NSSE 2020
Engagement Indicators

Ferris State University

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
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

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 2019 and 2020 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. The Report Builder 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.M., & Gonyea, R.M. (2018). Contextualizing effect sizes in the National Survey of Student Engagement: An empirical analysis. *Research & Practice in Assessment,* *13* (Summer/Fall), pp. 22-38.

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 2019 & 2020
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 2019 & 2020
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	▽	▽	▽

NSSE 2020 Engagement Indicators

Academic Challenge
Ferris State University

## 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

| | Ferris State | Your first-year students compared with | | | | | |
| | | Great Lakes Public | | Carnegie Class | | NSSE 2019 & 2020 | |
Engagement Indicator	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	37.4	37.4	.00	38.8	-.11	38.1	-.05
Reflective & Integrative Learning	35.8	34.7	.09	35.8	.00	35.2	.05
Learning Strategies	36.9	37.4	-.04	39.9 *	-.22	38.3	-.10
Quantitative Reasoning	25.9	28.5	-.18	27.8	-.12	28.2	-.15

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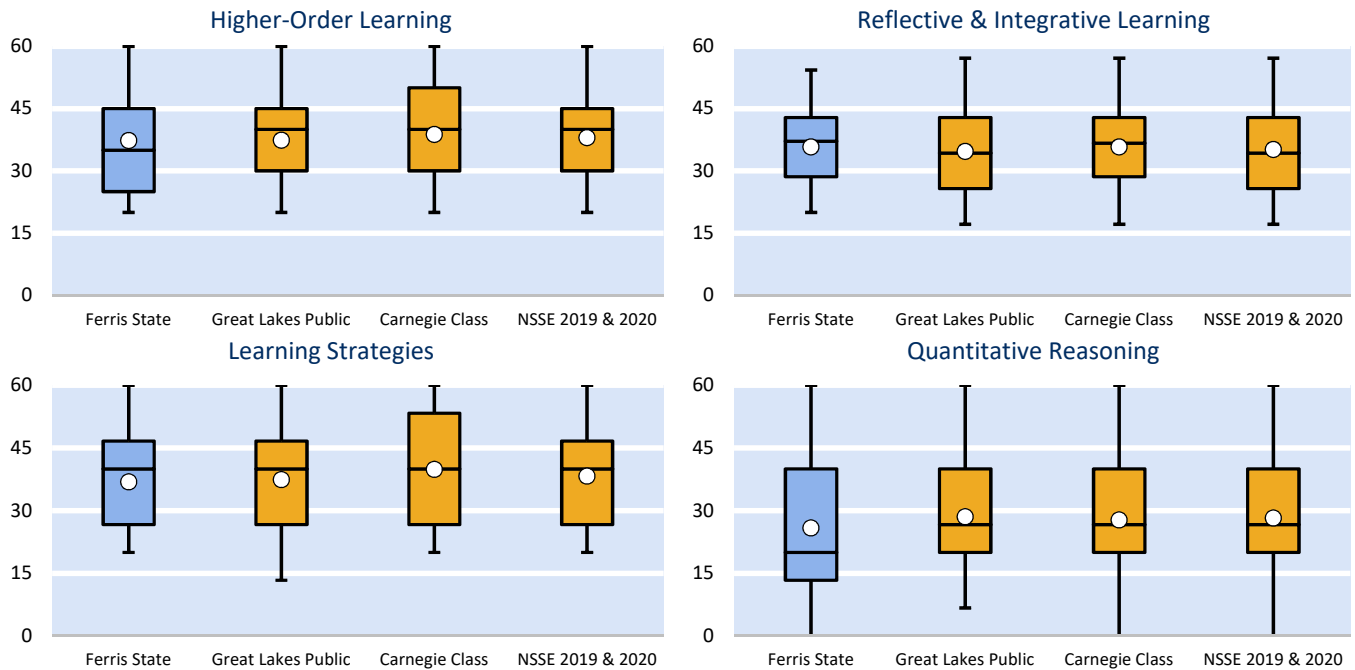
Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

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.

	Ferris State	Percentage point difference [a] between your FY students and		
		Great Lakes Public	Carnegie Class	NSSE 2019 & 2020
Higher-Order Learning	%			
Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...				
4b. Applying facts, theories, or methods to practical problems or new situations	69	-3	-2	-2
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	70	+1	-1	+0
4d. Evaluating a point of view, decision, or information source	65	-1	-8	-4
4e. Forming a new idea or understanding from various pieces of information	63	-4	-8	-6
Reflective & Integrative Learning				
Percentage of students who responded that they "Very often" or "Often"...				
2a. Combined ideas from different courses when completing assignments	59	+6	+8	+7
2b. Connected your learning to societal problems or issues	45	-5	-8	-6
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	48	-1	-5	-3
2d. Examined the strengths and weaknesses of your own views on a topic or issue	65	+4	-1	+2
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	67	-2	-6	-4
2f. Learned something that changed the way you understand an issue or concept	62	-4	-6	-5
2g. Connected ideas from your courses to your prior experiences and knowledge	81	+3	+3	+4
Learning Strategies				
Percentage of students who responded that they "Very often" or "Often"...				
9a. Identified key information from reading assignments	73	+1	-4	-1
9b. Reviewed your notes after class	62	-2	-8	-4
9c. Summarized what you learned in class or from course materials	58	-4	-10	-6
Quantitative Reasoning				
Percentage of students who responded that they "Very often" or "Often"...				
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	45	-9	-6	-8
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	34	-7	-7	-7
6c. Evaluated what others have concluded from numerical information	31	-10	-8	-10

