University of North Dakota

NSSE 2015 Major Field Report, Part II

Comparisons to Other Institutions

Bio, Math, PhysSci

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

The Major Field Report group 'Bio, Math, PhysSci' includes the following majors: Agriculture; Biochemistry or biophysics; Biology (general); Botany; Cell and molecular biology; Chemistry; Environmental science/studies; Marine science; Mathematics; Microbiology or bacteriology; Natural resources and conservation; Natural science; Other agriculture and natural resources; Other biological sciences; Other physical sciences; Physical sciences (general); Physics; Physiology and developmental biology; Statistics; Zoology.

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, Math, PhysSci.

> **NSSE results included in MFR, Part II**
> - Engagement Indicators
> - High-Impact Practices
> - Frequencies and Statistical Comparisons
> - Respondent Profile

Related-Major Groups

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 groups. Institutions choosing not to customize their related-major groups receive NSSE's ten default groups. 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. Keep in mind that majors are student-reported. First-year students may report *intended* majors that have not yet been *declared.* Also, much of the first-year experience may take place outside of the major field. For these reasons, first-year results should be interpreted with caution.

Technical Requirements

Related-major groups 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 group 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. 3-7)	Results on NSSE's ten Engagement Indicators (EIs) organized into four themes. See your *Engagement Indicators* report for more details.
High-Impact Practices (p. 8)	Results on student participation in six High-Impact Practices (HIPs). See your *High-Impact Practices* report for more details.
Frequencies and Statistical Comparisons (pp. 9-44)	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. 45-51)	Response frequencies for all demographic questions for your institution and your three core comparison groups.

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions
Overview of Engagement Indicators: Bio, Math, PhysSci
University of North Dakota

Engagement Indicators: Overview

Engagement Indicators are summary measures based on sets of NSSE questions examining key dimensions of student engagement. The ten indicators are organized within four themes: Academic Challenge, Learning with Peers, Experiences with Faculty, and Campus Environment. The tables below compare average scores[a] for your students in this related-major category with students in your comparison groups within the same category.

Use the following key:

▲ **Your students' average** was significantly higher (p<.05) with an effect size at least .3 in magnitude.

△ **Your students' average** was significantly higher (p<.05) with an effect size less than .3 in magnitude.

-- No significant difference.

▽ **Your students' average** was significantly lower (p<.05) with an effect size less than .3 in magnitude.

▼ **Your students' average** was significantly lower (p<.05) with an effect size at least .3 in magnitude.

Theme	Engagement Indicator	First-Year Students in Bio, Math, PhysSci			Seniors in Bio, Math, PhysSci		
		Your first-year students compared with Plains Public	Your first-year students compared with Carnegie Class	Your first-year students compared with NSSE 2015	Your seniors compared with Plains Public	Your seniors compared with Carnegie Class	Your seniors compared with NSSE 2015
Academic Challenge	**Higher-Order Learning**	--	--	--	▲	▲	▲
	Reflective & Integrative Learning	--	--	--	--	--	--
	Learning Strategies	--	--	--	▲	--	--
	Quantitative Reasoning	--	--	--	--	--	--
Learning with Peers	**Collaborative Learning**	--	--	--	▲	▲	▲
	Discussions with Diverse Others	--	--	--	--	--	--
Experiences with Faculty	**Student-Faculty Interaction**	--	--	--	--	--	--
	Effective Teaching Practices	--	--	--	--	--	--
Campus Environment	**Quality of Interactions**	▼	--	--	--	--	--
	Supportive Environment	--	--	--	--	--	--

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions
Engagement Indicators: Bio, Math, PhysSci
University of North Dakota

First-year students[a] in Bio, Math, PhysSci

	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												
UND (N = 29)	38.4	12.9	2.39	20	30	40	50	60				
Plains Public	37.8	13.4	.48	15	30	40	45	60	796	.7		.050
Carnegie Class	40.0	13.9	.27	20	30	40	50	60	2,749	-1.5		-.109
NSSE 2015	39.7	13.6	.08	20	30	40	50	60	29,064	-1.3		-.093
Reflective & Integrative Learning												
UND (N = 31)	32.1	14.5	2.60	9	20	34	43	54				
Plains Public	33.9	11.8	.42	14	26	34	40	57	32	-1.8		-.151
Carnegie Class	35.3	12.5	.24	17	26	34	43	60	2,814	-3.3		-.261
NSSE 2015	34.6	12.4	.07	14	26	34	43	57	29,761	-2.5		-.204
Learning Strategies												
UND (N = 29)	39.8	14.0	2.59	20	27	40	53	60				
Plains Public	38.9	14.2	.51	13	27	40	47	60	817	.8		.059
Carnegie Class	39.5	14.1	.27	20	27	40	53	60	2,781	.2		.018
NSSE 2015	39.7	14.0	.08	20	27	40	53	60	29,345	.0		.003
Quantitative Reasoning												
UND (N = 31)	27.7	15.3	2.75	0	20	27	40	60				
Plains Public	30.2	15.2	.54	7	20	27	40	60	819	-2.5		-.164
Carnegie Class	30.5	16.0	.30	0	20	27	40	60	2,805	-2.7		-.172
NSSE 2015	30.4	15.7	.09	7	20	27	40	60	29,612	-2.6		-.167
Learning with Peers												
Collaborative Learning												
UND (N = 30)	37.7	14.4	2.63	15	25	40	45	60				
Plains Public	34.5	13.9	.49	15	25	35	45	60	815	3.1		.225
Carnegie Class	34.2	14.2	.27	15	25	35	45	60	2,772	3.5		.244
NSSE 2015	35.0	13.9	.08	15	25	35	45	60	29,311	2.7		.192
Discussions with Diverse Others												
UND (N = 30)	36.7	15.0	2.75	15	20	35	45	60				
Plains Public	38.5	15.7	.56	15	25	40	50	60	818	-1.8		-.115
Carnegie Class	41.2	15.9	.30	15	30	40	60	60	2,795	-4.6		-.286
NSSE 2015	41.4	15.7	.09	15	30	40	60	60	29,561	-4.8		-.304

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Engagement Indicators: Bio, Math, PhysSci
University of North Dakota

