
Northern Michigan University

NSSE 2013 Major Field Report, Part II

Comparisons to Other Institutions

Bio, Agric, & Nat Res

*Comparing your students majoring in the fields shown below to those
in the same fields at your comparison group institutions*

The Major Field Report category 'Bio, Agric, & Nat Res' includes the following majors: Biology (general); Agriculture; Biochemistry or biophysics; Biomedical science; Botany; Cell and molecular biology; Environmental science/studies; Marine science; Microbiology or bacteriology; Natural resources and conservation; Natural science; Neuroscience; Physiology and developmental biology; Zoology; Other agriculture and natural resources; Other biological sciences.

Note:

The Major Field Report was formatted for printing. When viewing on screen in Excel, some content may appear truncated or oddly formatted. This is normal. Increasing the zoom level or viewing the report in Print Preview will improve on-screen display.

About Your Major Field Report, Part II

NSSE data serve to identify institutional strengths and weaknesses in reference to selected comparison institutions, yet institution-level comparisons may not capture important variation in student engagement that can be found within key subpopulations such as major. This report displays selected results for students at your institution and at your selected comparison institutions in the major category: Bio, Agric, & Nat Res.

NSSE results included in MFR, Part II

- Engagement Indicators
- High-Impact Practices
- Frequencies and Statistical Comparisons
- Respondent Profile

Majors

Self-reported majors (first major given, if two were reported) were identified from the survey. Your institution had the option to customize how these were grouped, using up to ten related-major categories. Institutions choosing not to customize their major categories receive NSSE's ten major field categories. The majors used in this report are listed on the cover page of this report.

Sample

This report is based on information from all randomly selected or census-administered students in the indicated group of majors for both your institution and your comparison institutions. Targeted and locally administered oversamples and other non-randomly selected students are not included.

Class

Results are presented separately by institution-reported class level. First-year students' majors may include undeclared but intended majors and much of the first-year experience may take place outside of the major field. As a result, first-year results should be interpreted with caution.

Technical Requirements

Major categories with fewer than 20 respondents in a given class are not reported (columns are blank). Comparison groups must also contain at least 20 respondents in the major category, or they remain blank. Although 20 is a minimum requirement, keep in mind that any statistical result requires a sufficient number of respondents per category to produce a reliable estimate. Due to the disaggregation of results by student-reported major, the Major Field Report results are unweighted.

Report Sections

Engagement Indicators (pp. 3-6)	Results on NSSE's ten Engagement Indicators (EIs) organized into four themes adapted from the former Benchmarks of Effective Educational Practice. See your <i>Engagement Indicators</i> report for more details.
High-Impact Practices (p. 7)	Results on student participation in six High-Impact Practices (HIPs). See your <i>High-Impact Practices</i> report for more details.
Frequencies and Statistical Comparisons (pp. 8-41)	Response frequencies and statistical comparisons (including tests of significance and effect sizes) for all survey items except the demographics for your institution and your three core comparison groups.
Respondent Profile (pp. 42-48)	Response frequencies for all demographic questions for your institution and your three core comparison groups.

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Engagement Indicators: Bio, Agric, & Nat Res

Northern Michigan University

First-year students^a in Bio, Agric, & Nat Res

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Academic Challenge												
Higher-Order Learning												
NMU (N = 33)	41.4	14.2	2.46	15	30	40	55	60				
Great Lakes Public	39.4	13.3	.40	20	30	40	50	60	1,155	1.9		.144
Carnegie Class	40.2	13.4	.44	20	30	40	50	60	976	1.1		.085
NSSE 2013	40.7	13.5	.13	20	30	40	50	60	11,512	.7		.049
Reflective & Integrative Learning												
NMU (N = 34)	39.2	11.4	1.95	20	31	40	46	60				
Great Lakes Public	34.4	12.0	.35	17	26	34	43	57	1,176	4.8	*	.401
Carnegie Class	35.9	12.3	.40	17	29	34	43	57	995	3.4		.274
NSSE 2013	35.9	12.3	.11	17	29	34	43	57	11,746	3.3		.272
Learning Strategies												
NMU (N = 34)	42.0	13.6	2.33	20	33	43	53	60				
Great Lakes Public	41.2	14.0	.42	20	33	40	53	60	1,160	.7		.052
Carnegie Class	41.7	13.3	.43	20	33	40	53	60	984	.3		.019
NSSE 2013	41.7	13.6	.13	20	33	40	53	60	11,587	.3		.020
Quantitative Reasoning												
NMU (N = 34)	31.4	17.6	3.01	7	20	27	47	60				
Great Lakes Public	29.9	15.7	.46	0	20	27	40	60	1,173	1.5		.094
Carnegie Class	29.6	15.8	.51	0	20	27	40	60	992	1.7		.109
NSSE 2013	30.1	15.7	.14	0	20	27	40	60	11,718	1.3		.082
Learning with Peers												
Collaborative Learning												
NMU (N = 33)	34.2	14.1	2.45	15	20	35	45	60				
Great Lakes Public	34.7	13.7	.41	15	25	35	45	60	1,162	-.4		-.031
Carnegie Class	35.3	13.6	.44	15	25	35	45	60	985	-1.0		-.077
NSSE 2013	35.4	13.7	.13	15	25	35	45	60	11,594	-1.1		-.081
Discussions with Diverse Others												
NMU (N = 34)	40.4	17.3	2.97	15	20	40	60	60				
Great Lakes Public	42.0	15.4	.45	20	30	40	60	60	1,181	-1.5		-.099
Carnegie Class	41.0	15.1	.49	15	30	40	55	60	991	-.6		-.038
NSSE 2013	41.9	15.4	.14	15	30	40	60	60	11,696	-1.5		-.096

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Engagement Indicators: Bio, Agric, & Nat Res

Northern Michigan University

First-year students^a in Bio, Agric, & Nat Res

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Experiences with Faculty												
Student-Faculty Interaction												
NMU (N = 34)	21.3	13.8	2.37	0	15	20	25	55				
Great Lakes Public	19.9	14.2	.42	0	10	15	30	50	1,169	1.4		.097
Carnegie Class	22.2	14.1	.46	0	10	20	30	50	984	-.9		-.063
NSSE 2013	21.5	14.3	.13	0	10	20	30	50	11,621	-.2		-.011
Effective Teaching Practices												
NMU (N = 33)	43.2	10.6	1.85	24	36	44	52	60				
Great Lakes Public	39.9	12.8	.38	20	32	40	48	60	1,179	3.3		.257
Carnegie Class	40.6	12.9	.41	20	32	40	52	60	999	2.5		.198
NSSE 2013	40.9	12.7	.12	20	32	40	52	60	11,780	2.3		.178
Campus Environment												
Quality of Interactions												
NMU (N = 33)	42.5	11.8	2.06	23	35	44	50	60				
Great Lakes Public	41.1	12.1	.37	20	34	42	50	60	1,117	1.3		.110
Carnegie Class	42.6	12.1	.39	20	36	44	52	60	980	-.1		-.012
NSSE 2013	42.3	12.0	.11	20	36	44	50	60	11,400	.2		.017
Supportive Environment												
NMU (N = 34)	41.3	13.7	2.35	20	33	43	53	60				
Great Lakes Public	37.8	14.0	.41	15	28	38	48	60	1,167	3.5		.249
Carnegie Class	38.5	13.5	.44	17	30	40	48	60	992	2.8		.206
NSSE 2013	39.0	13.3	.12	15	30	40	50	60	11,685	2.2		.166

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Engagement Indicators: Bio, Agric, & Nat Res

Northern Michigan University

Seniors^a in

Bio, Agric, & Nat Res

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Academic Challenge												
Higher-Order Learning												
NMU (N = 39)	38.6	14.9	2.39	5	30	40	50	60				
Great Lakes Public	38.4	14.5	.41	15	30	40	50	60	1,307	.2		.016
Carnegie Class	40.7	14.2	.44	15	30	40	55	60	1,068	-2.2		-.151
NSSE 2013	40.2	14.2	.12	15	30	40	50	60	13,775	-1.6		-.112
Reflective & Integrative Learning												
NMU (N = 41)	36.8	11.2	1.75	20	29	37	43	57				
Great Lakes Public	36.3	12.3	.34	17	29	37	43	60	1,333	.5		.042
Carnegie Class	37.8	12.5	.38	17	29	37	46	60	1,100	-1.0		-.082
NSSE 2013	37.3	12.4	.10	17	29	37	46	60	14,079	-.5		-.039
Learning Strategies												
NMU (N = 39)	38.1	13.5	2.16	13	27	40	47	60				
Great Lakes Public	40.6	14.4	.40	20	27	40	53	60	1,319	-2.5		-.172
Carnegie Class	42.0	14.3	.44	20	33	40	53	60	1,084	-3.8		-.270
NSSE 2013	41.5	14.2	.12	20	33	40	53	60	13,882	-3.4		-.236
Quantitative Reasoning												
NMU (N = 40)	33.2	15.9	2.52	7	20	33	47	60				
Great Lakes Public	32.9	16.0	.44	7	20	33	40	60	1,334	.3		.019
Carnegie Class	35.8	15.0	.46	13	27	33	47	60	1,094	-2.6		-.175
NSSE 2013	34.3	15.9	.13	7	20	33	47	60	14,031	-1.1		-.072
Learning with Peers												
Collaborative Learning												
NMU (N = 40)	33.5	12.2	1.92	15	23	33	43	53				
Great Lakes Public	33.5	13.7	.38	15	25	30	40	60	1,322	.0		.003
Carnegie Class	37.1	13.0	.40	15	30	35	45	60	1,075	-3.6		-.279
NSSE 2013	35.0	13.8	.12	15	25	35	45	60	13,842	-1.5		-.112
Discussions with Diverse Others												
NMU (N = 41)	34.1	13.0	2.04	20	25	35	40	60				
Great Lakes Public	40.2	15.5	.43	15	30	40	55	60	1,329	-6.0	*	-.388
Carnegie Class	41.1	15.7	.49	15	30	40	55	60	1,085	-6.9	**	-.443
NSSE 2013	41.4	15.6	.13	15	30	40	60	60	13,988	-7.2	**	-.466

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Engagement Indicators: Bio, Agric, & Nat Res

Northern Michigan University

Seniors^a in

Bio, Agric, & Nat Res

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Experiences with Faculty												
Student-Faculty Interaction												
NMU (N = 40)	23.5	14.2	2.24	0	15	20	35	53				
Great Lakes Public	24.9	16.1	.45	0	15	25	35	60	1,316	-1.4		-.087
Carnegie Class	29.1	15.9	.49	5	20	25	40	60	1,091	-5.6	*	-.353
NSSE 2013	27.0	16.4	.14	0	15	25	40	60	13,963	-3.5		-.213
Effective Teaching Practices												
NMU (N = 39)	39.5	13.2	2.11	4	32	40	44	60				
Great Lakes Public	39.7	13.4	.37	20	32	40	48	60	1,335	-.2		-.013
Carnegie Class	41.5	12.9	.40	20	32	40	52	60	1,093	-1.9		-.150
NSSE 2013	40.9	13.0	.11	20	32	40	52	60	14,104	-1.4		-.110
Campus Environment												
Quality of Interactions												
NMU (N = 40)	39.6	10.6	1.67	17	36	41	48	51				
Great Lakes Public	40.7	11.4	.32	20	34	42	50	60	1,296	-1.2		-.101
Carnegie Class	43.2	10.9	.34	22	38	44	50	60	1,082	-3.6	*	-.333
NSSE 2013	42.1	11.4	.10	20	36	44	50	60	13,757	-2.5		-.222
Supportive Environment												
NMU (N = 41)	30.5	10.8	1.69	13	25	33	38	48				
Great Lakes Public	32.2	13.6	.38	10	23	33	40	58	44	-1.7		-.125
Carnegie Class	34.1	13.6	.42	13	25	35	43	60	45	-3.6	*	-.263
NSSE 2013	34.3	13.6	.12	13	25	35	43	60	40	-3.8	*	-.281

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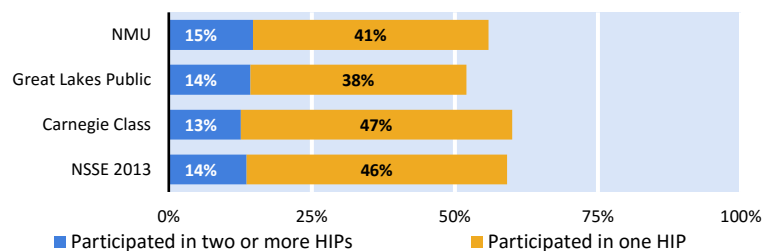
High-Impact Practices: Bio, Agric, & Nat Res

Northern Michigan University

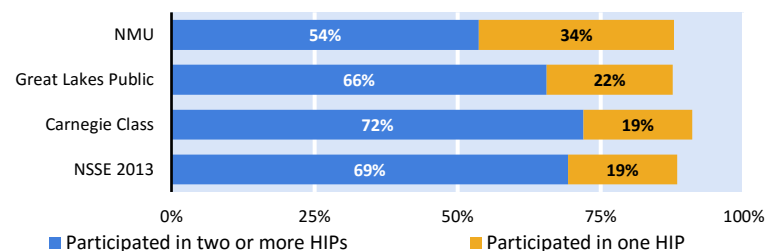
Overall HIP Participation^a

The figures below display the percentage of students who participated in high-impact practices. Both figures include participation in learning communities, service-learning, and research with faculty. The senior figure also includes participation in internships or field experiences, study abroad, and culminating senior experiences. The first segment in each bar shows the percentage of students who participated in at least two HIPs, and the full bar (both colors) represents the percentage who participated in at least one.

First-Year Students in Bio, Agric, & Nat Res



Seniors in Bio, Agric, & Nat Res



Statistical Comparisons^a

The table below compares the percentage of your students who participated^b in a high-impact practice, as well as the percentage who participated overall (at least one, two or more), with those at institutions in your comparison groups.