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

| | Ferris State | Your seniors compared with | | | | | |
| | | Great Lakes Public | | Carnegie Class | | NSSE 2019 & 2020 | |
Engagement Indicator	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	37.4	38.9 *	-.11	41.3 ***	-.28	40.1 ***	-.20
Reflective & Integrative Learning	35.6	37.3 ***	-.14	38.9 ***	-.27	38.1 ***	-.20
Learning Strategies	35.2	36.7 *	-.10	40.5 ***	-.36	38.6 ***	-.23
Quantitative Reasoning	30.4	29.9	.03	29.6	.05	30.2	.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
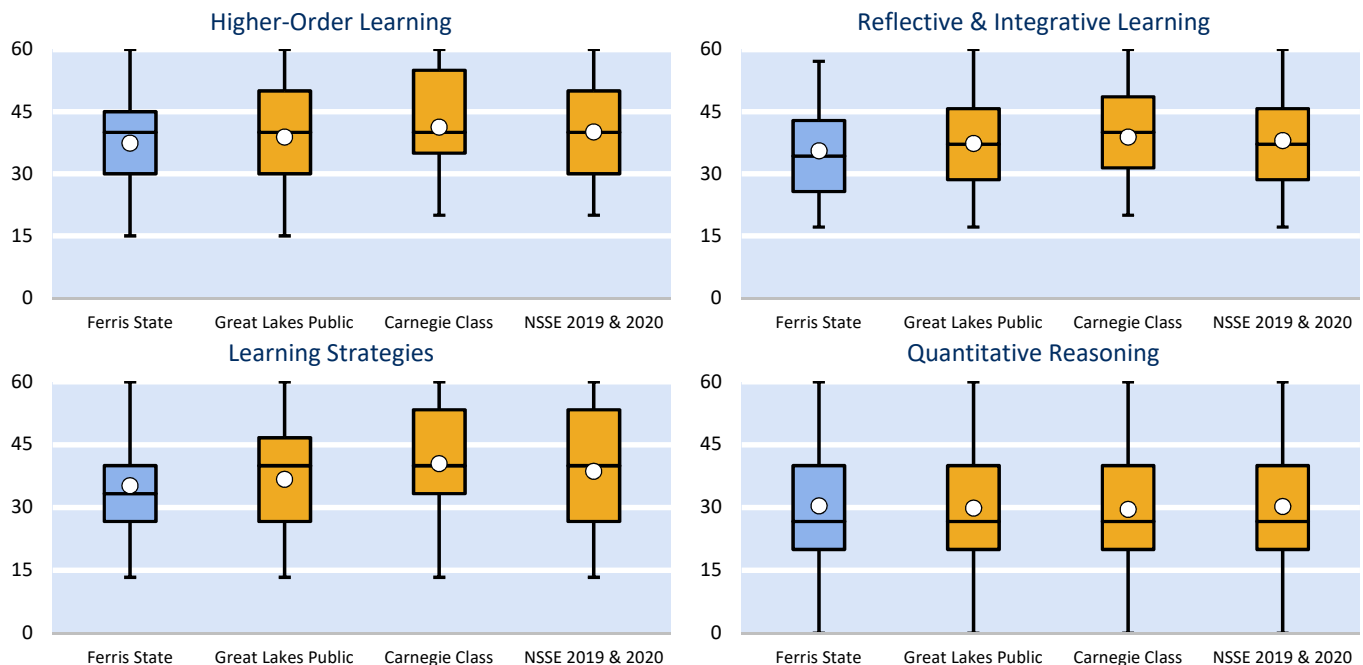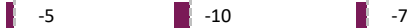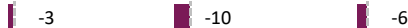
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Academic Challenge: Seniors (continued)

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.

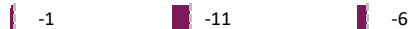|	Ferris State	Percentage point difference [a] between your seniors and		
Higher-Order Learning		Great Lakes Public	Carnegie Class	NSSE 2019 & 2020
Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...	%			
4b. Applying facts, theories, or methods to practical problems or new situations	73	-4	-6	-5
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	68	-5	-9	-7
4d. Evaluating a point of view, decision, or information source	67	+0	-9	-4
4e. Forming a new idea or understanding from various pieces of information	67	-2	-9	-6
Reflective & Integrative Learning				
Percentage of students who responded that they "Very often" or "Often"...				
2a. Combined ideas from different courses when completing assignments	69	-1	+3	+1
2b. Connected your learning to societal problems or issues	55	-4	-9	-6
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	48	-2	-9	-4
2d. Examined the strengths and weaknesses of your own views on a topic or issue	60	-5	-10	-7
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	66	-5	-9	-7
2f. Learned something that changed the way you understand an issue or concept	63	-8	-10	-9
2g. Connected ideas from your courses to your prior experiences and knowledge	82	-1	-3	-1
Learning Strategies				
Percentage of students who responded that they "Very often" or "Often"...				
9a. Identified key information from reading assignments	71	-3	-10	-6
9b. Reviewed your notes after class	59	+2	-7	-3
9c. Summarized what you learned in class or from course materials	59	-1	-11	-6
Quantitative Reasoning				
Percentage of students who responded that they "Very often" or "Often"...				
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	56	+1	+3	+0
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	50	+6	+4	+4
6c. Evaluated what others have concluded from numerical information	44	-1	+1	-2

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.