First-year students[a] in
Bio, Math, PhysSci

	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												
UND (N = 31)	18.7	17.3	3.11	0	5	15	25	60				
Plains Public	21.1	14.1	.50	0	10	20	30	45	810	-2.3		-.165
Carnegie Class	19.6	14.5	.28	0	10	15	25	50	2,772	-.9		-.064
NSSE 2015	19.7	14.7	.09	0	10	15	30	50	29,414	-1.0		-.070
Effective Teaching Practices												
UND (N = 30)	36.9	13.1	2.40	20	28	36	44	60				
Plains Public	39.3	12.5	.44	20	32	40	48	60	824	-2.4		-.189
Carnegie Class	38.6	13.1	.25	16	28	40	48	60	2,828	-1.7		-.128
NSSE 2015	39.6	12.8	.07	20	32	40	48	60	29,863	-2.7		-.208
Campus Environment												
Quality of Interactions												
UND (N = 29)	37.8	14.5	2.69	12	28	38	50	60				
Plains Public	42.3	11.8	.42	18	36	44	50	60	806	-4.5	*	-.382
Carnegie Class	40.6	12.2	.24	18	34	42	50	60	2,679	-2.9		-.235
NSSE 2015	41.6	12.2	.07	18	34	44	50	60	27,717	-3.8		-.314
Supportive Environment												
UND (N = 29)	37.7	13.9	2.58	15	30	40	45	60				
Plains Public	37.4	13.0	.46	18	29	38	48	60	818	.3		.024
Carnegie Class	37.1	14.1	.27	14	28	38	48	60	2,802	.6		.045
NSSE 2015	37.1	13.7	.08	15	28	38	48	60	29,610	.7		.050

Seniors[a] in Bio, Math, PhysSci

	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												
UND (N = 22)	45.9	13.2	2.82	20	40	43	60	60				
Plains Public	39.0	13.9	.42	20	30	40	50	60	1,142	6.9	*	.498
Carnegie Class	39.2	14.5	.24	15	30	40	50	60	3,775	6.7	*	.462
NSSE 2015	39.6	14.1	.08	15	30	40	50	60	33,261	6.3	*	.451
Reflective & Integrative Learning												
UND (N = 23)	37.1	11.3	2.35	23	29	34	43	60				
Plains Public	35.3	12.4	.36	17	26	34	43	60	1,181	1.9		.150
Carnegie Class	35.8	12.8	.21	17	26	34	46	60	3,859	1.4		.109
NSSE 2015	35.9	12.7	.07	17	26	34	43	60	33,989	1.3		.100
Learning Strategies												
UND (N = 23)	44.6	11.8	2.46	27	40	47	53	60				
Plains Public	38.5	14.6	.43	13	27	40	53	60	1,160	6.2	*	.422
Carnegie Class	39.9	14.7	.24	13	27	40	53	60	3,817	4.8		.326
NSSE 2015	39.7	14.4	.08	13	27	40	53	60	33,545	5.0		.344
Quantitative Reasoning												
UND (N = 23)	39.1	17.7	3.69	13	27	40	60	60				
Plains Public	35.1	15.7	.46	7	20	33	47	60	1,175	4.1		.259
Carnegie Class	34.2	16.5	.27	7	20	33	47	60	3,853	5.0		.302
NSSE 2015	35.0	16.2	.09	7	20	33	47	60	33,888	4.1		.255
Learning with Peers												
Collaborative Learning												
UND (N = 23)	43.3	14.6	3.04	30	30	40	55	60				
Plains Public	34.6	13.6	.40	15	25	35	45	60	1,155	8.7	**	.635
Carnegie Class	34.0	14.4	.24	10	25	35	45	60	3,794	9.3	**	.642
NSSE 2015	35.2	14.0	.08	15	25	35	45	60	33,499	8.1	**	.577
Discussions with Diverse Others												
UND (N = 24)	38.3	11.9	2.44	20	30	40	48	60				
Plains Public	38.2	16.1	.47	10	25	40	50	60	1,171	.2		.011
Carnegie Class	40.2	16.5	.27	15	30	40	60	60	24	-1.8		-.112
NSSE 2015	41.0	15.9	.09	15	30	40	60	60	33,715	-2.6		-.167

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Engagement Indicators: Bio, Math, PhysSci
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Seniors[a] in
Bio, Math, PhysSci

	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												
UND (N = 23)	24.1	12.3	2.57	5	15	25	35	45				
Plains Public	26.8	16.0	.47	0	15	25	40	60	1,163	-2.7		-.166
Carnegie Class	24.9	16.3	.26	0	15	20	35	60	3,824	-.8		-.048
NSSE 2015	26.0	16.3	.09	0	15	25	40	60	33,608	-1.9		-.117
Effective Teaching Practices												
UND (N = 23)	42.4	13.0	2.71	24	36	40	52	60				
Plains Public	40.3	12.9	.38	20	32	40	50	60	1,182	2.1		.167
Carnegie Class	39.3	13.0	.21	20	32	40	48	60	3,874	3.2		.243
NSSE 2015	40.2	13.0	.07	20	32	40	52	60	34,108	2.2		.170
Campus Environment												
Quality of Interactions												
UND (N = 23)	43.3	13.6	2.83	18	32	48	55	60				
Plains Public	43.2	10.6	.31	26	36	44	50	60	23	.2		.018
Carnegie Class	40.5	11.8	.19	18	34	42	49	60	3,729	2.8		.240
NSSE 2015	41.7	11.5	.06	20	35	43	50	60	32,784	1.6		.139
Supportive Environment												
UND (N = 24)	32.0	14.3	2.93	15	20	31	43	53				
Plains Public	33.4	13.4	.39	10	23	33	43	58	1,172	-1.5		-.109
Carnegie Class	33.0	13.8	.22	10	23	33	43	60	3,846	-1.0		-.074
NSSE 2015	33.2	13.8	.08	10	23	33	43	60	33,927	-1.2		-.087

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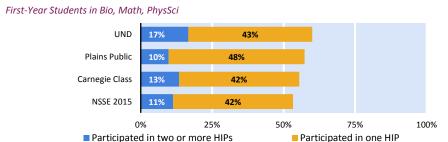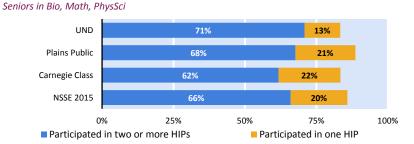## High-Impact Practices: Bio, Math, PhysSci
University of North Dakota

Overall HIP Participation[a]

The figures below display the percentage[h] of students who participated in High-Impact Practices. Both figures include participation in a learning community, service-learning, and research with faculty. The Senior figure also includes participation in an internship or field experience, study abroad, and culminating senior experience. 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, Math, PhysSci

	Participated in two or more HIPs	Participated in one HIP
UND	17%	43%
Plains Public	10%	48%
Carnegie Class	13%	42%
NSSE 2015	11%	42%

Seniors in Bio, Math, PhysSci

	Participated in two or more HIPs	Participated in one HIP
UND	71%	13%
Plains Public	68%	21%
Carnegie Class	62%	22%
NSSE 2015	66%	20%

Statistical Comparisons[a]

The table below compares the percentage[h] of your students who participated in a High-Impact Practice, including the percentage who participated overall (at least one, two or more), with those at institutions in your comparison groups.