	NMU		Great Lakes Public		Carnegie Class		NSSE 2013	
	%		% ⁱ	Effect size ^j	% ⁱ	Effect size ^j	% ⁱ	Effect size ^j
<i>First-Year Students in Bio, Agric, & Nat Res</i>								
11c. Learning community	26		20		15		17	
12. Service-learning	45		41		53		51	
11e. Research with faculty	0		7		6		7	
Participated in at least one	56		52		60		59	
Participated in two or more	15		14		13		14	
<i>Seniors in Bio, Agric, & Nat Res</i>								
11c. Learning community	20		24		25		26	
12. Service-learning	58		46		63		56	
11e. Research with faculty	29		44		48 *		47 *	
11a. Internship or field exp.	32		47		51 *		55 **	
11d. Study abroad	20		15		15		18	
11f. Culminating senior exp.	22		55 ***		53 ***		48 ***	
Participated in at least one	88		88		91		88	
Participated in two or more	54		66		72 *		69 *	

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Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

First-Year Students in Bio, Agric, & Nat Res

First-Year Students in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU	Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
1. During the current school year, about how often have you done the following?																		
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	0	0	35	3	28	3	324	3	2.6	2.8	-.26	2.9 *	-.37	2.9 *	-.36
		2	Sometimes	20	59	437	38	322	33	3,943	33							
		3	Often	8	24	395	34	336	35	4,218	36							
		4	Very often	6	18	284	25	285	29	3,292	28							
		Total	34	100	1,151	100	971	100	11,777	100								
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	2	6	173	15	128	13	1,708	15	3.1	2.5 ***	.61	2.6 **	.52	2.6 **	.55
		2	Sometimes	7	21	409	36	323	33	4,020	34							
		3	Often	9	27	339	30	307	32	3,504	30							
		4	Very often	15	45	222	19	208	22	2,493	21							
		Total	33	100	1,143	100	966	100	11,725	100								
c. Come to class without completing readings or assignments	unpreparedr (Reverse-coded version of unprepared created by NSSE.)	1	Very often	2	6	48	4	31	3	500	4	3.0	3.1	-.08	3.1	-.14	3.1	-.10
		2	Often	3	9	118	10	95	10	1,137	10							
		3	Sometimes	20	61	665	58	551	57	6,698	57							
		4	Never	8	24	316	28	284	30	3,368	29							
		Total	33	100	1,147	100	961	100	11,703	100								
d. Attended an art exhibit, play or other arts performance (dance, music, etc.)	attendart	1	Never	15	44	467	41	274	28	3,745	32	1.9	1.8	.10	2.1	-.17	2.0	-.11
		2	Sometimes	11	32	468	41	437	45	4,987	43							
		3	Often	4	12	152	13	169	18	2,059	18							
		4	Very often	4	12	59	5	83	9	912	8							
		Total	34	100	1,146	100	963	100	11,703	100								
e. Asked another student to help you understand course material	CLaskhelp	1	Never	2	6	62	5	46	5	663	6	2.7	2.7	-.02	2.7	-.01	2.7	-.02
		2	Sometimes	12	36	422	37	365	38	4,251	36							
		3	Often	12	36	416	36	353	36	4,214	36							
		4	Very often	7	21	248	22	205	21	2,606	22							
		Total	33	100	1,148	100	969	100	11,734	100								
f. Explained course material to one or more students	CLexplain	1	Never	1	3	31	3	26	3	297	3	2.7	2.9	-.22	2.9	-.19	2.9	-.22
		2	Sometimes	14	41	348	30	301	31	3,681	31							
		3	Often	13	38	488	43	423	44	4,835	41							
		4	Very often	6	18	276	24	212	22	2,881	25							
		Total	34	100	1,143	100	962	100	11,694	100								

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Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

First-Year Students in Bio, Agric, & Nat Res

First-Year Students in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU	Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ^j	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	5	15	127	11	91	9	1,129	10	2.7	2.7	.04	2.8	-.05	2.7	-.04
		2	Sometimes	8	24	397	35	304	32	3,805	32							
		3	Often	13	38	356	31	323	33	3,741	32							
		4	Very often	8	24	266	23	247	26	3,057	26							
		Total	34	100	1,146	100	965	100	11,732	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	1	3	63	6	58	6	675	6	2.7	2.7	.02	2.7	-.04	2.7	-.03
		2	Sometimes	16	47	472	41	358	37	4,481	38							
		3	Often	10	29	405	35	361	37	4,218	36							
		4	Very often	7	21	205	18	192	20	2,357	20							
		Total	34	100	1,145	100	969	100	11,731	100								
i. Gave a course presentation	present	1	Never	4	12	309	27	232	24	2,629	22	2.3	2.0	.33	2.1	.19	2.1	.18
		2	Sometimes	19	56	559	49	449	46	5,735	49							
		3	Often	8	24	210	18	213	22	2,405	21							
		4	Very often	3	9	63	6	73	8	955	8							
		Total	34	100	1,141	100	967	100	11,724	100								
2. During the current school year, about how often have you done the following?																		
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	1	3	58	5	50	5	656	6	3.0	2.7 *	.42	2.7	.33	2.7 *	.36
		2	Sometimes	8	24	472	41	362	38	4,464	38							
		3	Often	15	44	415	36	359	37	4,372	37							
		4	Very often	10	29	198	17	194	20	2,239	19							
		Total	34	100	1,143	100	965	100	11,731	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	1	3	122	11	90	9	958	8	2.8	2.5 *	.32	2.6	.23	2.6	.23
		2	Sometimes	10	29	456	40	370	39	4,696	40							
		3	Often	18	53	403	35	332	35	4,074	35							
		4	Very often	5	15	156	14	162	17	1,926	17							
		Total	34	100	1,137	100	954	100	11,654	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	3	9	153	13	100	10	1,162	10	2.6	2.4	.24	2.5	.10	2.6	.08
		2	Sometimes	13	38	508	45	404	42	4,806	41							
		3	Often	12	35	333	29	305	32	3,849	33							
		4	Very often	6	18	144	13	153	16	1,882	16							
		Total	34	100	1,138	100	962	100	11,699	100								

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Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

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First-Year Students in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU	Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	0	0	65	6	50	5	542	5	2.9	2.7	.24	2.8	.15	2.8	.15
		2	Sometimes	9	27	402	35	304	32	3,786	32							
		3	Often	18	55	466	41	414	43	4,966	42							
		4	Very often	6	18	205	18	195	20	2,396	20							
		Total	33	100	1,138	100	963	100	11,690	100								
e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	RIperspect	1	Never	1	3	48	4	33	3	427	4	3.0	2.8	.24	2.9	.13	2.9	.16
		2	Sometimes	7	21	373	33	274	29	3,476	30							
		3	Often	17	50	472	41	416	43	4,950	42							
		4	Very often	9	26	245	22	238	25	2,823	24							
		Total	34	100	1,138	100	961	100	11,676	100								
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	0	0	38	3	25	3	297	3	3.0	2.8	.27	2.9	.17	2.9	.17
		2	Sometimes	9	26	381	33	286	30	3,490	30							
		3	Often	15	44	478	42	418	43	5,023	43							
		4	Very often	10	29	243	21	232	24	2,869	25							
		Total	34	100	1,140	100	961	100	11,679	100								
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	0	0	14	1	11	1	143	1	3.4	3.1	.31	3.1	.30	3.2	.26
		2	Sometimes	3	9	206	18	166	17	2,076	18							
		3	Often	16	47	543	48	462	48	5,263	45							
		4	Very often	15	44	375	33	319	33	4,178	36							
		Total	34	100	1,138	100	958	100	11,660	100								
3. During the current school year, about how often have you done the following?																		
a. Talked about career plans with a faculty member	SFCareer	1	Never	5	15	201	18	149	15	2,019	17	2.5	2.3	.21	2.3	.16	2.3	.19
		2	Sometimes	13	38	556	49	457	48	5,533	47							
		3	Often	11	32	247	22	246	26	2,772	24							
		4	Very often	5	15	141	12	110	11	1,382	12							
		Total	34	100	1,145	100	962	100	11,706	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFOtherwork	1	Never	20	59	618	54	448	47	5,696	49	1.6	1.7	-.11	1.8	-.22	1.8	-.20
		2	Sometimes	9	26	338	30	324	34	3,746	32							
		3	Often	4	12	118	10	124	13	1,492	13							
		4	Very often	1	3	68	6	60	6	735	6							
		Total	34	100	1,142	100	956	100	11,669	100								

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

First-Year Students in Bio, Agric, & Nat Res

First-Year Students in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU	Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	10	29	389	34	230	24	3,365	29	2.0	2.0	.04	2.1	-.16	2.1	-.08
		2	Sometimes	16	47	484	42	454	47	5,117	44							
		3	Often	6	18	190	17	185	19	2,223	19							
		4	Very often	2	6	78	7	91	9	975	8							
		Total	34	100	1,141	100	960	100	11,680	100								
d. Discussed your academic performance with a faculty member	SFperform	1	Never	6	18	304	27	212	22	2,620	22	2.2	2.1	.17	2.2	.01	2.2	.05
		2	Sometimes	18	53	552	48	451	47	5,599	48							
		3	Often	7	21	196	17	196	20	2,341	20							
		4	Very often	3	9	89	8	101	11	1,102	9							
		Total	34	100	1,141	100	960	100	11,662	100								
4. During the current school year, how much has your coursework emphasized the following?																		
a. Memorizing course material	memorize	1	Very little	0	0	33	3	23	2	288	2	3.4	3.1	.28	3.1	.33	3.1	.31
		2	Some	4	12	204	18	189	20	2,192	19							
		3	Quite a bit	14	41	495	43	426	44	5,158	44							
		4	Very much	16	47	415	36	322	34	4,078	35							
		Total	34	100	1,147	100	960	100	11,716	100								
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	0	0	25	2	17	2	225	2	3.1	3.1	.04	3.1	.01	3.2	-.01
		2	Some	8	24	208	18	178	19	2,011	17							
		3	Quite a bit	13	38	517	45	421	44	5,150	44							
		4	Very much	13	38	395	34	343	36	4,302	37							
		Total	34	100	1,145	100	959	100	11,688	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	1	3	37	3	33	3	330	3	3.1	3.0	.14	3.1	.08	3.1	.05
		2	Some	8	24	263	23	206	22	2,403	21							
		3	Quite a bit	10	30	496	43	393	41	4,871	42							
		4	Very much	14	42	346	30	326	34	4,045	35							
		Total	33	100	1,142	100	958	100	11,649	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	1	3	56	5	43	4	466	4	3.1	2.9	.24	2.9	.18	3.0	.13
		2	Some	9	26	320	28	264	28	2,957	25							
		3	Quite a bit	11	32	486	43	391	41	4,917	42							
		4	Very much	13	38	274	24	260	27	3,324	28							
		Total	34	100	1,136	100	958	100	11,664	100								

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Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

First-Year Students in Bio, Agric, & Nat Res

First-Year Students in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k							
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	3	9	64	6	32	3	516	4	2.9	2.9	-.01	2.9	-.07	2.9	-.08	
		2	Some	8	24	290	25	258	27	2,927	25								
		3	Quite a bit	13	38	497	43	405	42	4,872	42								
		4	Very much	10	29	292	26	262	27	3,351	29								
		Total	34	100	1,143	100	957	100	11,666	100									
5. During the current school year, to what extent have your instructors done the following?																			
a. Clearly explained course goals and requirements	ETgoals	1	Very little	0	0	23	2	15	2	184	2	3.5	3.2 *	.41	3.2 *	.38	3.2 *	.36	
		2	Some	3	9	174	15	153	16	1,732	15								
		3	Quite a bit	12	35	541	47	438	45	5,357	46								
		4	Very much	19	56	411	36	364	38	4,486	38								
		Total	34	100	1,149	100	970	100	11,759	100									
b. Taught course sessions in an organized way	ETorganize	1	Very little	0	0	22	2	21	2	231	2	3.2	3.1	.08	3.1	.10	3.2	.03	
		2	Some	4	12	201	18	181	19	1,892	16								
		3	Quite a bit	19	58	538	47	439	45	5,368	46								
		4	Very much	10	30	385	34	326	34	4,232	36								
		Total	33	100	1,146	100	967	100	11,723	100									
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	0	0	28	2	24	2	252	2	3.2	3.2	.06	3.2	.03	3.2	.00	
		2	Some	4	12	204	18	159	16	1,879	16								
		3	Quite a bit	18	55	467	41	391	40	4,731	40								
		4	Very much	11	33	444	39	392	41	4,832	41								
		Total	33	100	1,143	100	966	100	11,694	100									
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	1	3	110	10	90	9	924	8	3.1	2.8 *	.35	2.8	.33	2.9	.29	
		2	Some	7	21	322	28	272	28	3,237	28								
		3	Quite a bit	12	36	410	36	338	35	4,204	36								
		4	Very much	13	39	302	26	265	27	3,334	28								
		Total	33	100	1,144	100	965	100	11,699	100									
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	2	6	120	11	62	6	923	8	2.8	2.7	.06	2.9	-.08	2.8	-.02	
		2	Some	12	36	348	31	271	28	3,419	29								
		3	Quite a bit	10	30	392	34	369	38	4,388	38								
		4	Very much	9	27	279	24	259	27	2,947	25								
		Total	33	100	1,139	100	961	100	11,677	100									

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

First-Year Students in Bio, Agric, & Nat Res

First-Year Students in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k							
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
6. During the current school year, about how often have you done the following?																			
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	3	9	94	8	82	8	932	8	2.8	2.8	.02	2.7	.07	2.8	.04	
		2	Sometimes	11	32	323	28	311	32	3,602	31								
		3	Often	10	29	479	42	360	37	4,600	39								
		4	Very often	10	29	253	22	213	22	2,623	22								
		Total	34	100	1,149	100	966	100	11,757	100									
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	7	21	221	19	180	19	2,248	19	2.4	2.3	.08	2.3	.08	2.4	.06	
		2	Sometimes	13	38	445	39	398	41	4,635	39								
		3	Often	7	21	350	31	261	27	3,316	28								
		4	Very often	7	21	131	11	124	13	1,539	13								
		Total	34	100	1,147	100	963	100	11,738	100									
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	4	12	210	18	147	15	1,913	16	2.5	2.4	.15	2.4	.13	2.4	.11	
		2	Sometimes	14	41	449	39	420	44	4,684	40								
		3	Often	11	32	345	30	276	29	3,625	31								
		4	Very often	5	15	141	12	119	12	1,501	13								
		Total	34	100	1,145	100	962	100	11,723	100									
7. During the current school year, about how many papers, reports, or other writing tasks of the following length have you been assigned? (Include those not yet completed.)																			
a. Up to 5 pages	wrshortnum (Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	0	None	0	0	45	4	39	4	491	4	9.3	6.6 **	.47	6.9 *	.41	6.9 *	.41	
		1.5	1-2	3	9	223	20	201	21	2,181	19								
		4	3-5	6	18	386	34	283	30	3,607	31								
		8	6-10	15	45	270	24	220	23	2,952	26								
		13	11-15	3	9	102	9	128	13	1,247	11								
		18	16-20	4	12	55	5	45	5	546	5								
		23	More than 20	2	6	49	4	42	4	541	5								
		Total	33	100	1,130	100	958	100	11,565	100									
b. Between 6 and 10 pages	wrmednum (Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	0	None	9	27	357	33	337	37	3,518	31	2.6	2.2	.14	1.8	.31	2.1	.17	
		1.5	1-2	15	45	446	41	373	40	4,746	42								
		4	3-5	6	18	191	18	164	18	2,090	19								
		8	6-10	1	3	65	6	36	4	628	6								
		13	11-15	1	3	18	2	7	1	136	1								
		18	16-20	1	3	0	0	5	1	30	0								
		23	More than 20	0	0	7	1	0	0	39	0								
		Total	33	100	1,084	100	922	100	11,187	100									