NSSE 2020 Engagement Indicators

Learning with Peers

Ferris State University

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

	Ferris State	Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
				Your first-year students compared with			
Engagement Indicator	*Mean*	*Mean*	*Effect size*	*Mean*	*Effect size*	*Mean*	*Effect size*
Collaborative Learning	33.7	33.0	.05	29.3 ***	.27	32.3	.10
Discussions with Diverse Others	39.3	39.5	-.01	39.3	.00	39.5	-.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

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Collaborative Learning	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020
		Percentage point difference [a] between your FY students and		
Percentage of students who responded that they "Very often" or "Often"...	%			
1e. Asked another student to help you understand course material	53	-1	+7	+1
1f. Explained course material to one or more students	62	+2	+12	+5
1g. Prepared for exams by discussing or working through course material with other students	51	+1	+6	+1
1h. Worked with other students on course projects or assignments	58	+3	+9	+4
Discussions with Diverse Others				
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	62	-7	-9	-8
8b. People from an economic background other than your own	74	+3	+3	+2
8c. People with religious beliefs other than your own	67	-1	+2	+1
8d. People with political views other than your own	74	+8	+9	+9

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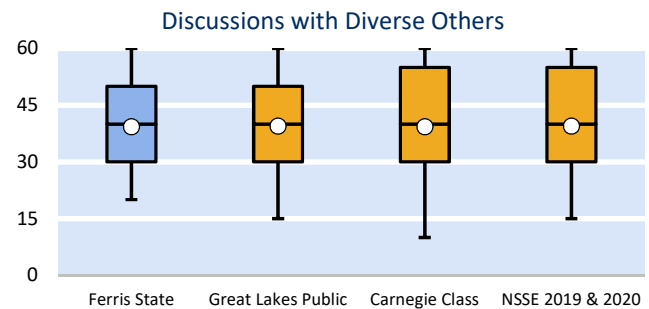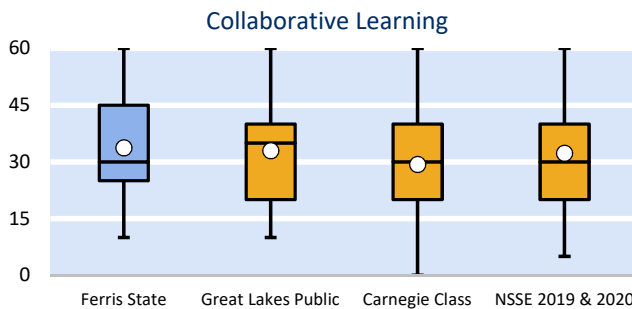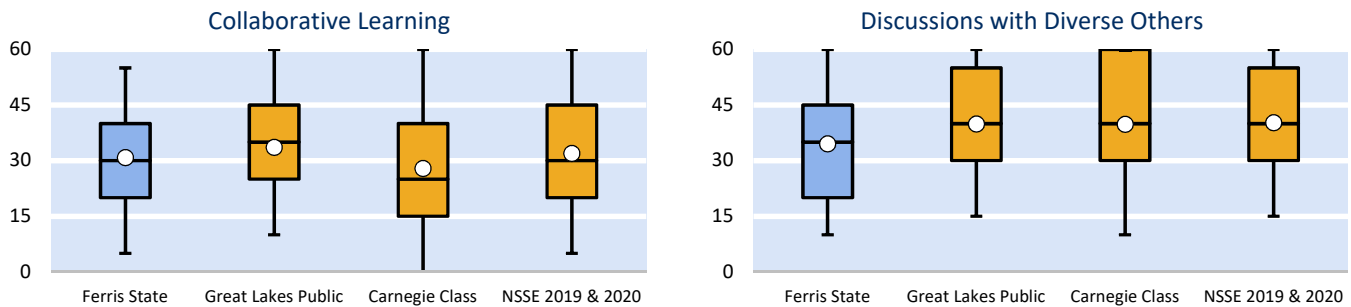
Learning with Peers: Seniors

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

| | Ferris State | Great Lakes Public | | Carnegie Class | | NSSE 2019 & 2020 | |
| | | *Your seniors compared with* | | | | | |
Engagement Indicator	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	30.8	33.6 ***	-.19	27.9 ***	.18	32.0	-.07
Discussions with Diverse Others	34.6	39.9 ***	-.35	39.8 ***	-.31	40.2 ***	-.35

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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		Great Lakes Public	Carnegie Class	NSSE 2019 & 2020
Collaborative Learning				
Percentage of students who responded that they "Very often" or "Often"...	%			
1e. Asked another student to help you understand course material	37	-10	+3	-6
1f. Explained course material to one or more students	53	-9	+6	-4
1g. Prepared for exams by discussing or working through course material with other students	43	-5	+5	-4
1h. Worked with other students on course projects or assignments	65	-1	+9	+2
Discussions with Diverse Others				
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	55	-14	-17	-17
8b. People from an economic background other than your own	61	-10	-11	-12
8c. People with religious beliefs other than your own	57	-13	-8	-11
8d. People with political views other than your own	56	-8	-10	-9

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NSSE 2020 Engagement Indicators

Experiences with Faculty
Ferris State University

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

| | Ferris State | Your first-year students compared with | | | | | |
| | | Great Lakes Public | | Carnegie Class | | NSSE 2019 & 2020 | |
Engagement Indicator	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Student-Faculty Interaction	24.1	21.0 *	.22	20.8 *	.23	21.4 *	.19
Effective Teaching Practices	38.8	37.6	.10	39.9	-.08	38.4	.03