	UND		Plains Public		Carnegie Class		NSSE 2015	
First-Year Students in Bio, Math, PhysSci	*%*		*%[i]*	*Effect size[j]*	*%[i]*	*Effect size[j]*	*%[i]*	*Effect size[j]*
11c. **Learning community**	20		14	.17	21	-.02	15	.13
12. **Service-learning**	59		49	.20	43	.32	45	.28
11e. **Research with faculty**	7		6	.01	8	-.07	7	-.02
Participated in at least one	60		57	.05	55	.09	53	.14
Participated in two or more	17		10	.21	13	.09	11	.15
Seniors in Bio, Math, PhysSci								
11c. **Learning community**	17		24	-.15	23	-.15	24	-.16
12. **Service-learning**	29		54 *	-.51	46	-.36	50 *	-.42
11e. **Research with faculty**	30		46	-.32	47	-.35	48	-.36
11a. **Internship or field exp.**	57		50	.13	50	.13	52	.09
11d. **Study abroad**	0		15 *	-.79	14	-.76	17 *	-.85
11f. **Culminating senior exp.**	74		48 *	.54	36 ***	.79	46 **	.59
Participated in at least one	83		89	-.15	83	.00	86	-.07
Participated in two or more	71		68	.07	62	.19	66	.10

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Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

First-Year Students[a] in Bio, Math, PhysSci

				Frequency Distributions								Statistical Comparisons[k]						
													Your first-year students compared with					
				UND		Plains Public		Carnegie Class		NSSE 2015		UND	Plains Public		Carnegie Class		NSSE 2015	
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]*
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	1	3	26	3	134	5	1,798	6							
		2	Sometimes	13	42	324	41	1,072	38	11,079	37							
		3	Often	10	32	281	35	922	33	9,657	32	2.7	2.7	.01	2.8	-.02	2.8	-.01
		4	Very often	7	23	163	21	676	24	7,349	25							
			Total	31	100	794	100	2,804	100	29,883	100							
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	2	6	136	17	510	18	5,599	19							
		2	Sometimes	9	29	298	38	985	35	10,353	35							
		3	Often	12	39	237	30	783	28	8,580	29	2.8	2.4 *	.42	2.5 *	.37	2.5 *	.39
		4	Very often	8	26	123	15	517	18	5,246	18		▲		▲		▲	
			Total	31	100	794	100	2,795	100	29,778	100							
c. Come to class without completing readings or assignments	unpreparedr *(Reverse-coded version of unprepared created by NSSE.)*	1	Very often	6	19	40	5	164	6	1,685	6							
		2	Often	4	13	101	13	391	14	3,892	13							
		3	Sometimes	13	42	433	55	1,532	55	16,659	56	2.7	3.0	-.39	3.0	-.32	3.0	-.34
		4	Never	8	26	218	28	702	25	7,497	25							
			Total	31	100	792	100	2,789	100	29,733	100							
d. Attended an art exhibit, play or other arts performance (dance, music, etc.)	attendart	1	Never	7	23	291	37	1,025	37	11,468	39							
		2	Sometimes	13	42	333	42	1,171	42	11,805	40							
		3	Often	9	29	114	14	414	15	4,559	15	2.2	1.9	.31	1.9	.32	1.9	.34
		4	Very often	2	6	56	7	186	7	1,893	6							
			Total	31	100	794	100	2,796	100	29,725	100							
e. Asked another student to help you understand course material	CLaskhelp	1	Never	2	6	59	7	200	7	1,791	6							
		2	Sometimes	9	29	279	35	1,029	37	10,747	36							
		3	Often	10	32	286	36	927	33	10,617	36	2.9	2.7	.21	2.7	.21	2.7	.19
		4	Very often	10	32	171	22	633	23	6,598	22							
			Total	31	100	795	100	2,789	100	29,753	100							
f. Explained course material to one or more students	CLexplain	1	Never	0	0	28	4	76	3	762	3							
		2	Sometimes	7	23	234	29	892	32	9,338	31							
		3	Often	13	42	350	44	1,106	40	12,249	41	3.1	2.9	.33	2.9	.30	2.9	.31
		4	Very often	11	35	184	23	718	26	7,370	25							
			Total	31	100	796	100	2,792	100	29,719	100							

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Frequencies and Statistical Comparisons: Bio, Math, PhysSci
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First-Year Students[a] in Bio, Math, PhysSci

Frequency Distributions

Statistical Comparisons[k]

Your first-year students compared with

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	4	13	91	11	345	12	3,216	11							
		2	Sometimes	10	32	278	35	969	35	10,105	34							
		3	Often	11	35	254	32	850	30	9,141	31	2.6	2.6	-.03	2.6	-.02	2.7	-.08
		4	Very often	6	19	174	22	635	23	7,354	25							
			Total	31	100	797	100	2,799	100	29,816	100							
h. Worked with other students on course projects or assignments	CLproject	1	Never	0	0	47	6	215	8	2,078	7							
		2	Sometimes	10	33	309	39	1,145	41	11,167	38							
		3	Often	12	40	288	36	927	33	10,483	35	2.9	2.7	.30	2.6 *	.36	2.7	.28
		4	Very often	8	27	150	19	507	18	6,042	20				▲			
			Total	30	100	794	100	2,794	100	29,770	100							
i. Given a course presentation	present	1	Never	5	17	171	22	634	23	7,937	27							
		2	Sometimes	15	50	377	47	1,345	48	13,687	46							
		3	Often	7	23	196	25	588	21	5,797	20	2.3	2.2	.13	2.1	.15	2.1	.21
		4	Very often	3	10	50	6	220	8	2,292	8							
			Total	30	100	794	100	2,787	100	29,713	100							

2. During the current school year, about how often have you done the following?

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	3	10	36	5	179	6	1,872	6							
		2	Sometimes	11	35	302	38	1,086	39	11,771	40							
		3	Often	12	39	336	42	1,025	37	10,960	37	2.6	2.7	-.09	2.7	-.06	2.7	-.05
		4	Very often	5	16	122	15	504	18	5,197	17							
			Total	31	100	796	100	2,794	100	29,800	100							
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	4	13	71	9	254	9	2,971	10							
		2	Sometimes	16	52	365	46	1,129	41	12,310	42							
		3	Often	7	23	263	33	953	34	9,877	33	2.4	2.5	-.16	2.6	-.25	2.5	-.21
		4	Very often	4	13	96	12	446	16	4,490	15							
			Total	31	100	795	100	2,782	100	29,648	100							
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	7	23	113	14	323	12	4,462	15							
		2	Sometimes	10	32	356	45	1,170	42	12,239	41							
		3	Often	9	29	230	29	862	31	8,822	30	2.4	2.4	.01	2.5	-.13	2.4	-.04
		4	Very often	5	16	91	12	431	15	4,131	14							
			Total	31	100	790	100	2,786	100	29,654	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions
Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

