27	40	60	20,562	1.4	.031	.086
Carnegie Class	30.1	16.4	.10	0	20	27	40	60	29,738	1.0	.129	.060
NSSE 2020 & 2021	30.4	16.4	.04	0	20	27	40	60	170,348	.7	.293	.041
Top 50%	31.6	16.3	.05	0	20	33	40	60	104,264	-.6	.373	-.035
Top 10%	34.8	15.8	.16	7	20	33	47	60	10,926	-3.8	.000	-.240
<b>Learning with Peers</b>												
<b>Collaborative Learning</b>												
Miami University (N = 767)	32.5	14.1	.51	10	25	30	40	60				
Great Lakes Public	31.7	15.2	.10	5	20	30	40	60	826	.8	.123	.053
Carnegie Class	31.4	15.6	.08	5	20	30	40	60	808	1.1	.037	.069
NSSE 2020 & 2021	30.6	15.9	.04	5	20	30	40	60	773	1.9	.000	.121
Top 50%	35.0	14.2	.04	10	25	35	45	60	109,752	-2.5	.000	-.179
Top 10%	38.8	13.4	.12	15	30	40	50	60	857	-6.3	.000	-.472
<b>Discussions with Diverse Others</b>												
Miami University (N = 640)	36.9	14.5	.57	15	25	40	45	60				
Great Lakes Public	38.5	15.7	.11	15	25	40	50	60	689	-1.6	.006	-.103
Carnegie Class	38.3	16.2	.10	10	25	40	50	60	675	-1.4	.016	-.087
NSSE 2020 & 2021	39.0	16.3	.04	10	25	40	55	60	646	-2.1	.000	-.128
Top 50%	41.2	15.6	.05	15	30	40	60	60	648	-4.3	.000	-.276
Top 10%	44.2	15.0	.12	20	35	45	60	60	16,809	-7.2	.000	-.483

#### Detailed Statistics: Seniors

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SE <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Experiences with Faculty</b>												
<b>Student-Faculty Interaction</b>												
Miami University (N = 695)	23.6	15.2	.58	0	10	20	35	55				
Great Lakes Public	22.8	15.7	.11	0	10	20	35	55	21,960	.9	.147	.056
Carnegie Class	22.6	16.1	.09	0	10	20	35	55	729	1.0	.084	.063
NSSE 2020 & 2021	23.0	16.0	.04	0	10	20	35	55	700	.7	.237	.043
Top 50%	28.5	16.0	.08	5	15	25	40	60	721	-4.9	.000	-.305
Top 10%	33.6	15.9	.23	10	20	35	45	60	919	-10.0	.000	-.630
<b>Effective Teaching Practices</b>												
Miami University (N = 680)	38.5	12.7	.49	20	32	40	48	60				
Great Lakes Public	38.5	13.9	.10	16	28	40	48	60	734	.0	.938	.003
Carnegie Class	38.5	14.3	.08	16	28	40	48	60	718	.0	1.000	.000
NSSE 2020 & 2021	39.2	14.2	.03	16	28	40	52	60	686	-.7	.141	-.051
Top 50%	41.5	13.9	.06	16	32	40	52	60	696	-3.0	.000	-.217
Top 10%	44.6	13.3	.15	20	36	44	56	60	816	-6.1	.000	-.456
<b>Campus Environment</b>												
<b>Quality of Interactions</b>												
Miami University (N = 602)	40.4	10.9	.44	20	34	42	48	58				
Great Lakes Public	42.0	12.0	.09	20	35	44	50	60	652	-1.6	.000	-.136
Carnegie Class	42.0	12.5	.08	18	34	44	50	60	638	-1.6	.000	-.128
NSSE 2020 & 2021	42.8	12.5	.03	20	36	44	52	60	608	-2.4	.000	-.193
Top 50%	45.2	11.9	.05	22	38	48	54	60	616	-4.8	.000	-.401
Top 10%	48.2	11.9	.10	25	42	50	60	60	667	-7.8	.000	-.657
<b>Supportive Environment</b>												
Miami University (N = 633)	30.2	12.7	.50	10	20	30	40	53				
Great Lakes Public	31.1	13.9	.10	8	20	30	40	58	683	-.9	.095	-.062
Carnegie Class	31.3	14.4	.09	8	20	30	40	60	669	-1.1	.031	-.077
NSSE 2020 & 2021	31.7	14.4	.04	8	20	33	40	60	638	-1.5	.004	-.102
Top 50%	34.1	14.2	.06	10	23	35	43	60	647	-3.9	.000	-.277
Top 10%	37.2	14.3	.16	13	28	38	48	60	757	-7.0	.000	-.493

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 SE) 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.