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

First-Year Students in Bio, Agric, & Nat Res

First-Year Students in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k							
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
c. 11 pages or more	wrlongnum	0	None	28	88	836	79	715	80	8,303	77	0.8	0.6	.07	0.6	.11	0.7	.04	
		1.5	1-2	2	6	174	16	149	17	1,985	18								
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	4	3-5	1	3	29	3	19	2	294	3								
		8	6-10	0	0	11	1	2	0	119	1								
		13	11-15	0	0	5	0	7	1	70	1								
		18	16-20	1	3	2	0	4	0	27	0								
		23	More than 20	0	0	4	0	1	0	43	0								
			Total	32	100	1,061	100	897	100	10,841	100								
Estimated number of assigned pages of student writing.	wrpages		(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing)									58	44	.26	42	.31	46	.22	
8. During the current school year, about how often have you had discussions with people from the following groups?																			
a. People of a race or ethnicity other than your own	DDrace	1	Never	2	6	65	6	49	5	539	5	2.9	3.0	-.18	3.1	-.22	3.1	-.28	
		2	Sometimes	13	38	301	26	237	24	2,757	23								
		3	Often	7	21	331	29	292	30	3,286	28								
		4	Very often	12	35	456	40	390	40	5,170	44								
			Total	34	100	1,153	100	968	100	11,752	100								
b. People from an economic background other than your own	DDeconomic	1	Never	1	3	39	3	33	3	460	4	3.1	3.1	-.03	3.1	.00	3.1	-.03	
		2	Sometimes	9	26	244	21	202	21	2,366	20								
		3	Often	9	26	383	33	345	36	3,918	33								
		4	Very often	15	44	484	42	385	40	4,995	43								
			Total	34	100	1,150	100	965	100	11,739	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	1	3	55	5	57	6	725	6	3.1	3.1	-.04	3.0	.05	3.1	.00	
		2	Sometimes	11	32	255	22	233	24	2,729	23								
		3	Often	7	21	367	32	315	33	3,409	29								
		4	Very often	15	44	476	41	359	37	4,866	41								
			Total	34	100	1,153	100	964	100	11,729	100								
d. People with political views other than your own	DDpolitical	1	Never	1	3	57	5	55	6	640	5	3.1	3.1	-.08	3.0	.05	3.1	-.01	
		2	Sometimes	10	29	227	20	233	24	2,688	23								
		3	Often	9	26	379	33	320	33	3,656	31								
		4	Very often	14	41	489	42	356	37	4,723	40								
			Total	34	100	1,152	100	964	100	11,707	100								

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First-Year Students in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k								
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013		
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
9. During the current school year, about how often have you done the following?																				
a. Identified key information from reading assignments	LSreading	1	Never	0	0	9	1	7	1	89	1	3.3	3.2	.13	3.2	.09	3.3	.04		
		2	Sometimes	6	18	206	18	144	15	1,670	14									
		3	Often	12	35	483	42	439	45	5,003	43									
		4	Very often	16	47	448	39	377	39	4,966	42									
		Total	34	100	1,146	100	967	100	11,728	100										
b. Reviewed your notes after class	LSnotes	1	Never	1	3	37	3	29	3	413	4	3.1	3.1	.05	3.1	.02	3.1	.08		
		2	Sometimes	8	24	283	25	229	24	3,027	26									
		3	Often	11	32	381	33	327	34	3,825	33									
		4	Very often	14	41	443	39	381	39	4,440	38									
		Total	34	100	1,144	100	966	100	11,705	100										
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	1	3	63	6	44	5	583	5	2.9	2.9	-.04	2.9	-.06	2.9	-.06		
		2	Sometimes	11	32	335	30	271	28	3,241	28									
		3	Often	13	38	369	33	344	36	4,114	35									
		4	Very often	9	26	366	32	296	31	3,686	32									
		Total	34	100	1,133	100	955	100	11,624	100										
10. During the current school year, to what extent have your courses challenged you to do your best work?																				
challenge		1	Not at all	0	0	5	0	1	0	34	0	5.7	5.7	-.03	5.7	.02	5.7	-.02		
		2		0	0	7	1	12	1	81	1									
		3		0	0	19	2	22	2	264	2									
		4		2	6	75	7	80	8	849	7									
		5		13	38	340	30	275	28	3,337	28									
		6		12	35	403	35	334	35	4,075	35									
		7	Very much	7	21	300	26	244	25	3,107	26									
		Total	34	100	1,149	100	968	100	11,747	100										

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Frequency Distributions^a

Statistical Comparisons^k

Bio, Agric, & Nat Res				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013		
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
11. Which of the following have you done or do you plan to do before you graduate? ^o																				
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern (Means indicate the percentage who responded "Done or in progress.")		Have not decided	3	9	124	11	87	9	975	8	12%	7%	.16	8%	.12	9%	.09		
			Do not plan to do	1	3	48	4	21	2	317	3									
			Plan to do	26	76	892	78	781	81	9,417	80									
			Done or in progress	4	12	83	7	79	8	1,044	9									
			Total	34	100	1,147	100	968	100	11,753	100									
b. Hold a formal leadership role in a student organization or group	leader (Means indicate the percentage who responded "Done or in progress.")		Have not decided	9	27	290	25	255	26	3,059	26	15%	12%	.11	11%	.13	13%	.07		
			Do not plan to do	6	18	291	25	229	24	2,417	21									
			Plan to do	13	39	431	38	376	39	4,751	41									
			Done or in progress	5	15	132	12	104	11	1,485	13									
			Total	33	100	1,144	100	964	100	11,712	100									
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom (Means indicate the percentage who responded "Done or in progress.")		Have not decided	10	29	319	28	304	32	3,597	31	26%	20%	.15	15%	.28	17%	.24		
			Do not plan to do	6	18	342	30	273	28	3,127	27									
			Plan to do	9	26	253	22	239	25	3,019	26									
			Done or in progress	9	26	233	20	148	15	1,964	17									
			Total	34	100	1,147	100	964	100	11,707	100									
d. Participate in a study abroad program	abroad (Means indicate the percentage who responded "Done or in progress.")		Have not decided	14	41	315	28	277	29	3,152	27	0%	4%	-.41	3%	-.37	3%	-.37		
			Do not plan to do	7	21	273	24	236	25	2,556	22									
			Plan to do	13	38	507	44	418	43	5,601	48									
			Done or in progress	0	0	47	4	32	3	390	3									
			Total	34	100	1,142	100	963	100	11,699	100									
e. Work with a faculty member on a research project	research (Means indicate the percentage who responded "Done or in progress.")		Have not decided	10	29	339	30	293	30	3,400	29	0%	7%	-.53	6%	-.50	7%	-.54		
			Do not plan to do	6	18	135	12	119	12	1,252	11									
			Plan to do	18	53	584	51	491	51	6,176	53									
			Done or in progress	0	0	79	7	58	6	835	7									
			Total	34	100	1,137	100	961	100	11,663	100									
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone (Means indicate the percentage who responded "Done or in progress.")		Have not decided	14	41	352	31	278	29	3,245	28	0%	3%	-.32	3%	-.33	2%	-.31		
			Do not plan to do	2	6	75	7	69	7	786	7									
			Plan to do	18	53	679	60	586	61	7,358	63									
			Done or in progress	0	0	29	3	26	3	283	2									
			Total	34	100	1,135	100	959	100	11,672	100									

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

First-Year Students in Bio, Agric, & Nat Res

First-Year Students in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k							
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
12. About how many of your courses at this institution have included a community-based project (service-learning)?																			
	servcourse	1	None	18	55	674	59	456	47	5,718	49	1.5	1.5	.15	1.6	-.09	1.6	-.06	
		2	Some	12	36	417	37	442	46	5,174	44								
		3	Most	3	9	42	4	61	6	691	6								
		4	All	0	0	7	1	5	1	90	1								
		Total		33	100	1,140	100	964	100	11,673	100								
13. Indicate the quality of your interactions with the following people at your institution.																			
a. Students	Qlstudent	1	Poor	0	0	10	1	12	1	158	1	5.6	5.6	-.01	5.6	-.01	5.7	-.03	
		2		1	3	31	3	12	1	218	2								
		3		0	0	48	4	49	5	498	4								
		4		3	9	105	9	84	9	1,014	9								
		5		11	32	243	21	238	25	2,524	21								
		6		11	32	364	32	266	27	3,578	30								
		7	Excellent	8	24	345	30	307	32	3,735	32								
		—	Not applicable	0	0	3	0	1	0	33	0								
		Total		34	100	1,149	100	969	100	11,758	100								
b. Academic advisors	Qladvisor	1	Poor	1	3	43	4	36	4	399	3	4.9	5.1	-.07	5.2	-.13	5.2	-.14	
		2		4	13	67	6	56	6	633	5								
		3		2	6	107	9	80	8	930	8								
		4		3	9	154	13	119	12	1,575	13								
		5		8	25	221	19	192	20	2,236	19								
		6		7	22	244	21	207	21	2,634	22								
		7	Excellent	7	22	281	24	265	27	3,119	27								
		—	Not applicable	0	0	31	3	9	1	213	2								
		Total		32	100	1,148	100	964	100	11,739	100								
c. Faculty	Qlfaculty	1	Poor	1	3	17	1	17	2	209	2	5.3	5.2	.11	5.5	-.09	5.3	-.01	
		2		0	0	39	3	27	3	329	3								
		3		2	6	90	8	45	5	705	6								
		4		5	15	185	16	125	13	1,492	13								
		5		7	21	268	24	188	20	2,757	24								
		6		12	36	318	28	307	32	3,499	30								
		7	Excellent	6	18	217	19	250	26	2,609	22								
		—	Not applicable	0	0	5	0	3	0	70	1								
		Total		33	100	1,139	100	962	100	11,670	100								

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

First-Year Students in Bio, Agric, & Nat Res

First-Year Students in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013
Item wording or description	Variable name ^j	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Student services staff (career services, student activities, housing, etc.)	Qlstaff	1	Poor	0	0	54	5	41	4	496	4	5.1	4.9	.13	5.1	.03	5.0	.05
		2		2	6	64	6	42	4	536	5							
		3		3	9	83	7	67	7	807	7							
		4		3	9	153	13	138	14	1,626	14							
		5		7	21	255	22	210	22	2,485	21							
		6		12	36	226	20	214	22	2,658	23							
		7	Excellent	3	9	189	17	198	21	2,200	19							
		—	Not applicable	3	9	116	10	52	5	889	8							
	Total	33	100	1,140	100	962	100	11,697	100									
e. Other administrative staff and offices (registrar, financial aid, etc.)	Qladmin	1	Poor	1	3	55	5	45	5	532	5	5.2	4.8	.23	5.0	.13	4.9	.17
		2		3	9	81	7	58	6	688	6							
		3		3	9	92	8	81	8	970	8							
		4		1	3	156	14	133	14	1,704	15							
		5		4	12	233	20	200	21	2,457	21							
		6		14	41	233	20	193	20	2,573	22							
		7	Excellent	6	18	176	15	211	22	2,082	18							
		—	Not applicable	2	6	118	10	39	4	709	6							
	Total	34	100	1,144	100	960	100	11,715	100									
14. How much does your institution emphasize the following?																		
a. Spending significant amounts of time studying and on academic works	empstudy	1	Very little	0	0	13	1	10	1	137	1	3.2	3.3	-.16	3.4	-.21	3.3	-.19
		2	Some	5	15	123	11	98	10	1,192	10							
		3	Quite a bit	17	50	494	43	394	41	4,885	42							
		4	Very much	12	35	515	45	462	48	5,487	47							
			Total	34	100	1,145	100	964	100	11,701	100							
b. Providing support to help students succeed academically	SEacademic	1	Very little	1	3	28	2	27	3	313	3	3.3	3.2	.07	3.2	.04	3.2	.04
		2	Some	7	21	183	16	135	14	1,712	15							
		3	Quite a bit	8	24	453	40	379	40	4,555	39							
		4	Very much	18	53	473	42	413	43	5,058	43							
			Total	34	100	1,137	100	954	100	11,638	100							
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	2	6	51	4	34	4	438	4	3.4	3.2	.17	3.2	.16	3.3	.13
		2	Some	3	9	165	14	142	15	1,546	13							
		3	Quite a bit	9	26	387	34	338	35	4,084	35							
		4	Very much	20	59	535	47	448	47	5,572	48							
			Total	34	100	1,138	100	962	100	11,640	100							

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

First-Year Students in Bio, Agric, & Nat Res

First-Year Students in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU	Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	4	12	127	11	119	12	1,295	11	2.7	2.7	-.02	2.7	-.04	2.8	-.06
		2	Some	11	32	372	33	271	28	3,416	29							
		3	Quite a bit	10	29	330	29	306	32	3,726	32							
		4	Very much	9	26	310	27	263	27	3,234	28							
		Total	34	100	1,139	100	959	100	11,671	100								
e. Providing opportunities to be involved socially	SEsocial	1	Very little	1	3	66	6	54	6	535	5	3.2	3.0	.19	3.0	.19	3.1	.12
		2	Some	4	12	254	22	185	19	2,247	19							
		3	Quite a bit	16	47	397	35	389	41	4,394	38							
		4	Very much	13	38	422	37	332	35	4,477	38							
		Total	34	100	1,139	100	960	100	11,653	100								
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	1	3	73	6	46	5	601	5	3.4	3.1 *	.36	3.1 *	.35	3.1	.32
		2	Some	3	9	228	20	202	21	2,158	19							
		3	Quite a bit	12	35	395	35	349	36	4,390	38							
		4	Very much	18	53	438	39	363	38	4,496	39							
		Total	34	100	1,134	100	960	100	11,645	100								
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	5	15	243	21	197	21	2,189	19	2.7	2.4	.29	2.4	.29	2.4	.25
		2	Some	12	35	409	36	348	36	4,194	36							
		3	Quite a bit	6	18	291	26	255	27	3,266	28							
		4	Very much	11	32	192	17	158	16	1,995	17							
		Total	34	100	1,135	100	958	100	11,644	100								
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	2	6	88	8	62	6	708	6	3.1	2.9	.16	3.0	.10	3.0	.05
		2	Some	7	21	263	23	223	23	2,451	21							
		3	Quite a bit	12	35	443	39	353	37	4,467	38							
		4	Very much	13	38	341	30	320	33	3,992	34							
		Total	34	100	1,135	100	958	100	11,618	100								
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	1	3	157	14	114	12	1,272	11	2.8	2.6	.27	2.7	.15	2.7	.13
		2	Some	14	41	404	36	305	32	3,598	31							
		3	Quite a bit	9	26	347	31	308	32	4,021	35							
		4	Very much	10	29	224	20	226	24	2,709	23							
		Total	34	100	1,132	100	953	100	11,600	100								