First-Year Students[a] in Bio, Math, PhysSci

Frequency Distributions | Statistical Comparisons[k]

Your first-year students compared with

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	6	19	66	8	155	6	2,059	7							
		2	Sometimes	11	35	285	36	924	33	10,212	34							
		3	Often	10	32	315	40	1,134	41	11,953	40	2.4	2.6	-.28	2.8 *	-.44	2.7 *	-.37
		4	Very often	4	13	122	15	562	20	5,427	18				▼		▼	
			Total	31	100	788	100	2,775	100	29,651	100							
e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	RIperspect	1	Never	3	10	28	4	102	4	1,404	5							
		2	Sometimes	10	32	266	34	820	30	9,163	31							
		3	Often	11	35	343	43	1,165	42	12,300	42	2.7	2.8	-.10	2.9	-.21	2.8	-.14
		4	Very often	7	23	154	19	689	25	6,755	23							
			Total	31	100	791	100	2,776	100	29,622	100							
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	0	0	31	4	96	3	936	3							
		2	Sometimes	12	39	250	32	823	30	9,087	31							
		3	Often	12	39	348	44	1,167	42	12,627	43	2.8	2.8	.04	2.9	-.06	2.9	-.03
		4	Very often	7	23	162	20	694	25	6,975	24							
			Total	31	100	791	100	2,780	100	29,625	100							
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	0	0	12	2	46	2	455	2							
		2	Sometimes	11	37	157	20	540	19	5,920	20							
		3	Often	10	33	376	48	1,249	45	13,299	45	2.9	3.1	-.19	3.1	-.23	3.1	-.22
		4	Very often	9	30	243	31	936	34	9,884	33							
			Total	30	100	788	100	2,771	100	29,558	100							

3. During the current school year, about how often have you done the following?

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
a. Talked about career plans with a faculty member	SFcareer	1	Never	6	19	120	15	619	22	7,290	25							
		2	Sometimes	13	42	403	51	1,279	46	13,247	45							
		3	Often	7	23	188	24	602	22	6,117	21	2.4	2.3	.09	2.2	.18	2.2	.21
		4	Very often	5	16	77	10	279	10	3,053	10							
			Total	31	100	788	100	2,779	100	29,707	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	17	55	368	47	1,452	52	15,932	54							
		2	Sometimes	8	26	258	33	803	29	8,441	28							
		3	Often	3	10	117	15	336	12	3,474	12	1.7	1.8	-.06	1.7	.02	1.7	.05
		4	Very often	3	10	45	6	177	6	1,797	6							
			Total	31	100	788	100	2,768	100	29,644	100							

First-Year Students[a] in Bio, Math, PhysSci

Frequency Distributions — Statistical Comparisons[k]

Your first-year students compared with

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	15	48	229	29	886	32	9,062	31							
		2	Sometimes	9	29	344	44	1,266	46	12,719	43							
		3	Often	4	13	161	20	418	15	5,356	18	1.8	2.0	-.24	2.0	-.16	2.0	-.23
		4	Very often	3	10	53	7	205	7	2,486	8							
			Total	31	100	787	100	2,775	100	29,623	100							
d. Discussed your academic performance with a faculty member	SFperform	1	Never	15	48	197	25	821	30	8,766	30							
		2	Sometimes	10	32	385	49	1,239	45	13,045	44							
		3	Often	3	10	164	21	485	18	5,394	18	1.8	2.1	-.32	2.0	-.26	2.0	-.27
		4	Very often	3	10	44	6	223	8	2,385	8							
			Total	31	100	790	100	2,768	100	29,590	100							

4. During the current school year, how much has your coursework emphasized the following?

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
a. Memorizing course material	memorize	1	Very little	1	3	18	2	73	3	880	3							
		2	Some	8	27	155	20	560	20	6,220	21							
		3	Quite a bit	14	47	365	46	1,151	41	12,587	42	2.9	3.1	-.23	3.1	-.26	3.1	-.21
		4	Very much	7	23	256	32	1,003	36	10,079	34							
			Total	30	100	794	100	2,787	100	29,766	100							
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	0	0	19	2	77	3	717	2							
		2	Some	7	23	166	21	511	18	5,022	17							
		3	Quite a bit	16	53	370	47	1,166	42	12,758	43	3.0	3.0	-.05	3.1	-.16	3.2	-.20
		4	Very much	7	23	236	30	1,028	37	11,189	38							
			Total	30	100	791	100	2,782	100	29,686	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	0	0	34	4	107	4	1,066	4							
		2	Some	9	30	191	24	588	21	6,379	22							
		3	Quite a bit	14	47	339	43	1,128	41	12,277	42	2.9	3.0	-.02	3.0	-.14	3.0	-.13
		4	Very much	7	23	220	28	939	34	9,850	33							
			Total	30	100	784	100	2,762	100	29,572	100							
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	1	3	61	8	139	5	1,966	7							
		2	Some	12	40	239	30	745	27	8,193	28							
		3	Quite a bit	10	33	327	41	1,123	41	11,858	40	2.8	2.8	.02	2.9	-.16	2.8	-.09
		4	Very much	7	23	165	21	763	28	7,588	26							
			Total	30	100	792	100	2,770	100	29,605	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions
Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

First-Year Students[a] in Bio, Math, PhysSci

Frequency Distributions | Statistical Comparisons[k]

Your first-year students compared with

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	1	3	43	5	144	5	1,694	6							
		2	Some	9	31	234	30	723	26	7,891	27							
		3	Quite a bit	11	38	339	43	1,143	41	12,027	41	2.9	2.8	.11	2.9	-.01	2.9	.01
		4	Very much	8	28	168	21	760	27	7,950	27							
			Total	29	100	784	100	2,770	100	29,562	100							

5. During the current school year, to what extent have your instructors done the following?

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
a. Clearly explained course goals and requirements	ETgoals	1	Very little	0	0	12	2	53	2	508	2							
		2	Some	7	23	134	17	521	19	5,062	17							
		3	Quite a bit	11	37	375	47	1,287	46	13,796	46	3.2	3.1	.02	3.1	.07	3.1	.03
		4	Very much	12	40	276	35	939	34	10,491	35							
			Total	30	100	797	100	2,800	100	29,857	100							
b. Taught course sessions in an organized way	ETorganize	1	Very little	0	0	18	2	87	3	596	2							
		2	Some	9	30	130	16	519	19	5,071	17							
		3	Quite a bit	13	43	386	49	1,277	46	13,963	47	3.0	3.1	-.20	3.1	-.14	3.1	-.22
		4	Very much	8	27	261	33	909	33	10,154	34							
			Total	30	100	795	100	2,792	100	29,784	100							
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	1	3	17	2	71	3	654	2							
		2	Some	6	20	136	17	564	20	5,134	17							
		3	Quite a bit	13	43	377	47	1,116	40	12,305	41	3.1	3.1	-.07	3.1	-.06	3.2	-.14
		4	Very much	10	33	265	33	1,037	37	11,628	39							
			Total	30	100	795	100	2,788	100	29,721	100							
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	5	17	68	9	316	11	3,387	11							
		2	Some	11	37	262	33	897	32	8,914	30							
		3	Quite a bit	10	33	286	36	922	33	9,993	34	2.4	2.7	-.32	2.7	-.27	2.7	-.30
		4	Very much	4	13	176	22	658	24	7,445	25							
			Total	30	100	792	100	2,793	100	29,739	100							
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	3	10	73	9	311	11	2,881	10							
		2	Some	11	37	233	29	920	33	9,173	31							
		3	Quite a bit	11	37	329	42	956	34	10,850	37	2.6	2.7	-.13	2.7	-.06	2.7	-.13
		4	Very much	5	17	155	20	589	21	6,717	23							
			Total	30	100	790	100	2,776	100	29,621	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions
Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