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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| | Ferris State | Percentage point difference [a] between your FY students and | | |
		Great Lakes Public	Carnegie Class	NSSE 2019 & 2020
Student-Faculty Interaction	%			
Percentage of students who responded that they "Very often" or "Often"...				
3a. Talked about career plans with a faculty member	41	+3	+3	+3
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	27	+7	+7	+6
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	36	+11	+11	+9
3d. Discussed your academic performance with a faculty member	29	+2	-2	-2
Effective Teaching Practices				
Percentage responding "Very much" or "Quite a bit" about how much instructors have...				
5a. Clearly explained course goals and requirements	81	+5	+2	+4
5b. Taught course sessions in an organized way	76	+2	+0	+2
5c. Used examples or illustrations to explain difficult points	74	-1	-1	+0
5d. Provided feedback on a draft or work in progress	60	+0	-7	-3
5e. Provided prompt and detailed feedback on tests or completed assignments	63	+7	-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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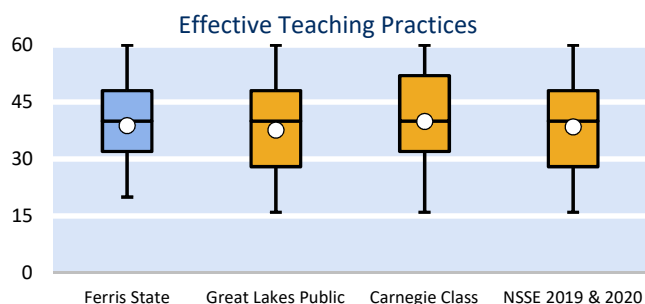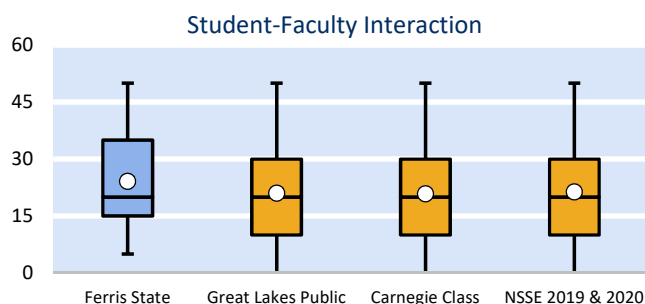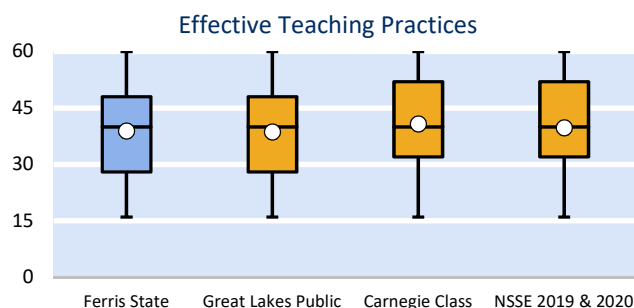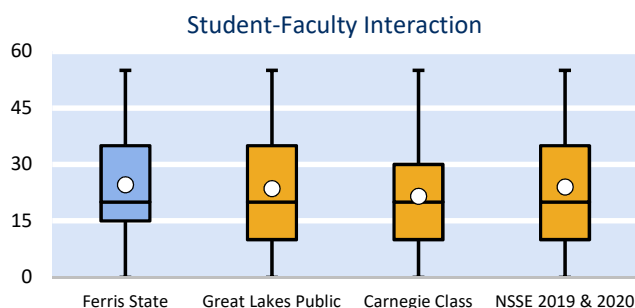
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Engagement Indicator	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Student-Faculty Interaction	24.6	23.6	.06	21.5 ***	.19	23.9	.04
Effective Teaching Practices	38.9	38.6	.02	40.7 **	-.13	39.7	-.06

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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.

	Ferris State	Percentage point difference [a] between your seniors and		
Student-Faculty Interaction		Great Lakes Public	Carnegie Class	NSSE 2019 & 2020
Percentage of students who responded that they "Very often" or "Often"...	%			
3a. Talked about career plans with a faculty member	51	+9	+11	+8
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	27	-1	+4	-1
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	34	+2	+7	+1
3d. Discussed your academic performance with a faculty member	36	+7	+6	+3
Effective Teaching Practices				
Percentage responding "Very much" or "Quite a bit" about how much instructors have...				
5a. Clearly explained course goals and requirements	76	-2	-5	-4
5b. Taught course sessions in an organized way	73	-3	-6	-4
5c. Used examples or illustrations to explain difficult points	75	-3	-1	-3
5d. Provided feedback on a draft or work in progress	65	+8	+1	+3
5e. Provided prompt and detailed feedback on tests or completed assignments	66	+7	-2	+2

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.

NSSE 2020 Engagement Indicators

Campus Environment
Ferris State University
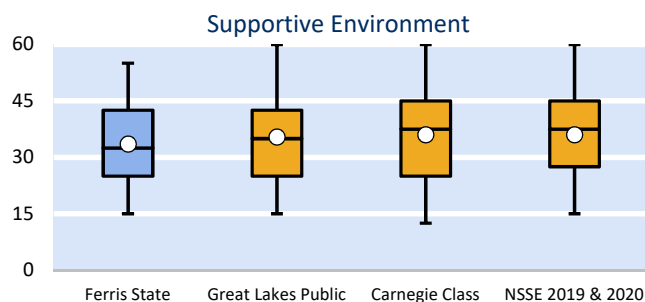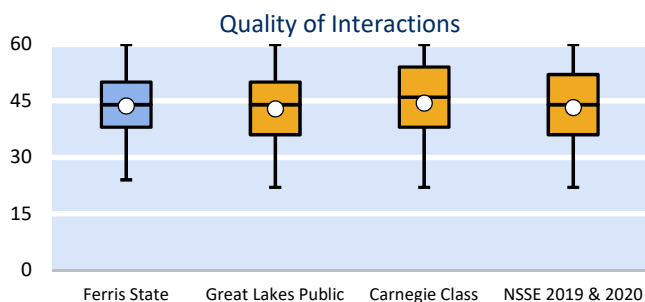
Campus Environment: First-year students