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

First-Year Students in Bio, Agric, & Nat Res

First-Year Students in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU	Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
15. About how many hours do you spend in a typical 7-day week doing the following?																		
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs <i>(Recoded version of tmprep created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	0	0	2	0	1	0	30	0	15.1	16.1	-.13	16.1	-.12	16.4	-.16
		3	1-5 hrs	4	12	102	9	99	10	1,136	10							
		8	6-10 hrs	5	15	240	21	192	20	2,194	19							
		13	11-15 hrs	11	32	234	20	197	20	2,433	21							
		18	16-20 hrs	8	24	236	21	200	21	2,328	20							
		23	21-25 hrs	1	3	155	14	124	13	1,593	14							
		28	26-30 hrs	3	9	90	8	74	8	1,005	9							
		33	More than 30 hrs	2	6	89	8	79	8	1,010	9							
		Total	34	100	1,148	100	966	100	11,729	100								
b. Participating in co- curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs <i>(Recoded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	14	41	357	31	285	30	3,190	27	4.7	4.9	-.03	5.3	-.10	5.6	-.14
		3	1-5 hrs	9	26	440	39	350	36	4,409	38							
		8	6-10 hrs	5	15	192	17	164	17	1,992	17							
		13	11-15 hrs	4	12	68	6	77	8	1,015	9							
		18	16-20 hrs	1	3	44	4	54	6	583	5							
		23	21-25 hrs	1	3	28	2	22	2	268	2							
		28	26-30 hrs	0	0	6	1	6	1	118	1							
		33	More than 30 hrs	0	0	7	1	4	0	100	1							
		Total	34	100	1,142	100	962	100	11,675	100								
c. Working for pay on campus	tmworkonhrs <i>(Recoded version of tmworkon created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	28	82	922	80	746	77	8,953	77	2.4	2.1	.06	2.4	.01	2.4	.02
		3	1-5 hrs	0	0	40	3	56	6	624	5							
		8	6-10 hrs	2	6	87	8	73	8	1,092	9							
		13	11-15 hrs	1	3	60	5	41	4	566	5							
		18	16-20 hrs	3	9	21	2	28	3	318	3							
		23	21-25 hrs	0	0	7	1	8	1	77	1							
		28	26-30 hrs	0	0	2	0	6	1	30	0							
		33	More than 30 hrs	0	0	7	1	5	1	38	0							
		Total	34	100	1,146	100	963	100	11,698	100								

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

First-Year Students in Bio, Agric, & Nat Res

First-Year Students in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	27	79	823	72	736	77	8,888	76	3.3	4.1	-.10	3.7	-.05	3.5	-.03
		3	1-5 hrs	0	0	56	5	41	4	516	4							
	(Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	8	6-10 hrs	2	6	57	5	45	5	527	5							
		13	11-15 hrs	2	6	63	6	27	3	503	4							
		18	16-20 hrs	1	3	57	5	40	4	499	4							
		23	21-25 hrs	1	3	40	4	31	3	327	3							
		28	26-30 hrs	1	3	19	2	13	1	162	1							
		33	More than 30 hrs	0	0	22	2	28	3	237	2							
		Total	34	100	1,137	100	961	100	11,659	100								
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	20	59	646	57	525	55	6,044	52	2.3	2.2	.01	2.3	-.01	2.4	-.02
		3	1-5 hrs	11	32	363	32	342	36	4,364	38							
	(Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)	8	6-10 hrs	1	3	77	7	43	5	669	6							
		13	11-15 hrs	1	3	18	2	21	2	251	2							
		18	16-20 hrs	0	0	14	1	10	1	128	1							
		23	21-25 hrs	1	3	6	1	9	1	66	1							
		28	26-30 hrs	0	0	2	0	2	0	18	0							
		33	More than 30 hrs	0	0	4	0	3	0	37	0							
		Total	34	100	1,130	100	955	100	11,577	100								
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	0	0	18	2	7	1	160	1	16.2	12.1 **	.50	11.7 **	.55	11.8 **	.54
		3	1-5 hrs	2	6	255	22	237	25	2,649	23							
	(Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	8	6-10 hrs	7	21	303	27	261	27	3,317	29							
		13	11-15 hrs	9	27	229	20	187	20	2,314	20							
		18	16-20 hrs	4	12	156	14	113	12	1,487	13							
		23	21-25 hrs	7	21	85	7	74	8	783	7							
		28	26-30 hrs	2	6	43	4	35	4	371	3							
		33	More than 30 hrs	2	6	48	4	36	4	528	5							
		Total	33	100	1,137	100	950	100	11,609	100								

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First-Year Students in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
g. Providing care for dependents (children, parents, etc.)	tmcarehrs (Recoded version of tmcare created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	27	84	931	82	736	78	9,383	81	0.8	1.7	-.17	2.2 **	-.24	1.9 **	-.19
		3	1-5 hrs	3	9	114	10	101	11	1,114	10							
		8	6-10 hrs	2	6	35	3	48	5	431	4							
		13	11-15 hrs	0	0	20	2	17	2	231	2							
		18	16-20 hrs	0	0	11	1	12	1	136	1							
		23	21-25 hrs	0	0	4	0	9	1	85	1							
		28	26-30 hrs	0	0	4	0	5	1	39	0							
		33	More than 30 hrs	0	0	20	2	20	2	193	2							
		Total	32	100	1,139	100	948	100	11,612	100								
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs (Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	14	42	422	37	479	50	5,379	46	2.8	3.5	-.16	3.2	-.07	3.3	-.09
		3	1-5 hrs	13	39	489	43	330	34	4,250	36							
		8	6-10 hrs	5	15	155	14	74	8	1,173	10							
		13	11-15 hrs	1	3	42	4	33	3	445	4							
		18	16-20 hrs	0	0	18	2	18	2	191	2							
		23	21-25 hrs	0	0	10	1	8	1	98	1							
		28	26-30 hrs	0	0	2	0	7	1	43	0							
		33	More than 30 hrs	0	0	6	1	10	1	101	1							
		Total	33	100	1,144	100	959	100	11,680	100								
Estimated number of hours working for pay	tmworkhrs (Continuous variable created by NSSE)											5.7	6.1	-.04	6.1	-.04	5.8	-.01
16. Of the time you spend preparing for class in a typical 7-day week, about how many hours are on assigned reading?																		
	tmreadhrs (Recoded version of tmread created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	0	0	47	4	23	2	333	3	6.4	5.9	.11	6.8	-.07	6.7	-.07
		3	1-5 hrs	20	59	649	57	500	52	5,928	51							
		8	6-10 hrs	9	26	301	26	269	28	3,320	28							
		13	11-15 hrs	1	3	104	9	93	10	1,288	11							
		18	16-20 hrs	4	12	20	2	54	6	522	4							
		23	21-25 hrs	0	0	12	1	13	1	189	2							
		28	26-30 hrs	0	0	6	1	9	1	76	1							
		33	More than 30 hrs	0	0	6	1	5	1	65	1							
		Total	34	100	1,145	100	966	100	11,721	100								

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

First-Year Students in Bio, Agric, & Nat Res

First-Year Students in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k							
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?																			
a. Writing clearly and effectively	pgwrite	1	Very little	1	3	110	10	76	8	911	8	3.1	2.7 *	.35	2.8	.27	2.8	.23	
		2	Some	6	18	332	29	274	28	3,064	26								
		3	Quite a bit	17	50	451	39	363	38	4,662	40								
		4	Very much	10	29	253	22	249	26	3,103	26								
		Total	34	100	1,146	100	962	100	11,740	100									
b. Speaking clearly and effectively	pgspeak	1	Very little	3	9	179	16	103	11	1,456	12	2.5	2.5	.04	2.7	-.15	2.6	-.10	
		2	Some	16	47	404	35	301	31	3,772	32								
		3	Quite a bit	9	26	384	34	367	38	4,167	36								
		4	Very much	6	18	177	15	188	20	2,313	20								
		Total	34	100	1,144	100	959	100	11,708	100									
c. Thinking critically and analytically	pgthink	1	Very little	0	0	36	3	18	2	305	3	3.3	3.1	.29	3.2	.21	3.2	.20	
		2	Some	4	12	199	17	165	17	1,946	17								
		3	Quite a bit	15	44	527	46	414	43	4,973	43								
		4	Very much	15	44	382	33	358	37	4,471	38								
		Total	34	100	1,144	100	955	100	11,695	100									
d. Analyzing numerical and statistical information	pganalyze	1	Very little	3	9	80	7	75	8	925	8	2.6	2.8	-.22	2.8	-.21	2.8	-.20	
		2	Some	11	32	320	28	250	26	3,221	28								
		3	Quite a bit	15	44	439	38	393	41	4,481	38								
		4	Very much	5	15	305	27	239	25	3,080	26								
		Total	34	100	1,144	100	957	100	11,707	100									
e. Acquiring job- or work- related knowledge and skills	pgwork	1	Very little	3	9	197	17	123	13	1,741	15	2.6	2.5	.13	2.6	.03	2.6	.07	
		2	Some	13	38	373	33	312	32	3,806	32								
		3	Quite a bit	11	32	359	31	333	35	3,855	33								
		4	Very much	7	21	215	19	193	20	2,318	20								
		Total	34	100	1,144	100	961	100	11,720	100									
f. Working effectively with others	pgothers	1	Very little	0	0	91	8	53	6	774	7	3.1	2.8	.26	2.9	.23	2.9	.23	
		2	Some	8	24	313	27	272	28	3,183	27								
		3	Quite a bit	15	45	441	39	384	40	4,643	40								
		4	Very much	10	30	297	26	250	26	3,096	26								
		Total	33	100	1,142	100	959	100	11,696	100									

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

First-Year Students in Bio, Agric, & Nat Res

First-Year Students in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k							
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ^j	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	2	6	178	16	104	11	1,348	12	2.8	2.6	.28	2.8	.10	2.7	.11	
		2	Some	13	39	368	32	280	29	3,363	29								
		3	Quite a bit	6	18	359	31	322	34	3,978	34								
		4	Very much	12	36	238	21	254	26	3,012	26								
		Total	33	100	1,143	100	960	100	11,701	100									
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	5	15	140	12	98	10	1,314	11	2.8	2.7	.11	2.8	.01	2.7	.03	
		2	Some	8	24	369	32	298	31	3,451	29								
		3	Quite a bit	11	32	375	33	301	31	3,959	34								
		4	Very much	10	29	259	23	260	27	2,985	25								
		Total	34	100	1,143	100	957	100	11,709	100									
i. Solving complex real-world problems	pgprobsolve	1	Very little	4	12	155	14	100	10	1,389	12	2.7	2.6	.17	2.6	.12	2.6	.10	
		2	Some	10	29	385	34	353	37	3,896	33								
		3	Quite a bit	11	32	391	34	312	33	3,980	34								
		4	Very much	9	26	212	19	192	20	2,442	21								
		Total	34	100	1,143	100	957	100	11,707	100									
j. Being an informed and active citizen	pgcitizen	1	Very little	3	9	158	14	113	12	1,366	12	2.8	2.6	.19	2.6	.12	2.7	.10	
		2	Some	9	26	372	33	313	33	3,666	31								
		3	Quite a bit	15	44	397	35	325	34	4,055	35								
		4	Very much	7	21	212	19	203	21	2,582	22								
		Total	34	100	1,139	100	954	100	11,669	100									
18. How would you evaluate your entire educational experience at this institution?																			
	evalexp	1	Poor	0	0	18	2	7	1	174	1	3.2	3.2	.01	3.3	-.05	3.3	-.07	
		2	Fair	3	9	110	10	111	12	1,195	10								
		3	Good	20	59	610	53	461	48	5,469	47								
		4	Excellent	11	32	408	36	386	40	4,901	42								
		Total	34	100	1,146	100	965	100	11,739	100									
19. If you could start over again, would you go to the same <i>institution</i> you are now attending?																			
	sameinst	1	Definitely no	1	3	41	4	38	4	407	3	3.4	3.2	.13	3.2	.15	3.3	.12	
		2	Probably no	4	12	121	11	118	12	1,427	12								
		3	Probably yes	11	32	497	43	393	41	4,649	40								
		4	Definitely yes	18	53	490	43	417	43	5,267	45								
		Total	34	100	1,149	100	966	100	11,750	100									

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

Seniors in Bio, Agric, & Nat Res

Seniors in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k									
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013			
				Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean
1. During the current school year, about how often have you done the following?																					
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	0	0	22	2	16	2	363	3	3.1	3.1	.08	3.2	-.04	3.1	.07			
		2	Sometimes	9	22	375	29	253	24	3,771	27										
		3	Often	18	44	418	32	345	32	4,552	32										
		4	Very often	14	34	486	37	449	42	5,414	38										
		Total	41	100	1,301	100	1,063	100	14,100	100											
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	4	10	298	23	210	20	2,951	21	2.7	2.3 **	.42	2.4 *	.35	2.4 *	.36			
		2	Sometimes	15	37	484	37	398	38	5,202	37										
		3	Often	10	24	318	25	276	26	3,581	26										
		4	Very often	12	29	192	15	171	16	2,306	16										
		Total	41	100	1,292	100	1,055	100	14,040	100											
c. Come to class without completing readings or assignments	unpreparedr (Reverse-coded version of unprepared created by NSSE.)	1	Very often	3	7	71	5	50	5	743	5	3.0	3.0	.04	3.0	.04	3.0	.05			
		2	Often	3	7	169	13	141	13	1,908	14										
		3	Sometimes	25	61	753	58	637	60	8,219	59										
		4	Never	10	24	302	23	232	22	3,166	23										
		Total	41	100	1,295	100	1,060	100	14,036	100											
d. Attended an art exhibit, play or other arts performance (dance, music, etc.)	attendart	1	Never	13	32	567	44	356	34	5,147	37	2.0	1.8	.24	1.9	.02	1.9	.06			
		2	Sometimes	21	51	524	41	472	45	5,967	43										
		3	Often	3	7	141	11	172	16	2,058	15										
		4	Very often	4	10	57	4	59	6	859	6										
		Total	41	100	1,289	100	1,059	100	14,031	100											
e. Asked another student to help you understand course material	CLaskhelp	1	Never	5	12	117	9	66	6	1,101	8	2.5	2.5	-.02	2.6	-.14	2.6	-.08			
		2	Sometimes	14	34	580	45	445	42	6,040	43										
		3	Often	18	44	403	31	354	34	4,481	32										
		4	Very often	4	10	199	15	190	18	2,412	17										
		Total	41	100	1,299	100	1,055	100	14,034	100											
f. Explained course material to one or more students	CLexplain	1	Never	2	5	25	2	9	1	290	2	2.9	2.9	-.01	3.0	-.16	2.9	-.06			
		2	Sometimes	10	25	410	32	275	26	4,111	29										
		3	Often	18	45	522	40	452	43	5,681	41										
		4	Very often	10	25	340	26	318	30	3,918	28										
		Total	40	100	1,297	100	1,054	100	14,000	100											