First-Year Students[a] in Bio, Math, PhysSci

				Frequency Distributions								Statistical Comparisons[k] *Your first-year students compared with*							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND	Plains Public		Carnegie Class		NSSE 2015	
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]*
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	4	13	53	7	220	8	2,167	7							
		2	Sometimes	8	26	234	29	825	29	8,719	29							
		3	Often	14	45	318	40	1,070	38	11,510	39	2.6	2.8	-.19	2.8	-.16	2.8	-.19
		4	Very often	5	16	192	24	687	25	7,467	25							
			Total	31	100	797	100	2,802	100	29,863	100							
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	6	19	151	19	558	20	6,191	21							
		2	Sometimes	15	48	331	42	1,089	39	11,542	39							
		3	Often	6	19	218	27	748	27	7,905	27	2.3	2.3	-.07	2.4	-.10	2.3	-.08
		4	Very often	4	13	95	12	400	14	4,148	14							
			Total	31	100	795	100	2,795	100	29,786	100							
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	6	19	129	16	439	16	4,888	16							
		2	Sometimes	14	45	310	39	1,093	39	11,946	40							
		3	Often	8	26	260	33	888	32	8,883	30	2.3	2.4	-.16	2.4	-.18	2.4	-.16
		4	Very often	3	10	92	12	367	13	4,005	13							
			Total	31	100	791	100	2,787	100	29,722	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 *(Recoded version of* wrshort *created by NSSE. Values are estimated number of papers, reports, etc.)*	wrshortnum	0	None	0	0	36	5	121	4	1,447	5							
		1.5	1-2	7	24	170	22	561	20	5,531	19							
		4	3-5	8	28	263	33	867	31	9,128	31							
		8	6-10	10	34	162	21	701	25	7,106	24	6.5	6.7	-.02	6.8	-.04	7.0	-.07
		13	11-15	1	3	80	10	245	9	3,062	10							
		18	16-20	3	10	40	5	111	4	1,327	5							
		23	More than 20	0	0	39	5	159	6	1,671	6							
			Total	29	100	790	100	2,765	100	29,272	100							
b. Between 6 and 10 pages *(Recoded version of* wrmed *created by NSSE. Values are estimated number of papers, reports, etc.)*	wrmednum	0	None	5	17	313	41	829	31	8,723	31							
		1.5	1-2	17	59	318	42	1,122	42	11,801	41							
		4	3-5	6	21	87	11	482	18	5,232	18							
		8	6-10	1	3	24	3	168	6	1,903	7	2.0	1.7	.11	2.3	-.10	2.4	-.12
		13	11-15	0	0	14	2	35	1	496	2							
		18	16-20	0	0	2	0	15	1	182	1							
		23	More than 20	0	0	2	0	20	1	157	1							
			Total	29	100	760	100	2,671	100	28,494	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions
Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

First-Year Students[a] in Bio, Math, PhysSci

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
c. 11 pages or more	wrlongnum	0	None	18	67	617	83	1,950	75	20,314	74							
(Recoded version of wrlong *created by NSSE. Values are estimated number of papers, reports, etc.)*		1.5	1-2	7	26	95	13	473	18	5,227	19							
		4	3-5	2	7	20	3	85	3	1,083	4							
		8	6-10	0	0	7	1	41	2	437	2	.7	.5	.09	.8	-.05	.9	-.07
		13	11-15	0	0	1	0	24	1	234	1							
		18	16-20	0	0	1	0	7	0	95	0							
		23	More than 20	0	0	3	0	12	0	140	1							
			Total	27	100	744	100	2,592	100	27,530	100							
Estimated number of assigned pages of student writing.	wrpages											43.9	40.8	.06	49.0	-.08	50.4	-.11
(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, *and* wrlong. *Values are estimated pages of assigned writing.)*																		

8. During the current school year, about how often have you had discussions with people from the following groups?

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
a. People of a race or ethnicity other than your own	DDrace	1	Never	2	7	58	7	127	5	1,267	4							
		2	Sometimes	14	47	257	32	645	23	6,609	22							
		3	Often	7	23	237	30	815	29	8,696	29	2.6	2.8	-.22	3.1 ** ▼	-.52	3.1 ** ▼	-.56
		4	Very often	7	23	245	31	1,211	43	13,280	44							
			Total	30	100	797	100	2,798	100	29,852	100							
b. People from an economic background other than your own	DDeconomic	1	Never	0	0	43	5	124	4	1,305	4							
		2	Sometimes	12	40	212	27	611	22	6,428	22							
		3	Often	10	33	284	36	916	33	9,932	33	2.9	3.0	-.09	3.1	-.26	3.1	-.27
		4	Very often	8	27	259	32	1,144	41	12,139	41							
			Total	30	100	798	100	2,795	100	29,804	100							
c. People with religious beliefs other than your own	DDreligion	1	Never	1	3	41	5	209	7	1,703	6							
		2	Sometimes	11	37	229	29	645	23	6,909	23							
		3	Often	8	27	259	33	779	28	8,816	30	2.9	2.9	-.05	3.0	-.14	3.1	-.18
		4	Very often	10	33	267	34	1,166	42	12,363	41							
			Total	30	100	796	100	2,799	100	29,791	100							
d. People with political views other than your own	DDpolitical	1	Never	1	3	49	6	187	7	2,028	7							
		2	Sometimes	11	37	202	25	694	25	7,609	26							
		3	Often	7	23	282	35	863	31	9,257	31	2.9	3.0	-.02	3.0	-.06	3.0	-.04
		4	Very often	11	37	262	33	1,039	37	10,778	36							
			Total	30	100	795	100	2,783	100	29,672	100							

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First-Year Students[a] in Bio, Math, PhysSci