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

	Ferris State	Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
		Your first-year students compared with					
Engagement Indicator	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	43.7	42.9	.07	44.4	-.06	43.2	.04
Supportive Environment	33.5	35.4	-.15	36.0	-.18	36.0 *	-.18

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	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020
		Percentage point difference [a] between your FY students and		
Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...	%			
13a. Students	48	-3	-7	-4
13b. Academic advisors	54	-0	-5	-0
13c. Faculty	63	+13	+6	+11
13d. Student services staff (career services, student activities, housing, etc.)	43	-3	-8	-4
13e. Other administrative staff and offices (registrar, financial aid, etc.)	43	-2	-9	-4
Supportive Environment				
Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...				
14b. Providing support to help students succeed academically	76	+2	-0	+1
14c. Using learning support services (tutoring services, writing center, etc.)	71	-5	-7	-6
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	48	-11	-15	-13
14e. Providing opportunities to be involved socially	66	-5	-5	-5
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	65	-4	-3	-4
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	34	-5	-10	-8
14h. Attending campus activities and events (performing arts, athletic events, etc.)	59	-5	-1	-5
14i. Attending events that address important social, economic, or political issues	39	-5	-7	-8

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.

NSSE 2020 Engagement Indicators

Campus Environment
Ferris State University

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

	Ferris State	Your seniors compared with					
		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
Engagement Indicator	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	43.9	41.8 ***	.17	44.8	-.08	43.0	.07
Supportive Environment	28.3	31.6 ***	-.24	31.9 ***	-.25	32.2 ***	-.28

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).
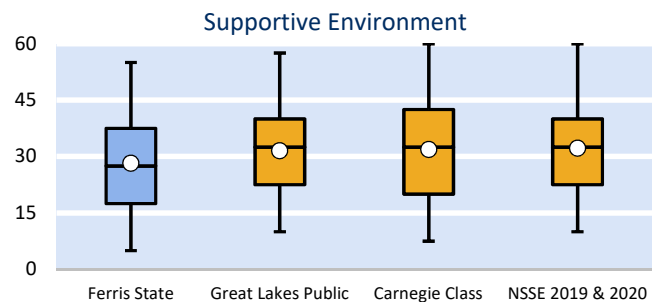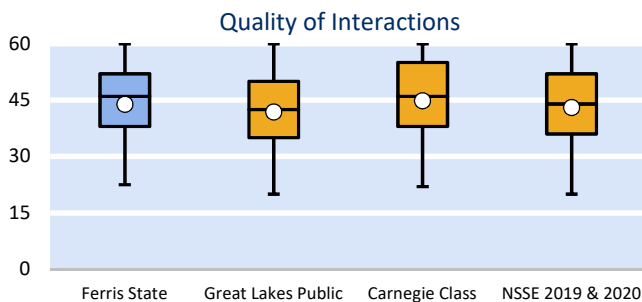
Score Distributions

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.

	Ferris State	Percentage point difference [a] between your seniors and		
		Great Lakes Public	Carnegie Class	NSSE 2019 & 2020
Quality of Interactions	%			
Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...				
13a. Students	58	+2	-3	-0
13b. Academic advisors	56	+8	-2	+3
13c. Faculty	58	+5	-6	+0
13d. Student services staff (career services, student activities, housing, etc.)	42	+1	-8	-2
13e. Other administrative staff and offices (registrar, financial aid, etc.)	47	+7	-5	+2
Supportive Environment				
Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...				
14b. Providing support to help students succeed academically	66	-1	-6	-4
14c. Using learning support services (tutoring services, writing center, etc.)	55	-8	-15	-11
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	48	-3	-10	-6
14e. Providing opportunities to be involved socially	54	-11	-7	-10
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	46	-13	-11	-13
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	28	+1	-7	-4
14h. Attending campus activities and events (performing arts, athletic events, etc.)	40	-14	-5	-12
14i. Attending events that address important social, economic, or political issues	34	-5	-4	-6

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**), 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 2019 and 2020 NSSE institutions, and
  (b) institutions with average scores placing them in the top 10% of all 2019 and 2020 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

| | | Ferris State | Your first-year students compared with | | | | | |
| | | | NSSE Top 50% | | | NSSE Top 10% | | |
Theme	Engagement Indicator	Mean	Mean	Effect size	✓	Mean	Effect size	✓
Academic Challenge	Higher-Order Learning	37.4	39.3	-.15		41.4 ***	-.31	
	Reflective and Integrative Learning	35.8	36.7	-.07	✓	39.0 **	-.27	
	Learning Strategies	36.9	39.9 *	-.22		42.3 ***	-.39	
	Quantitative Reasoning	25.9	29.4 *	-.23		31.4 ***	-.36	
Learning with Peers	Collaborative Learning	33.7	35.2	-.11		37.4 **	-.27	
	Discussions with Diverse Others	39.3	41.5	-.14		43.6 **	-.30	
Experiences with Faculty	Student-Faculty Interaction	24.1	24.5	-.02	✓	28.1 **	-.26	
	Effective Teaching Practices	38.8	40.5	-.13		42.3 **	-.24	
Campus Environment	Quality of Interactions	43.7	45.2	-.13		47.2 ***	-.30	
	Supportive Environment	33.5	37.9 ***	-.33		40.0 ***	-.51	