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

Seniors in Bio, Agric, & Nat Res

Seniors in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k							
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU	Great Lakes Public		Carnegie Class		NSSE 2013		
				Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	4	10	193	15	89	8	1,593	11	2.6	2.5	.14	2.8	-.16	2.7	-.03	
		2	Sometimes	17	41	511	39	347	33	4,918	35								
		3	Often	10	24	342	26	324	31	4,113	29								
		4	Very often	10	24	252	19	299	28	3,418	24								
		Total	41	100	1,298	100	1,059	100	14,042	100									
h. Worked with other students on course projects or assignments	CLproject	1	Never	0	0	70	5	27	3	702	5	2.7	2.8	-.06	3.0 *	-.33	2.8	-.13	
		2	Sometimes	17	41	450	35	286	27	4,632	33								
		3	Often	19	46	494	38	430	41	5,243	37								
		4	Very often	5	12	282	22	314	30	3,452	25								
		Total	41	100	1,296	100	1,057	100	14,029	100									
i. Gave a course presentation	present	1	Never	1	2	150	12	88	8	1,635	12	2.6	2.5	.14	2.7	-.07	2.6	.04	
		2	Sometimes	19	46	571	44	393	37	5,353	38								
		3	Often	16	39	374	29	351	33	4,405	31								
		4	Very often	5	12	203	16	225	21	2,639	19								
		Total	41	100	1,298	100	1,057	100	14,032	100									
2. During the current school year, about how often have you done the following?																			
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	0	0	21	2	15	1	318	2	3.2	3.0	.21	3.1	.15	3.0	.21	
		2	Sometimes	7	17	342	26	258	24	3,551	25								
		3	Often	19	46	516	40	423	40	5,708	41								
		4	Very often	15	37	417	32	364	34	4,489	32								
		Total	41	100	1,296	100	1,060	100	14,066	100									
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	3	7	85	7	61	6	882	6	2.8	2.7	.09	2.8	.01	2.7	.04	
		2	Sometimes	12	29	492	38	361	34	4,903	35								
		3	Often	17	41	438	34	390	37	5,066	36								
		4	Very often	9	22	276	21	245	23	3,155	23								
		Total	41	100	1,291	100	1,057	100	14,006	100									
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	6	15	194	15	131	12	1,923	14	2.3	2.4	-.04	2.5	-.18	2.5	-.14	
		2	Sometimes	18	44	602	47	438	41	5,872	42								
		3	Often	14	34	317	25	316	30	3,950	28								
		4	Very often	3	7	180	14	174	16	2,265	16								
		Total	41	100	1,293	100	1,059	100	14,010	100									

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

Seniors in Bio, Agric, & Nat Res

Seniors in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k					
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU	Great Lakes Public	Carnegie Class	NSSE 2013		
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	5	12	74	6	49	5	755	5	2.6	2.7	-.11	2.8	-.23	
		2	Sometimes	14	34	480	37	348	33	4,705	34						
		3	Often	14	34	503	39	421	40	5,635	40						
		4	Very often	8	20	237	18	238	23	2,920	21						
		Total	41	100	1,294	100	1,056	100	14,015	100							
e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	RIperspect	1	Never	1	2	55	4	42	4	550	4	2.7	2.8	-.08	2.9	-.18	
		2	Sometimes	17	41	422	33	304	29	4,185	30						
		3	Often	15	37	537	42	447	42	5,863	42						
		4	Very often	8	20	275	21	264	25	3,403	24						
		Total	41	100	1,289	100	1,057	100	14,001	100							
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	0	0	34	3	21	2	292	2	2.8	2.9	-.06	2.9	-.13	
		2	Sometimes	16	39	397	31	319	30	3,987	28						
		3	Often	16	39	547	42	421	40	5,994	43						
		4	Very often	9	22	310	24	296	28	3,717	27						
		Total	41	100	1,288	100	1,057	100	13,990	100							
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	0	0	11	1	7	1	115	1	3.4	3.2	.23	3.3	.18	
		2	Sometimes	4	10	201	16	158	15	2,117	15						
		3	Often	17	41	564	44	447	42	6,059	43						
		4	Very often	20	49	509	40	446	42	5,683	41						
		Total	41	100	1,285	100	1,058	100	13,974	100							
3. During the current school year, about how often have you done the following?																	
a. Talked about career plans with a faculty member	SFcareer	1	Never	6	15	197	15	100	9	1,780	13	2.4	2.5	-.08	2.7	-.31	2.6
		2	Sometimes	17	43	516	40	383	36	5,332	38						
		3	Often	12	30	340	26	320	30	3,799	27						
		4	Very often	5	13	239	18	255	24	3,123	22						
		Total	40	100	1,292	100	1,058	100	14,034	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	16	40	496	39	328	31	4,825	34	2.0	2.1	-.05	2.2	-.20	2.2
		2	Sometimes	12	30	382	30	335	32	4,204	30						
		3	Often	7	18	221	17	206	20	2,658	19						
		4	Very often	5	13	185	14	187	18	2,318	17						
		Total	40	100	1,284	100	1,056	100	14,005	100							

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

Seniors in Bio, Agric, & Nat Res

Seniors in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k							
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU	Great Lakes Public		Carnegie Class		NSSE 2013		
				Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	5	13	275	21	139	13	2,609	19	2.2	2.3	-.06	2.5 *	-.31	2.4	-.16	
		2	Sometimes	24	60	547	42	434	41	5,734	41								
		3	Often	8	20	300	23	288	27	3,413	24								
		4	Very often	3	8	167	13	197	19	2,246	16								
		Total	40	100	1,289	100	1,058	100	14,002	100									
d. Discussed your academic performance with a faculty member	SFperform	1	Never	9	23	323	25	177	17	2,978	21	2.1	2.1	-.11	2.4 *	-.35	2.3	-.22	
		2	Sometimes	24	60	577	45	463	44	6,198	44								
		3	Often	3	8	262	20	255	24	3,029	22								
		4	Very often	4	10	126	10	162	15	1,784	13								
		Total	40	100	1,288	100	1,057	100	13,989	100									
4. During the current school year, how much has your coursework emphasized the following?																			
a. Memorizing course material	memorize	1	Very little	2	5	32	2	30	3	415	3	3.0	3.1	-.14	3.1	-.15	3.1	-.13	
		2	Some	8	20	240	18	199	19	2,676	19								
		3	Quite a bit	18	44	541	42	414	39	5,585	40								
		4	Very much	13	32	485	37	413	39	5,355	38								
		Total	41	100	1,298	100	1,056	100	14,031	100									
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	1	3	39	3	23	2	309	2	3.2	3.1	.07	3.2	-.04	3.2	-.03	
		2	Some	6	15	265	20	183	17	2,320	17								
		3	Quite a bit	19	48	532	41	429	41	5,978	43								
		4	Very much	14	35	459	35	418	40	5,385	38								
		Total	40	100	1,295	100	1,053	100	13,992	100									
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	3	8	58	4	35	3	535	4	3.0	3.0	.01	3.1	-.10	3.1	-.07	
		2	Some	6	15	289	22	212	20	2,817	20								
		3	Quite a bit	18	45	514	40	398	38	5,576	40								
		4	Very much	13	33	429	33	398	38	5,018	36								
		Total	40	100	1,290	100	1,043	100	13,946	100									
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	4	10	106	8	59	6	937	7	2.7	2.8	-.09	2.9	-.26	2.9	-.21	
		2	Some	14	35	399	31	288	27	3,839	27								
		3	Quite a bit	13	33	486	38	397	38	5,362	38								
		4	Very much	9	23	300	23	309	29	3,823	27								
		Total	40	100	1,291	100	1,053	100	13,961	100									

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

Seniors in Bio, Agric, & Nat Res

Seniors in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU	Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	5	13	93	7	57	5	815	6	2.9	2.8	.08	2.9	-.08	2.9	-.05
		2	Some	5	13	380	30	265	25	3,615	26							
		3	Quite a bit	19	49	505	39	407	39	5,490	39							
		4	Very much	10	26	310	24	321	31	4,038	29							
		Total	39	100	1,288	100	1,050	100	13,958	100								
5. During the current school year, to what extent have your instructors done the following?																		
a. Clearly explained course goals and requirements	ETgoals	1	Very little	2	5	25	2	14	1	224	2	3.1	3.2	-.06	3.2	-.14	3.2	-.15
		2	Some	6	15	207	16	158	15	1,951	14							
		3	Quite a bit	16	41	581	45	455	43	6,168	44							
		4	Very much	15	38	486	37	432	41	5,734	41							
		Total	39	100	1,299	100	1,059	100	14,077	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	1	3	34	3	22	2	289	2	3.3	3.1	.29	3.2	.21	3.2	.20
		2	Some	2	5	244	19	170	16	2,159	15							
		3	Quite a bit	19	50	588	45	479	46	6,504	46							
		4	Very much	16	42	429	33	379	36	5,087	36							
		Total	38	100	1,295	100	1,050	100	14,039	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	2	5	34	3	23	2	268	2	3.4	3.2	.20	3.3	.13	3.3	.13
		2	Some	1	3	185	14	138	13	1,903	14							
		3	Quite a bit	16	42	541	42	424	40	5,621	40							
		4	Very much	19	50	531	41	466	44	6,231	44							
		Total	38	100	1,291	100	1,051	100	14,023	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	7	18	172	13	91	9	1,627	12	2.3	2.6	-.29	2.8 **	-.51	2.7 *	-.39
		2	Some	16	41	439	34	304	29	4,302	31							
		3	Quite a bit	12	31	398	31	380	36	4,624	33							
		4	Very much	4	10	284	22	279	26	3,465	25							
		Total	39	100	1,293	100	1,054	100	14,018	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	4	10	91	7	70	7	966	7	2.7	2.8	-.08	2.9	-.18	2.9	-.12
		2	Some	10	26	364	28	258	25	3,771	27							
		3	Quite a bit	17	44	526	41	421	40	5,620	40							
		4	Very much	8	21	311	24	298	28	3,628	26							
		Total	39	100	1,292	100	1,047	100	13,985	100								

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

Seniors in Bio, Agric, & Nat Res

Seniors in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU	Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
6. During the current school year, about how often have you done the following?																		
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	2	5	83	6	33	3	729	5	2.8	2.8	-.03	3.0	-.22	2.9	-.13
		2	Sometimes	15	38	394	30	279	26	3,858	27							
		3	Often	12	30	488	37	424	40	5,400	38							
		4	Very often	11	28	338	26	326	31	4,094	29							
		Total	40	100	1,303	100	1,062	100	14,081	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	5	13	201	15	117	11	2,004	14	2.6	2.5	.05	2.6	-.10	2.6	-.01
		2	Sometimes	15	38	485	37	368	35	4,921	35							
		3	Often	13	33	381	29	356	34	4,368	31							
		4	Very often	7	18	235	18	219	21	2,783	20							
		Total	40	100	1,302	100	1,060	100	14,076	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	6	15	146	11	89	8	1,417	10	2.6	2.6	.03	2.7	-.13	2.7	-.04
		2	Sometimes	12	30	476	37	338	32	4,849	35							
		3	Often	13	33	433	33	389	37	4,777	34							
		4	Very often	9	23	242	19	242	23	2,991	21							
		Total	40	100	1,297	100	1,058	100	14,034	100								
7. During the current school year, about how many papers, reports, or other writing tasks of the following length have you been assigned? (Include those not yet completed.)																		
a. Up to 5 pages	wrshortnum (Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	0	None	5	13	84	7	45	4	817	6	6.7	6.8	-.03	6.9	-.04	7.2	-.08
		1.5	1-2	9	24	286	23	209	20	2,895	21							
		4	3-5	8	21	357	28	354	35	3,909	29							
		8	6-10	8	21	251	20	195	19	2,869	21							
		13	11-15	3	8	145	11	94	9	1,439	11							
		18	16-20	2	5	65	5	52	5	769	6							
		23	More than 20	3	8	74	6	71	7	986	7							
		Total	38	100	1,262	100	1,020	100	13,684	100								
b. Between 6 and 10 pages	wrmednum (Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	0	None	3	8	292	23	198	20	3,015	22	4.2	2.8 *	.37	2.9 *	.39	3.0 *	.33
		1.5	1-2	14	35	521	42	427	42	5,328	40							
		4	3-5	17	43	295	24	266	26	3,397	25							
		8	6-10	2	5	91	7	77	8	1,142	8							
		13	11-15	3	8	28	2	27	3	372	3							
		18	16-20	0	0	14	1	7	1	127	1							
		23	More than 20	1	3	10	1	4	0	99	1							
		Total	40	100	1,251	100	1,006	100	13,480	100								

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

Seniors in Bio, Agric, & Nat Res

Seniors in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k							
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
c. 11 pages or more	wrlongnum	0	None	17	44	567	47	458	47	6,144	47	2.0	1.4	.21	1.6	.15	1.6	.14	
		1.5	1-2	15	38	495	41	369	38	5,076	39								
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	4	3-5	4	10	105	9	109	11	1,278	10								
		8	6-10	2	5	23	2	20	2	339	3								
		13	11-15	0	0	11	1	20	2	145	1								
		18	16-20	0	0	4	0	5	1	64	0								
		23	More than 20	1	3	7	1	2	0	100	1								

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

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Seniors in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k							
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ^j	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
9. During the current school year, about how often have you done the following?																			
a. Identified key information from reading assignments	LSreading	1	Never	0	0	22	2	11	1	193	1	3.2	3.2	.00	3.3	-.12	3.3	-.09	
		2	Sometimes	7	17	200	15	140	13	1,902	14								
		3	Often	17	41	508	39	389	37	5,254	37								
		4	Very often	17	41	563	44	516	49	6,693	48								
			Total	41	100	1,293	100	1,056	100	14,042	100								
b. Reviewed your notes after class	LSnotes	1	Never	6	15	77	6	59	6	777	6	2.7	3.0 *	-.32	3.0 *	-.40	3.0 *	-.34	
		2	Sometimes	13	33	362	28	273	26	3,968	28								
		3	Often	10	25	401	31	301	29	4,198	30								
		4	Very often	11	28	454	35	421	40	5,069	36								
			Total	40	100	1,294	100	1,054	100	14,012	100								
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	2	5	83	6	79	8	803	6	2.8	2.9	-.10	2.9	-.14	2.9	-.16	
		2	Sometimes	13	33	374	29	270	26	3,804	27								
		3	Often	16	40	429	33	346	33	4,701	34								
		4	Very often	9	23	405	31	356	34	4,613	33								
			Total	40	100	1,291	100	1,051	100	13,921	100								
10. During the current school year, to what extent have your courses challenged you to do your best work?																			
challenge		1	Not at all	0	0	8	1	4	0	60	0	5.7	5.6	.08	5.7	-.06	5.7	-.04	
		2		0	0	23	2	14	1	157	1								
		3		4	10	31	2	19	2	330	2								
		4		2	5	113	9	77	7	1,058	8								
		5		8	20	384	30	290	27	3,792	27								
		6		17	41	470	36	364	34	4,982	35								
		7	Very much	10	24	270	21	291	27	3,686	26								
			Total	41	100	1,299	100	1,059	100	14,065	100								