				Frequency Distributions								Statistical Comparisons[k]						
													Your first-year students compared with					
				UND		Plains Public		Carnegie Class		NSSE 2015		UND	Plains Public		Carnegie Class		NSSE 2015	
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]
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	23	3	38	1	528	2							
		2	Sometimes	7	23	144	18	497	18	5,002	17							
		3	Often	16	53	355	45	1,169	42	12,734	43	3.0	3.1	-.13	3.2	-.24	3.2	-.24
		4	Very often	7	23	274	34	1,092	39	11,546	39							
			Total	30	100	796	100	2,796	100	29,810	100							
b. Reviewed your notes after class	LSnotes	1	Never	2	7	39	5	133	5	1,490	5							
		2	Sometimes	3	10	247	31	860	31	9,017	30							
		3	Often	13	45	257	32	876	31	9,506	32	3.1	2.9	.25	2.9	.23	2.9	.24
		4	Very often	11	38	254	32	922	33	9,726	33							
			Total	29	100	797	100	2,791	100	29,739	100							
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	1	3	57	7	200	7	2,000	7							
		2	Sometimes	11	37	241	30	837	30	8,681	29							
		3	Often	10	33	284	36	976	35	10,309	35	2.8	2.8	.02	2.8	.01	2.9	-.03
		4	Very often	8	27	211	27	753	27	8,469	29							
			Total	30	100	793	100	2,766	100	29,459	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	4	1	6	0	98	0							
		2		0	0	6	1	25	1	302	1							
		3		2	7	17	2	95	3	834	3							
		4		1	3	62	8	242	9	2,589	9	5.3	5.7	-.30	5.6	-.24	5.6	-.26
		5		15	52	230	29	870	31	8,756	29							
		6		7	24	292	37	891	32	10,066	34							
		7	Very much	4	14	185	23	672	24	7,157	24							
			Total	29	100	796	100	2,801	100	29,802	100							
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	2	7	58	7	244	9	3,120	10							
			Do not plan to do	2	7	26	3	52	2	991	3							
			Plan to do	24	80	659	83	2,247	80	23,256	78	7%	7%	.00	9%	-.10	8%	-.06
			Done or in progress	2	7	54	7	259	9	2,492	8							
			Total	30	100	797	100	2,802	100	29,859	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions
Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

First-Year Students[a] in Bio, Math, PhysSci

Frequency Distributions — **Statistical Comparisons[k]** — *Your first-year students compared with*

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
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	11	39	208	26	701	25	7,788	26							
			Do not plan to do	4	14	177	22	564	20	6,825	23							
			Plan to do	12	43	317	40	1,172	42	11,587	39	4%	12%	-.31	12%	-.34	12%	-.33
			Done or in progress	1	4	92	12	347	12	3,561	12							
			Total	28	100	794	100	2,784	100	29,761	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	33	221	28	769	28	9,311	31							
			Do not plan to do	6	20	272	34	772	28	8,443	28							
			Plan to do	8	27	194	24	667	24	7,441	25	20%	14%	.17	21%	-.02	15%	.13
			Done or in progress	6	20	108	14	577	21	4,512	15							
			Total	30	100	795	100	2,785	100	29,707	100							
d. Participate in a study abroad program	abroad *(Means indicate the percentage who responded "Done or in progress.")*		Have not decided	8	27	213	27	772	28	8,206	28							
			Do not plan to do	13	43	249	32	628	22	6,873	23							
			Plan to do	8	27	309	39	1,311	47	13,725	46	3%	2%	.06	3%	.02	3%	.01
			Done or in progress	1	3	19	2	84	3	914	3							
			Total	30	100	790	100	2,795	100	29,718	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	7	23	242	30	744	27	8,532	29							
			Do not plan to do	5	17	111	14	293	11	3,173	11							
			Plan to do	16	53	391	49	1,515	54	15,794	53	7%	6%	.01	8%	-.07	7%	-.02
			Done or in progress	2	7	51	6	234	8	2,115	7							
			Total	30	100	795	100	2,786	100	29,614	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	3	10	243	31	816	29	9,173	31							
			Do not plan to do	0	0	64	8	224	8	2,616	9							
			Plan to do	26	87	468	59	1,688	61	17,177	58	3%	2%	.06	2%	.09	2%	.07
			Done or in progress	1	3	18	2	55	2	648	2							
			Total	30	100	793	100	2,783	100	29,614	100							

12. About how many of your courses at this institution have included a community-based project (service-learning)?

	Variable name	Values	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size	Carnegie Class Mean	Carnegie Class Effect size	NSSE 2015 Mean	NSSE 2015 Effect size
	servcourse	1	None	12	41	406	51	1,592	57	16,388	55							
		2	Some	15	52	335	42	1,054	38	11,497	39							
		3	Most	2	7	38	5	110	4	1,423	5	1.7	1.6	.15	1.5	.30	1.5	.23
		4	All	0	0	10	1	14	1	244	1							
			Total	29	100	789	100	2,770	100	29,552	100							

First-Year Students[a] in Bio, Math, PhysSci

				Frequency Distributions									Statistical Comparisons[k]							
														Your first-year students compared with					
				UND		Plains Public		Carnegie Class		NSSE 2015			UND	Plains Public		Carnegie Class		NSSE 2015	
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]
13. Indicate the quality of your interactions with the following people at your institution.																			
a. Students	QIstudent	1	Poor	2	7	11	1	40	1	449	2								
		2		1	3	19	2	69	2	549	2								
		3		2	7	29	4	125	4	1,238	4								
		4		2	7	75	9	295	11	2,800	9								
		5		9	30	189	24	677	24	6,890	23		5.2	5.6	-.32	5.5	-.26	5.6	-.32
		6		6	20	232	29	827	29	9,236	31								
		7	Excellent	8	27	239	30	764	27	8,593	29								
		—	Not applicable	0	0	4	1	12	0	130	0								
			Total	30	100	798	100	2,809	100	29,885	100								
b. Academic advisors	QIadvisor	1	Poor	0	0	27	3	147	5	1,234	4								
		2		5	17	41	5	148	5	1,539	5								
		3		3	10	62	8	231	8	2,267	8								
		4		6	20	99	12	403	14	3,985	13								
		5		4	13	154	19	557	20	5,752	19		4.6	5.2 *	-.38	5.0	-.25	5.1	-.30
		6		5	17	188	24	568	20	6,300	21			▼					
		7	Excellent	5	17	216	27	662	24	6,911	23								
		—	Not applicable	2	7	10	1	89	3	1,827	6								
			Total	30	100	797	100	2,805	100	29,815	100								
c. Faculty	QIfaculty	1	Poor	0	0	15	2	68	2	722	2								
		2		2	7	25	3	92	3	991	3								
		3		5	17	34	4	196	7	1,808	6								
		4		3	10	107	13	417	15	3,754	13								
		5		8	27	212	27	720	26	7,061	24		4.9	5.3	-.32	5.1	-.20	5.3	-.27
		6		7	23	241	30	754	27	8,727	29								
		7	Excellent	4	13	153	19	508	18	6,032	20								
		—	Not applicable	1	3	8	1	22	1	557	2								
			Total	30	100	795	100	2,777	100	29,652	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions
Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