Seniors

| | | Ferris State | Your seniors compared with | | | | | |
| | | | NSSE Top 50% | | | NSSE Top 10% | | |
Theme	Engagement Indicator	Mean	Mean	Effect size	✓	Mean	Effect size	✓
Academic Challenge	Higher-Order Learning	37.4	41.7 ***	-.32		43.2 ***	-.43	
	Reflective and Integrative Learning	35.6	39.8 ***	-.35		41.8 ***	-.51	
	Learning Strategies	35.2	40.7 ***	-.38		42.7 ***	-.52	
	Quantitative Reasoning	30.4	31.4	-.06	✓	33.4 ***	-.19	
Learning with Peers	Collaborative Learning	30.8	35.9 ***	-.36		38.4 ***	-.55	
	Discussions with Diverse Others	34.6	42.1 ***	-.48		43.8 ***	-.60	
Experiences with Faculty	Student-Faculty Interaction	24.6	29.7 ***	-.32		33.2 ***	-.54	
	Effective Teaching Practices	38.9	41.8 ***	-.21		43.7 ***	-.36	
Campus Environment	Quality of Interactions	43.9	45.2 *	-.12		47.4 ***	-.29	
	Supportive Environment	28.3	34.6 ***	-.45		36.8 ***	-.60	

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 2019 and 2020 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.

NSSE 2020 Engagement Indicators

Detailed Statistics[a]
Ferris State University

Detailed Statistics: First-Year Students

	Mean statistics			Percentile[d] scores					Comparison results			
	Mean	SD[b]	SE[c]	5th	25th	50th	75th	95th	Deg. of freedom[e]	Mean diff.	Sig.[f]	Effect size[g]
Academic Challenge												
Higher-Order Learning												
Ferris State (N = 124)	37.4	12.7	1.14	20	25	35	45	60				
Great Lakes Public	37.4	12.8	.09	20	30	40	45	60	19,799	-.1	.956	-.005
Carnegie Class	38.8	13.5	.10	20	30	40	50	60	19,845	-1.5	.229	-.108
NSSE 2019 & 2020	38.1	13.2	.03	20	30	40	45	60	172,156	-.7	.555	-.053
Top 50%	39.3	13.1	.04	20	30	40	50	60	97,550	-2.0	.093	-.151
Top 10%	41.4	12.8	.09	20	35	40	50	60	18,795	-4.0	.000	-.315
Reflective & Integrative Learning												
Ferris State (N = 126)	35.8	11.2	1.00	20	29	37	43	54				
Great Lakes Public	34.7	11.8	.08	17	26	34	43	57	21,442	1.1	.303	.092
Carnegie Class	35.8	12.2	.08	17	29	37	43	57	21,413	.0	.990	-.001
NSSE 2019 & 2020	35.2	12.0	.03	17	26	34	43	57	186,313	.6	.545	.054
Top 50%	36.7	11.8	.04	17	29	37	46	57	95,130	-.9	.403	-.075
Top 10%	39.0	11.7	.10	20	31	40	49	60	15,063	-3.2	.003	-.269
Learning Strategies												
Ferris State (N = 118)	36.9	13.6	1.25	20	27	40	47	60				
Great Lakes Public	37.4	13.7	.10	13	27	40	47	60	18,725	-.5	.669	-.039
Carnegie Class	39.9	14.0	.10	20	27	40	53	60	18,949	-3.0	.018	-.217
NSSE 2019 & 2020	38.3	13.8	.03	20	27	40	47	60	162,739	-1.4	.268	-.102
Top 50%	39.9	13.7	.05	20	33	40	53	60	82,692	-3.0	.016	-.221
Top 10%	42.3	14.1	.10	20	33	40	53	60	18,310	-5.4	.000	-.385
Quantitative Reasoning												
Ferris State (N = 121)	25.9	16.7	1.52	0	13	20	40	60				
Great Lakes Public	28.5	14.9	.11	7	20	27	40	60	121	-2.6	.087	-.177
Carnegie Class	27.8	15.7	.11	0	20	27	40	60	19,189	-1.9	.179	-.122
NSSE 2019 & 2020	28.2	15.3	.04	0	20	27	40	60	165,493	-2.3	.093	-.153
Top 50%	29.4	15.2	.05	7	20	27	40	60	107,515	-3.6	.010	-.234
Top 10%	31.4	15.3	.10	7	20	33	40	60	22,776	-5.5	.000	-.360
Learning with Peers												
Collaborative Learning												
Ferris State (N = 135)	33.7	14.3	1.23	10	25	30	45	60				
Great Lakes Public	33.0	14.0	.09	10	20	35	40	60	22,973	.7	.545	.052
Carnegie Class	29.3	16.3	.11	0	20	30	40	60	136	4.4	.001	.270
NSSE 2019 & 2020	32.3	14.7	.03	5	20	30	40	60	200,668	1.5	.248	.099
Top 50%	35.2	13.7	.04	15	25	35	45	60	123,840	-1.5	.216	-.106
Top 10%	37.4	13.5	.08	15	30	40	45	60	26,065	-3.7	.002	-.272
Discussions with Diverse Others												
Ferris State (N = 120)	39.3	13.5	1.23	20	30	40	50	60				
Great Lakes Public	39.5	14.9	.11	15	30	40	50	60	18,854	-.2	.897	-.012
Carnegie Class	39.3	16.3	.12	10	30	40	55	60	121	.0	.985	-.001
NSSE 2019 & 2020	39.5	15.6	.04	15	30	40	55	60	119	-.2	.874	-.013
Top 50%	41.5	15.0	.05	20	30	40	55	60	110,103	-2.1	.118	-.143
Top 10%	43.6	14.5	.10	20	35	45	60	60	22,889	-4.3	.001	-.297