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

Seniors in Bio, Agric, & Nat Res

Frequency Distributions^a

Statistical Comparisons^k

Bio, Agric, & Nat Res				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013		
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
11. Which of the following have you done or do you plan to do before you graduate? ^o																				
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern		Have not decided	4	10	99	8	95	9	976	7	32%	47%	-.31	51% *	-.40	55% **	-.47		
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	6	15	288	22	170	16	2,289	16										
	Plan to do	18	44	302	23	249	24	3,118	22											
	Done or in progress	13	32	604	47	543	51	7,670	55											
	Total	41	100	1,293	100	1,057	100	14,053	100											
b. Hold a formal leadership role in a student organization or group	leader		Have not decided	2	5	90	7	75	7	1,108	8	39%	41%	-.03	43%	-.07	45%	-.13		
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	21	51	606	47	461	44	5,667	40										
	Plan to do	2	5	75	6	71	7	906	6											
	Done or in progress	16	39	525	41	449	43	6,341	45											
	Total	41	100	1,296	100	1,056	100	14,022	100											
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom		Have not decided	2	5	110	9	116	11	1,456	10	20%	24%	-.12	25%	-.12	26%	-.15		
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	26	63	793	61	606	57	7,947	57										
	Plan to do	5	12	74	6	75	7	992	7											
	Done or in progress	8	20	317	24	259	25	3,624	26											
	Total	41	100	1,294	100	1,056	100	14,019	100											
d. Participate in a study abroad program	abroad		Have not decided	7	17	111	9	134	13	1,415	10	20%	15%	.11	15%	.12	18%	.03		
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	20	49	890	69	694	66	8,955	64										
	Plan to do	6	15	92	7	73	7	1,081	8											
	Done or in progress	8	20	197	15	157	15	2,542	18											
	Total	41	100	1,290	100	1,058	100	13,993	100											
e. Work with a faculty member on a research project	research		Have not decided	7	17	134	10	101	10	1,380	10	29%	44%	-.31	48% *	-.39	47% *	-.37		
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	16	39	395	31	290	28	3,991	29										
	Plan to do	6	15	189	15	152	14	2,034	15											
	Done or in progress	12	29	572	44	507	48	6,566	47											
	Total	41	100	1,290	100	1,050	100	13,971	100											
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone		Have not decided	6	15	82	6	61	6	1,160	8	22%	55% ***	-.69	53% ***	-.66	48% ***	-.56		
	(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	13	32	256	20	202	19	3,384	24										
	Plan to do	13	32	244	19	227	22	2,736	20											
	Done or in progress	9	22	709	55	559	53	6,717	48											
	Total	41	100	1,291	100	1,049	100	13,997	100											

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Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

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Seniors in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k									
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013			
Item wording or description	Variable name ^j	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ			
12. About how many of your courses at this institution have included a community-based project (service-learning)?																					
	servcourse	1	None	17	43	696	54	394	37	6,101	44	1.6	1.5	.14	1.7	-.20	1.6	-.07			
		2	Some	23	58	551	43	594	56	7,234	52										
		3	Most	0	0	45	3	58	5	614	4										
		4	All	0	0	1	0	9	1	69	0										
		Total		40	100	1,293	100	1,055	100	14,018	100										
13. Indicate the quality of your interactions with the following people at your institution.																					
a. Students	QIstudent	1	Poor	1	2	14	1	8	1	147	1	5.6	5.6	.02	5.8	-.14	5.7	-.10			
		2		0	0	20	2	14	1	202	1										
		3		1	2	66	5	41	4	503	4										
		4		5	12	138	11	75	7	1,185	8										
		5		11	27	297	23	222	21	3,065	22										
		6		11	27	416	32	368	35	4,564	32										
		7	Excellent	12	29	348	27	331	31	4,361	31										
		—	Not applicable	0	0	1	0	2	0	51	0										
		Total		41	100	1,300	100	1,061	100	14,078	100										
b. Academic advisors	QIadvisor	1	Poor	4	10	89	7	39	4	726	5	4.7	4.9	-.12	5.4 **	-.47	5.2	-.28			
		2		1	2	98	8	45	4	794	6										
		3		5	12	111	9	63	6	1,103	8										
		4		8	20	168	13	101	10	1,641	12										
		5		9	22	236	18	195	18	2,473	18										
		6		5	12	270	21	235	22	2,972	21										
		7	Excellent	9	22	305	24	373	35	4,228	30										
		—	Not applicable	0	0	20	2	6	1	129	1										
		Total		41	100	1,297	100	1,057	100	14,066	100										
c. Faculty	QIfaculty	1	Poor	1	2	17	1	15	1	191	1	5.4	5.5	-.03	5.7	-.24	5.6	-.10			
		2		0	0	29	2	15	1	299	2										
		3		1	2	63	5	29	3	626	4										
		4		4	10	145	11	85	8	1,403	10										
		5		12	29	306	24	217	21	3,015	22										
		6		18	44	413	32	353	34	4,470	32										
		7	Excellent	5	12	312	24	336	32	3,929	28										
		—	Not applicable	0	0	1	0	2	0	53	0										
		Total		41	100	1,286	100	1,052	100	13,986	100										

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				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ^j	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
d. Student services staff (career services, student activities, housing, etc.)	Qlstaff	1	Poor	2	5	59	5	43	4	741	5	4.5	4.7	-.11	4.8	-.17	4.8	-.15	
		2		3	8	80	6	60	6	758	5								
		3		3	8	97	8	87	8	1,062	8								
		4		9	23	182	14	150	14	2,024	14								
		5		10	25	262	20	233	22	2,911	21								
		6		10	25	230	18	204	19	2,695	19								
		7	Excellent	2	5	164	13	154	15	2,119	15								
		—	Not applicable	1	3	215	17	127	12	1,688	12								
	Total	40	100	1,289	100	1,058	100	13,998	100										
e. Other administrative staff and offices (registrar, financial aid, etc.)	Qladmin	1	Poor	3	7	82	6	76	7	847	6	4.6	4.6	-.04	4.8	-.12	4.8	-.10	
		2		3	7	95	7	56	5	895	6								
		3		3	7	118	9	85	8	1,224	9								
		4		7	17	217	17	166	16	2,251	16								
		5		10	24	260	20	236	22	3,172	23								
		6		11	27	290	22	257	24	2,991	21								
		7	Excellent	3	7	170	13	165	16	2,195	16								
		—	Not applicable	1	2	64	5	21	2	475	3								
	Total	41	100	1,296	100	1,062	100	14,050	100										
14. How much does your institution emphasize the following?																			
a. Spending significant amounts of time studying and on academic works	empstudy	1	Very little	4	10	23	2	15	1	213	2	2.8	3.2 **	-.47	3.3 ***	-.66	3.3 ***	-.60	
		2	Some	8	20	200	16	120	11	1,813	13								
		3	Quite a bit	20	49	571	44	440	42	5,842	42								
		4	Very much	9	22	491	38	478	45	6,126	44								
			Total	41	100	1,285	100	1,053	100	13,994	100								
b. Providing support to help students succeed academically	SEacademic	1	Very little	3	7	65	5	32	3	548	4	2.8	3.0	-.16	3.1	-.31	3.0	-.26	
		2	Some	7	17	294	23	207	20	2,868	21								
		3	Quite a bit	25	61	546	43	452	43	5,860	42								
		4	Very much	6	15	375	29	351	34	4,637	33								
			Total	41	100	1,280	100	1,042	100	13,913	100								
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	2	5	89	7	59	6	812	6	2.9	2.9	-.04	3.0	-.13	3.0	-.13	
		2	Some	9	22	318	25	238	23	3,074	22								
		3	Quite a bit	22	54	490	38	397	38	5,430	39								
		4	Very much	8	20	381	30	347	33	4,608	33								
			Total	41	100	1,278	100	1,041	100	13,924	100								

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				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013	
				Item wording or description	Variable name ^j	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	13	33	256	20	206	20	2,375	17	1.9	2.4 ***	-.48	2.5 ***	-.55	2.5 ***	-.59	
		2	Some	18	45	474	37	334	32	4,823	35								
		3	Quite a bit	8	20	356	28	293	28	3,999	29								
		4	Very much	1	3	197	15	210	20	2,757	20								
		Total	40	100	1,283	100	1,043	100	13,954	100									
e. Providing opportunities to be involved socially	SEsocial	1	Very little	2	5	95	7	72	7	944	7	2.9	2.8	.01	2.9	-.05	2.9	-.08	
		2	Some	11	27	342	27	270	26	3,324	24								
		3	Quite a bit	19	46	521	41	390	37	5,494	39								
		4	Very much	9	22	328	26	313	30	4,197	30								
		Total	41	100	1,286	100	1,045	100	13,959	100									
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	5	13	117	9	95	9	1,138	8	2.7	2.8	-.16	2.8	-.21	2.9	-.24	
		2	Some	12	30	350	27	258	25	3,468	25								
		3	Quite a bit	15	38	498	39	405	39	5,327	38								
		4	Very much	8	20	318	25	290	28	3,996	29								
		Total	40	100	1,283	100	1,048	100	13,929	100									
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	19	46	481	38	352	34	4,539	33	1.8	2.0	-.18	2.0	-.28	2.1 *	-.31	
		2	Some	13	32	481	38	399	38	5,180	37								
		3	Quite a bit	8	20	222	17	199	19	2,789	20								
		4	Very much	1	2	98	8	99	9	1,432	10								
		Total	41	100	1,282	100	1,049	100	13,940	100									
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	3	7	126	10	82	8	1,278	9	2.7	2.7	.06	2.8	-.06	2.8	-.09	
		2	Some	12	29	439	34	325	31	3,911	28								
		3	Quite a bit	20	49	467	36	407	39	5,180	37								
		4	Very much	6	15	251	20	237	23	3,555	26								
		Total	41	100	1,283	100	1,051	100	13,924	100									
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	3	7	212	17	162	16	2,105	15	2.6	2.4	.23	2.5	.07	2.5	.09	
		2	Some	15	37	533	42	373	36	5,097	37								
		3	Quite a bit	19	46	375	29	320	31	4,344	31								
		4	Very much	4	10	162	13	190	18	2,359	17								
		Total	41	100	1,282	100	1,045	100	13,905	100									

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Seniors in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU	Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
15. About how many hours do you spend in a typical 7-day week doing the following?																		
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs (Recoded version of tmprep created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	0	0	4	0	3	0	27	0	14.5	15.7	-.15	16.1	-.19	16.6	-.24
		3	1-5 hrs	4	10	136	11	98	9	1,338	10							
		8	6-10 hrs	12	29	265	21	215	20	2,741	20							
		13	11-15 hrs	8	20	285	22	223	21	2,774	20							
		18	16-20 hrs	9	22	250	19	209	20	2,724	19							
		23	21-25 hrs	3	7	149	12	140	13	1,786	13							
		28	26-30 hrs	3	7	96	7	74	7	1,181	8							
		33	More than 30 hrs	2	5	103	8	91	9	1,438	10							
		Total	41	100	1,288	100	1,053	100	14,009	100								
b. Participating in co- curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs (Recoded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	13	33	495	39	352	34	4,609	33	4.8	4.3	.07	5.2	-.06	5.3	-.08
		3	1-5 hrs	18	45	473	37	385	37	4,855	35							
		8	6-10 hrs	4	10	153	12	141	13	2,079	15							
		13	11-15 hrs	2	5	78	6	67	6	1,098	8							
		18	16-20 hrs	1	3	40	3	56	5	649	5							
		23	21-25 hrs	0	0	20	2	24	2	323	2							
		28	26-30 hrs	1	3	8	1	9	1	145	1							
		33	More than 30 hrs	1	3	15	1	14	1	166	1							
		Total	40	100	1,282	100	1,048	100	13,924	100								
c. Working for pay on campus	tmworkonhrs (Recoded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	31	76	837	65	611	58	8,214	59	2.9	4.5	-.21	4.9 *	-.27	4.9 *	-.27
		3	1-5 hrs	2	5	59	5	83	8	1,036	7							
		8	6-10 hrs	2	5	127	10	138	13	1,800	13							
		13	11-15 hrs	3	7	107	8	90	9	1,245	9							
		18	16-20 hrs	2	5	96	7	88	8	1,119	8							
		23	21-25 hrs	1	2	30	2	24	2	286	2							
		28	26-30 hrs	0	0	15	1	10	1	125	1							
		33	More than 30 hrs	0	0	11	1	7	1	146	1							
		Total	41	100	1,282	100	1,051	100	13,971	100								

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

Seniors in Bio, Agric, & Nat Res

Seniors in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU	Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	24	59	621	49	549	52	7,753	56	9.7	9.9	-.02	8.1	.15	7.8	.17
		3	1-5 hrs	1	2	65	5	64	6	821	6							
	(Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	8	6-10 hrs	0	0	75	6	78	7	941	7							
		13	11-15 hrs	1	2	92	7	85	8	898	6							
		18	16-20 hrs	2	5	131	10	102	10	1,149	8							
		23	21-25 hrs	7	17	105	8	68	7	774	6							
		28	26-30 hrs	3	7	80	6	40	4	563	4							
		33	More than 30 hrs	3	7	109	9	60	6	976	7							
		Total	41	100	1,278	100	1,046	100	13,875	100								
e. Doing community service or volunteer work	tmervicehrs	0	0 hrs	23	56	609	48	480	46	5,939	43	2.0	2.6	-.13	2.7	-.15	3.0	-.21
		3	1-5 hrs	14	34	526	41	432	41	5,869	42							
	(Recoded version of tmervice created by NSSE. Values are estimated number of hours per week.)	8	6-10 hrs	3	7	77	6	82	8	1,276	9							
		13	11-15 hrs	0	0	31	2	30	3	415	3							
		18	16-20 hrs	1	2	23	2	10	1	197	1							
		23	21-25 hrs	0	0	7	1	4	0	73	1							
		28	26-30 hrs	0	0	2	0	1	0	31	0							
		33	More than 30 hrs	0	0	2	0	4	0	59	0							
		Total	41	100	1,277	100	1,043	100	13,859	100								
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	0	0	30	2	15	1	285	2	12.5	11.5	.12	10.9	.21	11.1	.18
		3	1-5 hrs	7	18	282	22	270	26	3,531	25							
	(Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	8	6-10 hrs	14	35	376	29	318	30	4,023	29							
		13	11-15 hrs	7	18	266	21	204	19	2,763	20							
		18	16-20 hrs	6	15	151	12	128	12	1,590	11							
		23	21-25 hrs	2	5	86	7	53	5	824	6							
		28	26-30 hrs	2	5	31	2	23	2	324	2							
		33	More than 30 hrs	2	5	57	4	37	4	569	4							
		Total	40	100	1,279	100	1,048	100	13,909	100								

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

Seniors in Bio, Agric, & Nat Res

Seniors in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k							
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
g. Providing care for dependents (children, parents, etc.)	tmcarehrs (Recoded version of tmcare created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	32	80	968	76	792	76	10,408	75	2.5	3.1	-.07	3.4	-.11	3.3	-.10	
		3	1-5 hrs	1	3	123	10	94	9	1,389	10								
		8	6-10 hrs	4	10	54	4	41	4	596	4								
		13	11-15 hrs	0	0	31	2	24	2	341	2								
		18	16-20 hrs	2	5	22	2	15	1	259	2								
		23	21-25 hrs	0	0	11	1	9	1	117	1								
		28	26-30 hrs	1	3	4	0	9	1	97	1								
		33	More than 30 hrs	0	0	58	5	57	5	676	5								
		Total	40	100	1,271	100	1,041	100	13,883	100									
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs (Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	5	12	117	9	174	17	2,518	18	4.1	4.9	-.17	4.1	-.01	4.4	-.07	
		3	1-5 hrs	28	68	805	63	665	63	8,045	58								
		8	6-10 hrs	5	12	254	20	142	13	2,266	16								
		13	11-15 hrs	2	5	74	6	39	4	707	5								
		18	16-20 hrs	1	2	12	1	16	2	211	2								
		23	21-25 hrs	0	0	12	1	8	1	82	1								
		28	26-30 hrs	0	0	5	0	3	0	50	0								
		33	More than 30 hrs	0	0	8	1	5	0	94	1								
		Total	41	100	1,287	100	1,052	100	13,973	100									
Estimated number of hours working for pay	tmworkhrs (Continuous variable created by NSSE)											12.6	14.3	-.14	12.9	-.03	12.6	.00	
16. Of the time you spend preparing for class in a typical 7-day week, about how many hours are on assigned reading?																			
	tmreadhrs (Recoded version of tmread created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	0	0	90	7	50	5	680	5	5.6	5.9	-.06	6.6	-.19	6.8	-.21	
		3	1-5 hrs	27	66	703	54	522	50	6,916	49								
		8	6-10 hrs	8	20	319	25	300	28	3,802	27								
		13	11-15 hrs	5	12	114	9	104	10	1,509	11								
		18	16-20 hrs	1	2	36	3	49	5	637	5								
		23	21-25 hrs	0	0	15	1	16	2	281	2								
		28	26-30 hrs	0	0	5	0	7	1	90	1								
		33	More than 30 hrs	0	0	9	1	5	0	112	1								
	Total	41	100	1,291	100	1,053	100	14,027	100										