First-Year Students[a] in Bio, Math, PhysSci

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	3	10	28	4	153	6	1,374	5							
		2		3	10	32	4	120	4	1,358	5							
		3		2	7	68	9	210	8	2,081	7							
		4		3	10	104	13	437	16	3,849	13							
		5		6	20	174	22	569	20	6,039	20	4.6	5.1	-.30	4.9	-.17	5.0	-.24
		6		6	20	183	23	588	21	6,546	22							
		7	Excellent	5	17	153	19	441	16	5,168	17							
		—	Not applicable	2	7	54	7	263	9	3,296	11							
			Total	30	100	796	100	2,781	100	29,711	100							
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	4	13	29	4	172	6	1,462	5							
		2		2	7	42	5	150	5	1,642	6							
		3		2	7	59	7	246	9	2,276	8							
		4		5	17	131	17	434	16	4,242	14							
		5		6	20	164	21	579	21	6,249	21	4.5	5.0	-.29	4.7	-.14	4.9	-.22
		6		6	20	180	23	560	20	6,343	21							
		7	Excellent	5	17	145	18	411	15	4,872	16							
		—	Not applicable	0	0	43	5	247	9	2,652	9							
			Total	30	100	793	100	2,799	100	29,738	100							

14. How much does your institution emphasize the following?

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	0	0	14	2	50	2	372	1							
		2	Some	6	21	103	13	375	13	3,553	12							
		3	Quite a bit	12	41	340	43	1,113	40	12,389	42	3.2	3.3	-.12	3.3	-.14	3.3	-.18
		4	Very much	11	38	336	42	1,243	45	13,366	45							
			Total	29	100	793	100	2,781	100	29,680	100							
b. Providing support to help students succeed academically	SEacademic	1	Very little	0	0	21	3	98	4	926	3							
		2	Some	7	24	120	15	488	18	5,098	17							
		3	Quite a bit	10	34	358	45	1,076	39	11,964	41	3.2	3.2	.01	3.2	.03	3.2	.02
		4	Very much	12	41	291	37	1,101	40	11,526	39							
			Total	29	100	790	100	2,763	100	29,514	100							
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	0	0	40	5	128	5	1,294	4							
		2	Some	5	18	118	15	438	16	4,872	16							
		3	Quite a bit	11	39	302	38	969	35	10,766	36	3.3	3.2	.10	3.2	.06	3.2	.09
		4	Very much	12	43	327	42	1,233	45	12,597	43							
			Total	28	100	787	100	2,768	100	29,529	100							

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University of North Dakota

First-Year Students[a] in Bio, Math, PhysSci

				Frequency Distributions								Statistical Comparisons[k]						
													Your first-year students compared with					
				UND		Plains Public		Carnegie Class		NSSE 2015		UND	Plains Public		Carnegie Class		NSSE 2015	
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. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	5	17	96	12	399	14	3,954	13	2.7	2.7	-.01	2.7	-.01	2.7	.00
		2	Some	6	21	243	31	780	28	8,775	30							
		3	Quite a bit	11	38	252	32	856	31	9,375	32							
		4	Very much	7	24	198	25	742	27	7,491	25							
			Total	29	100	789	100	2,777	100	29,595	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	2	7	31	4	180	6	1,742	6	3.0	3.1	-.03	3.0	.02	3.0	.04
		2	Some	7	24	162	20	583	21	6,555	22							
		3	Quite a bit	8	28	328	41	1,021	37	11,286	38							
		4	Very much	12	41	271	34	996	36	10,020	34							
			Total	29	100	792	100	2,780	100	29,603	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	0	0	39	5	192	7	1,824	6	3.1	3.0	.03	3.0	.09	3.0	.09
		2	Some	5	18	166	21	586	21	6,366	22							
		3	Quite a bit	16	57	306	39	1,044	38	11,511	39							
		4	Very much	7	25	279	35	945	34	9,820	33							
			Total	28	100	790	100	2,767	100	29,521	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	5	17	163	21	634	23	6,428	22	2.6	2.3	.22	2.4	.20	2.4	.20
		2	Some	8	28	306	39	965	35	10,634	36							
		3	Quite a bit	11	38	210	27	721	26	8,031	27							
		4	Very much	5	17	110	14	448	16	4,460	15							
			Total	29	100	789	100	2,768	100	29,553	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	1	3	44	6	235	8	2,388	8	2.9	2.9	-.06	2.9	.01	2.9	.03
		2	Some	8	28	175	22	670	24	7,473	25							
		3	Quite a bit	13	45	345	44	1,021	37	11,111	38							
		4	Very much	7	24	223	28	839	30	8,508	29							
			Total	29	100	787	100	2,765	100	29,480	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	4	14	100	13	445	16	4,162	14	2.4	2.6	-.12	2.5	-.10	2.6	-.14
		2	Some	13	45	289	37	919	33	9,831	33							
		3	Quite a bit	7	24	256	33	844	30	9,543	32							
		4	Very much	5	17	141	18	562	20	5,881	20							
			Total	29	100	786	100	2,770	100	29,417	100							

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Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

First-Year Students[a] in Bio, Math, PhysSci

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 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	1	3	7	1	14	1	127	0	14.4	14.7	-.03	16.5	-.23	16.6	-.25
		3	1-5 hrs	4	13	93	12	269	10	2,969	10							
		8	6-10 hrs	5	17	191	24	526	19	5,392	18							
		13	11-15 hrs	8	27	171	22	573	21	5,920	20							
		18	16-20 hrs	5	17	149	19	536	19	5,681	19							
		23	21-25 hrs	3	10	82	10	395	14	4,184	14							
		28	26-30 hrs	3	10	48	6	205	7	2,639	9							
		33	More than 30 hrs	1	3	50	6	274	10	2,832	10							
			Total	30	100	791	100	2,792	100	29,744	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	11	37	194	25	910	33	9,242	31	4.2	5.7	-.23	4.9	-.11	5.3	-.16
		3	1-5 hrs	9	30	306	39	1,022	37	10,795	36							
		8	6-10 hrs	7	23	158	20	423	15	4,724	16							
		13	11-15 hrs	2	7	64	8	212	8	2,291	8							
		18	16-20 hrs	1	3	30	4	129	5	1,396	5							
		23	21-25 hrs	0	0	23	3	44	2	587	2							
		28	26-30 hrs	0	0	6	1	15	1	272	1							
		33	More than 30 hrs	0	0	8	1	20	1	288	1							
			Total	30	100	789	100	2,775	100	29,595	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	19	63	616	77	2,255	81	23,518	79	4.3	2.4	.35	2.3	.36	2.1	.43
		3	1-5 hrs	0	0	32	4	93	3	1,557	5							
		8	6-10 hrs	5	17	77	10	164	6	2,430	8							
		13	11-15 hrs	4	13	33	4	124	4	1,140	4							
		18	16-20 hrs	2	7	25	3	101	4	643	2							
		23	21-25 hrs	0	0	6	1	25	1	203	1							
		28	26-30 hrs	0	0	4	1	11	0	65	0							
		33	More than 30 hrs	0	0	2	0	12	0	143	0							
			Total	30	100	795	100	2,785	100	29,699	100							