Detailed Statistics: First-Year Students

	Mean statistics			Percentile[d] scores					Comparison results			
	Mean	SD[b]	SE[c]	5th	25th	50th	75th	95th	Deg. of freedom[e]	Mean diff.	Sig.[f]	Effect size[g]
Experiences with Faculty												
Student-Faculty Interaction												
Ferris State (N = 125)	24.1	14.4	1.29	5	15	20	35	50				
Great Lakes Public	21.0	14.2	.10	0	10	20	30	50	20,493	3.2	.013	.223
Carnegie Class	20.8	14.7	.10	0	10	20	30	50	20,569	3.4	.011	.229
NSSE 2019 & 2020	21.4	14.6	.03	0	10	20	30	50	178,289	2.8	.034	.190
Top 50%	24.5	14.7	.06	5	15	20	35	55	62,905	-.3	.802	-.023
Top 10%	28.1	15.5	.17	5	15	25	40	60	8,440	-4.0	.004	-.257
Effective Teaching Practices												
Ferris State (N = 122)	38.8	11.9	1.08	20	32	40	48	60				
Great Lakes Public	37.6	12.7	.09	16	28	40	48	60	19,699	1.2	.286	.097
Carnegie Class	39.9	13.8	.10	16	32	40	52	60	19,848	-1.1	.387	-.079
NSSE 2019 & 2020	38.4	13.2	.03	16	28	40	48	60	171,505	.4	.753	.029
Top 50%	40.5	13.2	.05	20	32	40	52	60	71,304	-1.7	.153	-.130
Top 10%	42.3	14.1	.10	16	32	44	56	60	123	-3.5	.002	-.244
Campus Environment												
Quality of Interactions												
Ferris State (N = 112)	43.7	10.2	.97	24	38	44	50	60				
Great Lakes Public	42.9	11.3	.09	22	36	44	50	60	17,533	.8	.469	.069
Carnegie Class	44.4	12.2	.09	22	38	46	54	60	113	-.8	.441	-.062
NSSE 2019 & 2020	43.2	11.8	.03	22	36	44	52	60	112	.4	.651	.037
Top 50%	45.2	11.2	.04	24	38	46	54	60	66,641	-1.5	.154	-.135
Top 10%	47.2	11.6	.09	25	40	50	58	60	113	-3.5	.000	-.304
Supportive Environment												
Ferris State (N = 116)	33.5	12.4	1.15	15	25	33	43	55				
Great Lakes Public	35.4	13.0	.10	15	25	35	43	60	18,178	-1.9	.114	-.147
Carnegie Class	36.0	14.0	.10	13	25	38	45	60	18,313	-2.5	.053	-.180
NSSE 2019 & 2020	36.0	13.5	.03	15	28	38	45	60	157,479	-2.5	.047	-.184
Top 50%	37.9	13.1	.05	18	30	38	48	60	80,525	-4.4	.000	-.333
Top 10%	40.0	12.9	.11	18	33	40	50	60	14,299	-6.5	.000	-.505

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.

NSSE 2020 Engagement Indicators

Detailed Statistics[a]