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

Seniors in Bio, Agric, & Nat Res

Seniors in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU	Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?																		
a. Writing clearly and effectively	pgwrite	1	Very little	2	5	106	8	68	6	904	6	2.9	2.9	.03	2.9	.00	3.0	-.05
		2	Some	11	27	320	25	265	25	3,157	23							
		3	Quite a bit	16	39	457	35	394	37	5,341	38							
		4	Very much	12	29	406	31	324	31	4,620	33							
		Total	41	100	1,289	100	1,051	100	14,022	100								
b. Speaking clearly and effectively	pgspeak	1	Very little	4	10	131	10	75	7	1,172	8	2.7	2.8	-.13	2.9	-.23	2.9	-.23
		2	Some	14	34	367	29	286	27	3,585	26							
		3	Quite a bit	15	37	430	34	392	37	5,113	37							
		4	Very much	8	20	353	28	296	28	4,106	29							
		Total	41	100	1,281	100	1,049	100	13,976	100								
c. Thinking critically and analytically	pgthink	1	Very little	1	2	35	3	23	2	320	2	3.4	3.3	.20	3.4	.05	3.3	.10
		2	Some	3	7	183	14	92	9	1,589	11							
		3	Quite a bit	15	37	491	38	399	38	5,170	37							
		4	Very much	22	54	577	45	531	51	6,913	49							
		Total	41	100	1,286	100	1,045	100	13,992	100								
d. Analyzing numerical and statistical information	pganalyze	1	Very little	3	7	58	5	44	4	609	4	2.9	3.0	-.09	3.1	-.25	3.1	-.18
		2	Some	11	27	299	23	187	18	2,870	21							
		3	Quite a bit	13	32	503	39	394	38	5,287	38							
		4	Very much	14	34	423	33	422	40	5,212	37							
		Total	41	100	1,283	100	1,047	100	13,978	100								
e. Acquiring job- or work- related knowledge and skills	pgwork	1	Very little	5	13	159	12	92	9	1,526	11	2.7	2.8	-.08	2.9	-.19	2.8	-.15
		2	Some	11	28	350	27	292	28	3,641	26							
		3	Quite a bit	16	40	430	33	341	33	4,672	33							
		4	Very much	8	20	350	27	323	31	4,161	30							
		Total	40	100	1,289	100	1,048	100	14,000	100								
f. Working effectively with others	pgothers	1	Very little	4	10	62	5	43	4	758	5	2.7	2.9	-.25	3.0 *	-.40	3.0 *	-.31
		2	Some	9	22	336	26	223	21	3,252	23							
		3	Quite a bit	23	56	520	41	426	41	5,455	39							
		4	Very much	5	12	361	28	357	34	4,501	32							
		Total	41	100	1,279	100	1,049	100	13,966	100								

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Agric, & Nat Res

Northern Michigan University

Seniors in Bio, Agric, & Nat Res

Seniors in Bio, Agric, & Nat Res				Frequency Distributions ^a								Statistical Comparisons ^k							
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 2013	
Item wording or description	Variable name ⁱ	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	6	15	226	18	132	13	1,989	14	2.6	2.5	.08	2.8	-.14	2.7	-.09	
		2	Some	10	24	405	32	274	26	3,780	27								
		3	Quite a bit	18	44	374	29	344	33	4,346	31								
		4	Very much	7	17	279	22	299	29	3,857	28								
		Total	41	100	1,284	100	1,049	100	13,972	100									
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	9	22	197	15	152	15	1,955	14	2.3	2.5	-.25	2.6 *	-.35	2.7 *	-.36	
		2	Some	18	44	460	36	319	30	4,360	31								
		3	Quite a bit	7	17	364	28	322	31	4,248	30								
		4	Very much	7	17	265	21	253	24	3,430	25								
		Total	41	100	1,286	100	1,046	100	13,993	100									
i. Solving complex real- world problems	pgprobsolve	1	Very little	7	17	163	13	89	8	1,415	10	2.4	2.7	-.22	2.8 **	-.43	2.8 *	-.33	
		2	Some	15	37	403	31	279	27	4,150	30								
		3	Quite a bit	13	32	442	34	394	38	4,900	35								
		4	Very much	6	15	279	22	286	27	3,527	25								
		Total	41	100	1,287	100	1,048	100	13,992	100									
j. Being an informed and active citizen	pgcitizen	1	Very little	6	15	203	16	116	11	1,885	14	2.5	2.5	-.02	2.7	-.21	2.7	-.15	
		2	Some	13	32	441	34	315	30	4,262	31								
		3	Quite a bit	17	41	397	31	362	35	4,555	33								
		4	Very much	5	12	242	19	248	24	3,234	23								
		Total	41	100	1,283	100	1,041	100	13,936	100									
18. How would you evaluate your entire educational experience at this institution?																			
				evalexp															
				1	Poor	2	5	44	3	23	2	3.1	3.2	-.06	3.3	-.23	3.3	-.22	
				2	Fair	3	7	161	12	99	9								
				3	Good	24	59	623	48	480	46								
				4	Excellent	12	29	467	36	451	43								
				Total	41	100	1,295	100	1,053	100	14,036								100
19. If you could start over again, would you go to the same <i>institution</i> you are now attending?																			
				sameinst															
				1	Definitely no	3	7	71	5	47	4	3.2	3.1	.14	3.2	.00	3.2	.04	
				2	Probably no	3	7	196	15	134	13								
				3	Probably yes	16	39	532	41	392	37								
				4	Definitely yes	19	46	496	38	481	46								
				Total	41	100	1,295	100	1,054	100	14,051								100

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Bio, Agric, & Nat Res

Northern Michigan University

Bio, Agric, & Nat Res

				First-Year Students ^a								Seniors ^a							
				NMU		Great Lakes		Carnegie Class		NSSE 2013		NMU		Great Lakes		Carnegie Class		NSSE 20	
Item wording or description	Variable name	Response options		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	
20. What is your class level?	class	Freshman/First-year		34	100	1,047	91	868	89	10,610	90	0	0	0	0	1	0	11	
		Sophomore		0	0	92	8	90	9	982	8	0	0	9	1	4	0	89	
		Junior		0	0	8	1	9	1	110	1	0	0	84	6	83	8	1,204	
		Senior		0	0	3	0	1	0	33	0	41	100	1,172	90	948	89	12,537	
		Unclassified		0	0	5	0	5	1	57	0	0	0	35	3	26	2	274	
		Total		34	100	1,155	100	973	100	11,792	100	41	100	1,300	100	1,062	100	14,115	
21. Thinking about this current academic term, are you a full-time student?	fulltime	No		0	0	20	2	32	3	253	2	6	15	205	16	118	11	1,718	
		Yes		34	100	1,133	98	939	97	11,502	98	35	85	1,092	84	944	89	12,359	
		Total		34	100	1,153	100	971	100	11,755	100	41	100	1,297	100	1,062	100	14,077	
22a. How many courses are you taking for credit this current academic term?	coursenum	0		0	0	7	1	3	0	46	0	1	2	23	2	34	3	276	
		1		0	0	5	0	3	0	35	0	1	2	25	2	22	2	236	
		2		0	0	5	0	13	1	84	1	3	7	62	5	30	3	597	
		3		3	9	41	4	18	2	431	4	10	24	139	11	84	8	1,386	
		4		21	62	430	37	222	23	3,333	28	16	39	401	31	301	28	4,422	
		5		5	15	415	36	385	40	4,134	35	7	17	377	29	350	33	4,010	
		6		2	6	150	13	174	18	2,122	18	3	7	157	12	141	13	1,740	
		7 or more		3	9	101	9	154	16	1,604	14	0	0	117	9	100	9	1,452	
		Total		34	100	1,154	100	972	100	11,789	100	41	100	1,301	100	1,062	100	14,119	
b. Of these, how many are entirely online?	onlinenum	0		34	100	1,054	92	883	92	10,684	91	31	78	1,114	87	896	87	11,750	
		1		0	0	71	6	58	6	775	7	9	23	125	10	103	10	1,445	
		2		0	0	12	1	9	1	138	1	0	0	25	2	24	2	372	
		3		0	0	1	0	8	1	46	0	0	0	9	1	5	0	129	
		4		0	0	1	0	2	0	29	0	0	0	3	0	0	0	61	
		5		0	0	1	0	1	0	14	0	0	0	1	0	0	0	12	
		6		0	0	0	0	0	0	8	0	0	0	1	0	1	0	21	
		7 or more		0	0	1	0	1	0	10	0	0	0	0	0	0	0	26	
		Total		34	100	1,141	100	962	100	11,704	100	40	100	1,278	100	1,029	100	13,816	
Student taking all courses online	allonline (Based on responses to coursenum and onlinenum.)	No		34	100	1,145	100	957	99	11,655	99	41	100	1,287	99	1,054	99	13,845	
		Yes		0	0	3	0	7	1	88	1	0	0	11	1	6	1	223	
		Total		34	100	1,148	100	964	100	11,743	100	41	100	1,298	100	1,060	100	14,068	

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Bio, Agric, & Nat Res

Northern Michigan University

Bio, Agric, & Nat Res

				First-Year Students ^a								Seniors ^a							
				NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 20	
Item wording or description	Variable name	Response options		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	
23a. How many majors do you plan to complete? (Do not count minors.)	MAJnum	One		31	91	1,041	90	845	87	10,260	87	37	90	1,136	87	930	87	12,275	
		More than one		3	9	114	10	128	13	1,551	13	4	10	166	13	133	13	1,858	
		Total		34	100	1,155	100	973	100	11,811	100	41	100	1,302	100	1,063	100	14,133	
First major or expected first major, in NSSE's default major field categories. (This does not reflect any customization made for the Major Field Report.)	MAJfirstcol (Recoded from MAJfirst.)	Arts & Humanities		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Biological Sci., Agriculture, & Natural Resources		34	100	1,155	100	973	100	11,811	100	41	100	1,303	100	1,064	100	14,137	
		Physical Sci., Mathematics, & Computer Science		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Social Sciences		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Business		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Communications, Media, & Public Relations		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Education		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Engineering		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Health professions		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Social service professions		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		All other		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Undecided/undeclared		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Total		34	100	1,155	100	973	100	11,811	100	41	100	1,303	100	1,064	100	14,137	
Second major or expected second major, in NSSE's default major field categories. (This does not reflect any customization made for the Major Field Report.)	MAJsecondcol (Recoded from MAJsecond.)	Arts & Humanities		0	0	14	12	34	27	341	22	3	75	26	16	20	15	342	
		Biological Sci., Agriculture, & Natural Resources		1	33	32	28	18	14	300	19	0	0	48	29	40	30	442	
		Physical Sci., Mathematics, & Computer Science		0	0	15	13	25	20	236	15	0	0	22	13	21	16	241	
		Social Sciences		1	33	17	15	13	10	294	19	1	25	27	16	24	18	380	
		Business		0	0	5	4	4	3	62	4	0	0	4	2	4	3	64	
		Communications, Media, & Public Relations		0	0	1	1	2	2	19	1	0	0	2	1	0	0	17	
		Education		0	0	3	3	6	5	50	3	0	0	9	5	3	2	69	
		Engineering		0	0	1	1	1	1	19	1	0	0	5	3	0	0	29	
		Health professions		0	0	22	19	17	13	148	10	0	0	14	8	15	11	167	
		Social service professions		0	0	1	1	2	2	33	2	0	0	3	2	5	4	38	
		All other		1	33	0	0	2	2	13	1	0	0	3	2	0	0	52	
		Undecided, undeclared		0	0	3	3	4	3	30	2	0	0	2	1	0	0	10	
		Total		3	100	114	100	128	100	1,545	100	4	100	165	100	132	100	1,851	

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Bio, Agric, & Nat Res

Northern Michigan University

Bio, Agric, & Nat Res

			First-Year Students ^a								Seniors ^a							
			NMU		Great Lakes		Carnegie Class		NSSE 2013		NMU		Great Lakes		Carnegie Class		NSSE 20	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
24. What have most of your grades been up to now at this institution?	grades	C- or lower	0	0	15	1	9	1	181	2	1	3	5	0	0	0	54	
		C	1	3	37	3	39	4	336	3	1	3	32	2	25	2	287	
		C+	1	3	71	6	56	6	559	5	2	5	60	5	48	5	605	
		B-	2	6	89	8	73	8	798	7	3	8	107	8	93	9	997	
		B	7	21	210	18	162	17	2,059	17	6	15	272	21	238	22	2,890	
		B+	7	21	212	18	209	22	2,177	18	11	28	241	19	192	18	2,673	
		A-	4	12	221	19	188	19	2,402	20	11	28	246	19	229	22	2,775	
		A	12	35	299	26	232	24	3,270	28	5	13	338	26	237	22	3,830	
		Total	34	100	1,154	100	968	100	11,782	100	40	100	1,301	100	1,062	100	14,111	
25. Did you begin college at this institution or elsewhere?	begincol	Started here	34	100	1,084	94	898	93	10,943	93	30	73	805	62	639	60	9,097	
		Started elsewhere	0	0	68	6	72	7	833	7	11	27	494	38	423	40	5,001	
		Total	34	100	1,152	100	970	100	11,776	100	41	100	1,299	100	1,062	100	14,098	
26. Since graduating from high school, which of the following types of schools have you attended <i>other than</i> the one you are now attending? (Select all that apply.)	attend_voc	Vocational or technical school	0	0	38	3	34	4	269	2	0	0	68	5	68	6	703	
	attend_com	Community or junior college	1	3	69	6	43	4	851	7	14	34	476	37	393	37	4,830	
	attend_col	4-year college or university other than this one	2	6	59	5	72	7	832	7	6	15	318	25	258	24	3,396	
	attend_none	None	29	88	975	85	812	84	9,727	83	23	56	586	45	487	46	6,835	
	attend_other	Other	1	3	37	3	30	3	370	3	1	2	43	3	22	2	457	
27. What is the highest level of education you ever expect to complete?	edaspire	Some college but less than a bachelor's	1	3	34	3	24	2	302	3	2	5	32	2	22	2	307	
		Bachelor's degree	7	21	176	15	185	19	1,669	14	14	35	275	21	243	23	2,378	
		Master's degree	12	35	236	21	198	21	2,403	20	15	38	387	30	301	28	3,713	
		Doctoral or professional degree	14	41	703	61	558	58	7,363	63	9	23	603	46	495	47	7,668	
		Total	34	100	1,149	100	965	100	11,737	100	40	100	1,297	100	1,061	100	14,066	

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Bio, Agric, & Nat Res

Northern Michigan University

Bio, Agric, & Nat Res

			First-Year Students ^a								Seniors ^a							
			NMU		Great Lakes		Carnegie Class		NSSE 2013		NMU		Great Lakes		Carnegie Class		NSSE 20	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
28. What is the highest level of education completed by either of your parents (or those who raised you)?	parented	Did not finish high school	0	0	26	2	51	5	438	4	0	0	20	2	43	4	456	
		High school diploma or G.E.D.	7	21	187	16	170	18	1,740	15	2	5	237	18	169	16	2,146	
		Attended college, but did not complete degree	5	15	135	12	116	12	1,239	11	4	10	124	10	118	11	1,319	
		Associate's degree (A.A., A.S., etc.)	6	18	149	13	112	12	1,190	10	7	17	191	15	145	14	1,505	
		Bachelor's degree (B.A., B.S., etc.)	10	29	320	28	260	27	3,318	28	20	49	360	28	294	28	3,970	
		Master's degree (M.A., M.S., etc.)	3	9	228	20	155	16	2,494	21	5	12	239	18	201	19	2,922	
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	3	9	103	9	102	11	1,327	11	3	7	126	10	85	8	1,768	
		Total	34	100	1,148	100	966	100	11,746	100	41	100	1,297	100	1,055	100	14,086	
	First-generation status (Neither parent holds a bachelor's degree.)	firstgen	16	47	651	57	517	54	7,139	61	28	68	725	56	580	55	8,660	
		(Recoded from parented.)	18	53	497	43	449	46	4,607	39	13	32	572	44	475	45	5,426	
		Total	34	100	1,148	100	966	100	11,746	100	41	100	1,297	100	1,055	100	14,086	
29. What is your gender?	gender	Female	19	56	777	68	684	71	8,135	69	24	60	800	62	702	66	8,874	
		Male	15	44	373	32	286	29	3,626	31	16	40	500	38	359	34	5,220	
		Total	34	100	1,150	100	970	100	11,761	100	40	100	1,300	100	1,061	100	14,094	
30. Age Category	agecat (Recoded from birthyear.)	19 or younger	33	97	1,064	93	884	91	10,801	92	0	0	15	1	5	0	131	
		20-23	0	0	59	5	50	5	626	5	35	85	967	75	775	73	10,635	
		24-29	0	0	14	1	17	2	157	1	3	7	205	16	172	16	2,030	
		30-39	1	3	6	1	11	1	102	1	1	2	71	5	77	7	848	
		40-55	0	0	5	0	7	1	50	0	2	5	31	2	25	2	355	
		Over 55	0	0	0	0	0	0	6	0	0	0	5	0	3	0	37	
		Total	34	100	1,148	100	969	100	11,742	100	41	100	1,294	100	1,057	100	14,036	
31. Are you an international student or foreign national?	internat	No	34	100	1,091	95	909	94	10,979	94	41	100	1,250	97	1,010	96	13,290	
		Yes	0	0	52	5	54	6	695	6	0	0	38	3	40	4	696	
		Total	34	100	1,143	100	963	100	11,674	100	41	100	1,288	100	1,050	100	13,986	

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Bio, Agric, & Nat Res

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Bio, Agric, & Nat Res

			First-Year Students ^a								Seniors ^a							
			NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 20	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
32. What is your racial or ethnic identification? (Select all that apply.)	re_amind	American Indian or Alaska Native	2	6	28	2	19	2	262	2	3	7	16	1	20	2	256	
	re_asian	Asian	0	0	83	7	70	7	1,136	10	0	0	65	5	61	6	1,245	
	re_black	Black or African American	0	0	97	8	94	10	1,236	11	0	0	43	3	59	6	900	
	re_latino	Hispanic or Latino	0	0	45	4	159	16	1,345	11	2	5	29	2	91	9	1,226	
	re_pacific	Native Hawaiian/Other Pac. Islander	0	0	3	0	12	1	107	1	0	0	2	0	6	1	100	
	re_white	White	32	94	918	80	645	67	8,038	68	34	83	1,118	86	820	78	10,285	
	re_other	Other	0	0	38	3	27	3	351	3	0	0	33	3	22	2	352	
	re_pnr	I prefer not to respond	2	6	33	3	36	4	426	4	6	15	59	5	59	6	756	
	Racial or ethnic identification	re_all	0	0	4	0	4	0	38	0	1	2	0	0	2	0	50	
		(Recoded from re_amind through re_pnr where each student is represented only once.)	0	0	71	6	53	5	890	8	0	0	55	4	46	4	1,024	
		Black or African American	0	0	69	6	74	8	991	8	0	0	30	2	51	5	747	
		Hispanic or Latino	0	0	22	2	124	13	962	8	0	0	13	1	60	6	857	
		Native Hawaiian/Other Pac. Islander	0	0	1	0	3	0	26	0	0	0	0	0	1	0	30	
		White	30	88	857	74	579	60	7,275	62	31	76	1,070	82	756	71	9,506	
		Other	0	0	24	2	16	2	197	2	0	0	16	1	12	1	209	
		Multiracial	2	6	70	6	79	8	956	8	3	7	57	4	71	7	901	
		I prefer not to respond	2	6	33	3	36	4	426	4	6	15	59	5	59	6	756	
		Total	34	100	1,151	100	968	100	11,761	100	41	100	1,300	100	1,058	100	14,080	
33. Are you a member of a social fraternity or sorority?	greek	No	32	94	1,058	92	898	93	10,706	91	40	98	1,182	91	1,003	95	12,648	
		Yes	2	6	92	8	72	7	1,037	9	1	2	117	9	54	5	1,405	
		Total	34	100	1,150	100	970	100	11,743	100	41	100	1,299	100	1,057	100	14,053	
34. Which of the following best describes where you are living while attending college?	living	Dormitory or other campus housing (not fraternity or sorority house)	29	85	773	67	695	72	8,238	70	7	17	131	10	219	21	2,977	
		Fraternity or sorority house	0	0	3	0	1	0	106	1	0	0	13	1	3	0	228	
		Residence, within walking dist.	3	9	106	9	64	7	855	7	26	63	495	38	383	36	4,134	
		Residence, farther than walking dist.	1	3	241	21	181	19	2,260	19	8	20	651	50	436	41	6,485	
		None of the above	1	3	24	2	22	2	271	2	0	0	11	1	16	2	245	
		Total	34	100	1,147	100	963	100	11,730	100	41	100	1,301	100	1,057	100	14,069	
35. Are you a student-athlete on a team sponsored by your institution's athletics department?	athlete	No	32	97	1,090	95	833	87	10,429	89	40	98	1,248	96	947	90	13,034	
		Yes	1	3	59	5	129	13	1,293	11	1	2	48	4	107	10	1,001	
		Total	33	100	1,149	100	962	100	11,722	100	41	100	1,296	100	1,054	100	14,035	

NSSE 2013 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Bio, Agric, & Nat Res

Northern Michigan University

Bio, Agric, & Nat Res

			First-Year Students ^a								Seniors ^a							
			NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 20	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
36. Are you a current or former member of the U.S. Armed Forces, Reserves, or National Guard?	veteran	No	34	100	1,141	99	954	99	11,574	99	39	95	1,250	96	1,034	98	13,521	
		Yes	0	0	10	1	6	1	133	1	2	5	47	4	22	2	499	
		Total	34	100	1,151	100	960	100	11,707	100	41	100	1,297	100	1,056	100	14,020	
37a. Have you been diagnosed with any disability or impairment?	disability	No	32	94	1,028	89	868	90	10,688	91	34	83	1,140	88	937	89	12,529	
		Yes	2	6	90	8	58	6	722	6	4	10	113	9	79	7	1,113	
		I prefer not to respond	0	0	32	3	41	4	326	3	3	7	40	3	40	4	417	
		Total	34	100	1,150	100	967	100	11,736	100	41	100	1,293	100	1,056	100	14,059	
b. [If, yes] Which of the following have been diagnosed? (Select all that apply)	dis_sense	A sensory impairment	1	50	12	10	11	11	125	12	1	14	14	9	5	4	150	
	dis_mobility	A mobility impairment	0	0	7	6	4	4	53	5	0	0	12	8	6	5	95	
	dis_learning	A learning disability	1	50	51	42	22	22	359	34	4	57	67	44	52	44	598	
	dis_mental	A mental health disorder	0	0	25	20	19	19	180	17	1	14	36	24	20	17	309	
	dis_other	A disability not listed	0	0	15	12	13	13	153	15	0	0	13	8	10	8	211	
	Disability or impairment	disability_all (Recoded from disability and dis_sense through dis_other where each student is represented only once.)	1	3	9	1	8	1	89	1	0	0	11	1	4	0	98	
38. Which of the following best describes your sexual orientation? (Optional question administered per institution request.)	sexorient	A mobility impairment	0	0	4	0	3	0	29	0	0	0	4	0	2	0	48	
		A learning disability	1	3	35	3	17	2	266	2	2	5	49	4	41	4	445	
		A mental health disorder	0	0	16	1	12	1	114	1	0	0	17	1	14	1	168	
		A disability not listed	0	0	8	1	8	1	95	1	0	0	4	0	5	0	135	
		More than one disability	0	0	18	2	10	1	127	1	2	5	28	2	13	1	218	
		No disability or impairment	32	94	1,028	89	868	90	10,688	91	34	83	1,140	88	937	89	12,529	
		Prefer not to respond	0	0	32	3	41	4	326	3	3	7	40	3	40	4	417	
		Total	34	100	1,150	100	967	100	11,734	100	41	100	1,293	100	1,056	100	14,058	
		Heterosexual	--	--	533	90	284	82	3,228	88	--	--	509	89	469	84	3,925	
		Gay	--	--	7	1	5	1	37	1	--	--	10	2	6	1	76	
		Lesbian	--	--	3	1	1	0	23	1	--	--	2	0	7	1	39	
		Bisexual	--	--	12	2	17	5	109	3	--	--	9	2	25	4	148	
		Questioning or unsure	--	--	5	1	10	3	62	2	--	--	4	1	6	1	45	
		I prefer not to respond	--	--	30	5	30	9	219	6	--	--	37	6	45	8	319	
		Total	--	--	590	100	347	100	3,678	100	--	--	571	100	558	100	4,552	

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			NMU		Great Lakes Public		Carnegie Class		NSSE 2013		NMU		Great Lakes Public		Carnegie Class		NSSE 20	
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Institution-reported information																		
(Variables provided by your institution in your NSSE population file.)																		
Institution-reported: Gender	IRgender	Female	19	56	779	67	688	71	8,179	69	25	61	802	62	705	66	8,890	
		Male	15	44	376	33	285	29	3,632	31	16	39	501	38	359	34	5,246	
		Total	34	100	1,155	100	973	100	11,811	100	41	100	1,303	100	1,064	100	14,136	
Institution-reported: Race	IRrace	American Indian or Alaska Native	0	0	5	1	2	0	56	1	0	0	2	0	4	0	74	
		Asian	0	0	41	4	34	4	516	5	0	0	43	4	33	3	646	
		Black or African American	0	0	69	7	54	6	954	9	0	0	32	3	48	5	742	
		Hispanic or Latino	0	0	39	4	141	16	1,138	11	0	0	31	3	84	9	1,051	
		Native Hawaiian/Other Pac. Islander	0	0	0	0	4	0	18	0	0	0	0	0	0	0	22	
		White	0	0	684	74	539	62	6,339	63	0	0	920	85	699	72	8,757	
		Other	0	0	5	1	7	1	33	0	0	0	1	0	6	1	50	
		Foreign or nonresident alien	0	0	29	3	23	3	302	3	0	0	19	2	17	2	271	
		Two or more races/ethnicities	0	0	27	3	22	3	333	3	0	0	9	1	18	2	197	
		Unknown	0	0	26	3	37	4	402	4	0	0	31	3	57	6	567	
		Total	0	0	925	100	863	100	10,091	100	0	0	1,088	100	966	100	12,377	
Institution-reported: Class level	IRclass	Freshman/First-Year	34	100	1,155	100	973	100	11,811	100	0	0	0	0	0	0	0	
		Sophomore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Junior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Senior	0	0	0	0	0	0	0	0	41	100	1,303	100	1,064	100	14,137	
		Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Total	34	100	1,155	100	973	100	11,811	100	41	100	1,303	100	1,064	100	14,137	
Institution-reported: First-time first-year (FTFY)	IRftfy	No	8	24	110	10	136	14	1,187	10	41	100	1,303	100	1,062	100	13,600	
		Yes	26	76	1,045	90	837	86	10,624	90	0	0	0	0	2	0	537	
		Total	34	100	1,155	100	973	100	11,811	100	41	100	1,303	100	1,064	100	14,137	
Institution-reported: Enrollment status	IRenrollment	Not full-time	5	15	19	2	35	4	279	2	3	7	196	15	97	9	1,469	
		Full-time	29	85	1,136	98	938	96	11,532	98	38	93	1,107	85	967	91	12,668	
		Total	34	100	1,155	100	973	100	11,811	100	41	100	1,303	100	1,064	100	14,137	

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Endnotes

- a. All results are unweighted.
- 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 is the range of values that is 95% likely to contain the true population mean, equal to the sample mean $\pm 1.96 * SEM$.
- 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 differ from Ns due to 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: * $p < .05$, ** $p < .01$, *** $p < .001$ (2-tailed).
- g. Effect size is the mean difference divided by the pooled standard deviation.
- h. Percentage of students who responded "Done or in progress" except for service-learning which is the percentage who responded that at least "Some" courses included a community-based project.
- i. * $p < .05$, ** $p < .01$, *** $p < .001$ (z-test comparing participation rates).
- j. Cohen's h : The standardized difference between two proportions. Effect size indicates the practical importance of an observed difference. An effect size of .2 is generally considered small, .5 medium, and .8 large.
- k. All results are unweighted. Means calculated from ordered response options (e.g., Very Often, Often, Sometimes, Never) assume equal intervals and should be interpreted with caution. Unless otherwise noted, statistical comparisons are two-tailed independent t-tests. Exceptions are the dichotomous high-impact practice items (11a to 11f) which are compared using a z-test.
- l. Items which make up the Engagement Indicators include the following two-letter prefixes: CL = Collaborative Learning, DD = Discussions with Diverse Others, ET = Effective Teaching Practices, HO = Higher-Order Learning, LS = Learning Strategies, QI = Quality of Interactions, QR = Quantitative Reasoning, RI = Reflective and Integrative Learning, SE = Supportive Environment, and SF = Student-Faculty Interaction.
- m. These are the values used to calculate means. For the majority of items, these values match the codes in the data file and codebook. For items estimating number of papers and hours per week, the values represent actual units using the midpoints of response option ranges and an estimate for unbounded options.
- n. Effect size for independent t-tests uses Cohen's d ; z-tests use Cohen's h . See page 2 for more details.
- o. Statistical comparison uses z-test to compare the percentage who responded "Done or in progress."