Ferris State University

Detailed Statistics: Seniors

	Mean statistics			Percentile[d] scores					Comparison results			
	Mean	SD[b]	SE[c]	5th	25th	50th	75th	95th	Deg. of freedom[e]	Mean diff.	Sig.[f]	Effect size[g]
Academic Challenge												
Higher-Order Learning												
Ferris State (N = 550)	37.4	13.7	.58	15	30	40	45	60				
Great Lakes Public	38.9	13.5	.09	15	30	40	50	60	22,112	-1.5	.012	-.108
Carnegie Class	41.3	13.5	.09	20	35	40	55	60	25,530	-3.8	.000	-.285
NSSE 2019 & 2020	40.1	13.5	.03	20	30	40	50	60	188,617	-2.7	.000	-.198
Top 50%	41.7	13.4	.05	20	35	40	55	60	83,695	-4.3	.000	-.319
Top 10%	43.2	13.3	.09	20	35	40	55	60	20,766	-5.7	.000	-.432
Reflective & Integrative Learning												
Ferris State (N = 571)	35.6	12.3	.51	17	26	34	43	57				
Great Lakes Public	37.3	12.3	.08	17	29	37	46	60	23,458	-1.8	.001	-.145
Carnegie Class	38.9	12.4	.08	20	31	40	49	60	26,832	-3.3	.000	-.269
NSSE 2019 & 2020	38.1	12.5	.03	17	29	37	46	60	199,949	-2.5	.000	-.201
Top 50%	39.8	12.2	.04	20	31	40	49	60	83,131	-4.2	.000	-.349
Top 10%	41.8	12.0	.10	20	34	40	51	60	13,885	-6.2	.000	-.515
Learning Strategies												
Ferris State (N = 530)	35.2	13.8	.60	13	27	33	40	60				
Great Lakes Public	36.7	14.5	.10	13	27	40	47	60	560	-1.5	.014	-.104
Carnegie Class	40.5	14.7	.09	13	33	40	53	60	556	-5.3	.000	-.359
NSSE 2019 & 2020	38.6	14.6	.03	13	27	40	53	60	533	-3.4	.000	-.233
Top 50%	40.7	14.5	.05	20	33	40	53	60	92,654	-5.4	.000	-.377
Top 10%	42.7	14.4	.08	20	33	40	60	60	550	-7.4	.000	-.516
Quantitative Reasoning												
Ferris State (N = 537)	30.4	15.8	.68	0	20	27	40	60				
Great Lakes Public	29.9	15.9	.11	0	20	27	40	60	21,378	.5	.443	.034
Carnegie Class	29.6	16.3	.10	0	20	27	40	60	24,901	.8	.254	.050
NSSE 2019 & 2020	30.2	16.2	.04	0	20	27	40	60	182,886	.1	.842	.009
Top 50%	31.4	16.1	.05	0	20	33	40	60	117,807	-1.0	.136	-.064
Top 10%	33.4	15.9	.10	7	20	33	40	60	23,591	-3.0	.000	-.188
Learning with Peers												
Collaborative Learning												
Ferris State (N = 590)	30.8	14.8	.61	5	20	30	40	55				
Great Lakes Public	33.6	14.6	.09	10	25	35	45	60	24,645	-2.8	.000	-.191
Carnegie Class	27.9	16.5	.10	0	15	25	40	60	621	3.0	.000	.180
NSSE 2019 & 2020	32.0	15.6	.03	5	20	30	45	60	592	-1.2	.057	-.075
Top 50%	35.9	14.0	.04	15	25	35	45	60	109,893	-5.1	.000	-.364
Top 10%	38.4	13.6	.10	15	30	40	50	60	620	-7.5	.000	-.554
Discussions with Diverse Others												
Ferris State (N = 538)	34.6	15.7	.68	10	20	35	45	60				
Great Lakes Public	39.9	15.3	.11	15	30	40	55	60	21,166	-5.4	.000	-.350
Carnegie Class	39.8	16.7	.11	10	30	40	60	60	24,700	-5.2	.000	-.313
NSSE 2019 & 2020	40.2	15.9	.04	15	30	40	55	60	181,393	-5.6	.000	-.354
Top 50%	42.1	15.5	.05	15	30	40	60	60	117,645	-7.5	.000	-.481
Top 10%	43.8	15.3	.09	20	35	45	60	60	29,934	-9.2	.000	-.601

Detailed Statistics: Seniors

	Mean statistics			Percentile[d] scores					Comparison results			
	Mean	SD[b]	SE[c]	5th	25th	50th	75th	95th	Deg. of freedom[e]	Mean diff.	Sig.[f]	Effect size[g]
Experiences with Faculty												
Student-Faculty Interaction												
Ferris State (N = 560)	24.6	15.7	.66	0	15	20	35	55				
Great Lakes Public	23.6	15.7	.11	0	10	20	35	55	22,680	1.0	.131	.065
Carnegie Class	21.5	16.1	.10	0	10	20	30	55	26,089	3.1	.000	.192
NSSE 2019 & 2020	23.9	16.1	.04	0	10	20	35	55	193,652	.7	.336	.041
Top 50%	29.7	15.9	.08	5	20	30	40	60	44,298	-5.1	.000	-.320
Top 10%	33.2	16.0	.18	10	20	35	45	60	8,079	-8.7	.000	-.542
Effective Teaching Practices												
Ferris State (N = 552)	38.9	13.6	.58	16	28	40	48	60				
Great Lakes Public	38.6	13.4	.09	16	28	40	48	60	22,057	.3	.610	.022
Carnegie Class	40.7	14.1	.09	16	32	40	52	60	25,557	-1.8	.002	-.130
NSSE 2019 & 2020	39.7	13.8	.03	16	32	40	52	60	188,400	-.9	.135	-.064
Top 50%	41.8	13.7	.05	20	32	40	52	60	71,500	-2.9	.000	-.214
Top 10%	43.7	13.4	.11	20	36	44	56	60	16,124	-4.9	.000	-.362
Campus Environment												
Quality of Interactions												
Ferris State (N = 469)	43.9	11.3	.52	23	38	46	52	60				
Great Lakes Public	41.8	11.7	.09	20	35	43	50	60	19,528	2.0	.000	.174
Carnegie Class	44.8	12.3	.08	22	38	46	55	60	492	-.9	.079	-.076
NSSE 2019 & 2020	43.0	12.1	.03	20	36	44	52	60	471	.8	.113	.069
Top 50%	45.2	11.7	.04	24	38	48	54	60	74,875	-1.4	.012	-.117
Top 10%	47.4	12.0	.08	24	40	50	58	60	24,417	-3.5	.000	-.292
Supportive Environment												
Ferris State (N = 522)	28.3	14.2	.62	5	18	28	38	55				
Great Lakes Public	31.6	13.6	.10	10	23	33	40	58	20,573	-3.3	.000	-.244
Carnegie Class	31.9	14.7	.10	8	20	33	43	60	24,008	-3.6	.000	-.248
NSSE 2019 & 2020	32.2	14.2	.03	10	23	33	40	60	176,340	-3.9	.000	-.278
Top 50%	34.6	14.0	.05	13	25	35	45	60	78,539	-6.3	.000	-.452
Top 10%	36.8	14.1	.12	13	28	38	48	60	14,488	-8.5	.000	-.605

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.