Frequency Distributions — Statistical Comparisons[k] — *Your first-year students compared with*

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University of North Dakota

First-Year Students[a] **in Bio, Math, PhysSci**

Frequency Distributions

Statistical Comparisons[k]

Your first-year students compared with

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	%	Plains Public Count	%	Carnegie Class Count	%	NSSE 2015 Count	%	UND Mean	Plains Public Mean	Effect size[n]	Carnegie Class Mean	Effect size[n]	NSSE 2015 Mean	Effect size[n]
d. Working for pay **off campus**	tmworkoffhrs	0	0 hrs	22	73	580	73	2,145	77	22,481	76							
(Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)		3	1-5 hrs	2	7	39	5	114	4	1,477	5							
		8	6-10 hrs	1	3	41	5	115	4	1,598	5							
		13	11-15 hrs	2	7	43	5	104	4	1,322	4							
		18	16-20 hrs	2	7	33	4	128	5	1,196	4	3.3	4.0	-.08	3.5	-.02	3.3	.00
		23	21-25 hrs	1	3	27	3	71	3	701	2							
		28	26-30 hrs	0	0	13	2	42	2	361	1							
		33	More than 30 hrs	0	0	17	2	57	2	442	1							
			Total	30	100	793	100	2,776	100	29,578	100							
Estimated number of hours working for pay	tmworkhrs (Continuous variable created by NSSE)											7.6	6.3	.13	5.7	.19	5.3	.25
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	14	48	453	57	1,541	56	17,006	58							
(Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)		3	1-5 hrs	11	38	267	34	897	33	9,470	32							
		8	6-10 hrs	2	7	49	6	178	6	1,660	6							
		13	11-15 hrs	0	0	8	1	58	2	583	2							
		18	16-20 hrs	2	7	7	1	38	1	369	1	2.9	1.9	.30	2.3	.15	2.2	.19
		23	21-25 hrs	0	0	3	0	18	1	165	1							
		28	26-30 hrs	0	0	1	0	2	0	48	0							
		33	More than 30 hrs	0	0	0	0	10	0	87	0							
			Total	29	100	788	100	2,742	100	29,388	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	9	1	44	2	458	2							
(Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)		3	1-5 hrs	6	20	144	18	610	22	6,257	21							
		8	6-10 hrs	11	37	218	28	771	28	8,502	29							
		13	11-15 hrs	4	13	174	22	556	20	6,001	20							
		18	16-20 hrs	6	20	113	14	346	13	3,766	13	11.8	12.7	-.11	12.2	-.04	12.1	-.03
		23	21-25 hrs	1	3	60	8	174	6	1,950	7							
		28	26-30 hrs	0	0	26	3	91	3	886	3							
		33	More than 30 hrs	2	7	44	6	170	6	1,675	6							
			Total	30	100	788	100	2,762	100	29,495	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions
Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

First-Year Students[a] in Bio, Math, PhysSci

				Frequency Distributions								Statistical Comparisons[k]						
													Your first-year students compared with					
				UND		Plains Public		Carnegie Class		NSSE 2015		UND	Plains Public		Carnegie Class		NSSE 2015	
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]*
g. Providing care for dependents (children, parents, etc.) *(Recoded version of tmcare created by NSSE. Values are estimated number of hours per week.)*	tmcarehrs	0	0 hrs	23	79	658	83	2,187	79	23,283	79	1.7	1.5	.04	2.1	-.07	1.9	-.05
		3	1-5 hrs	2	7	81	10	266	10	3,133	11							
		8	6-10 hrs	2	7	15	2	117	4	1,223	4							
		13	11-15 hrs	2	7	10	1	82	3	702	2							
		18	16-20 hrs	0	0	13	2	42	2	448	2							
		23	21-25 hrs	0	0	4	1	19	1	218	1							
		28	26-30 hrs	0	0	4	1	11	0	110	0							
		33	More than 30 hrs	0	0	7	1	42	2	359	1							
			Total	29	100	792	100	2,766	100	29,476	100							
h. Commuting to campus (driving, walking, etc.) *(Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.)*	tmcommutehrs	0	0 hrs	6	20	363	46	1,008	36	12,070	41	5.7	2.8 * ▲	.66	3.8	.37	3.7	.38
		3	1-5 hrs	15	50	328	41	1,153	41	10,910	37							
		8	6-10 hrs	4	13	72	9	402	14	3,904	13							
		13	11-15 hrs	1	3	12	2	106	4	1,556	5							
		18	16-20 hrs	2	7	12	2	70	3	645	2							
		23	21-25 hrs	2	7	3	0	19	1	242	1							
		28	26-30 hrs	0	0	4	1	8	0	104	0							
		33	More than 30 hrs	0	0	3	0	19	1	201	1							
			Total	30	100	797	100	2,785	100	29,632	100							

16. Of the time you spend preparing for class in a typical 7-day week, about how much is on *assigned reading?*

Item wording or description	*Variable name*	*Values*	*Response options*	Count	%	Count	%	Count	%	Count	%	Mean	Mean	*Effect size*	Mean	*Effect size*	Mean	*Effect size*
reading *(Revised for 2014. Comparison data are limited to NSSE 2014 participating institutions.)*		1	Very little	5	18	117	15	368	13	3,784	13	2.5	2.5	-.08	2.7	-.19	2.7	-.21
		2	Some	11	39	298	38	990	36	10,199	34							
		3	About half	7	25	238	30	758	27	8,568	29							
		4	Most	4	14	110	14	486	18	5,251	18							
		5	Almost all	1	4	30	4	171	6	1,791	6							
			Total	28	100	793	100	2,773	100	29,593	100							
tmreadinghrs *(Continuous variable created by NSSE. Calculated as a proportion of tmprephrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)*												5.5	6.0	-.10	7.2	-.28	7.4	-.31

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions
Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

First-Year Students[a] in Bio, Math, PhysSci

				Frequency Distributions								Statistical Comparisons[k]						
												Your first-year students compared with						
				UND		Plains Public		Carnegie Class		NSSE 2015		UND	Plains Public		Carnegie Class		NSSE 2015	
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]
	tmreadinghrscol	1	0 hrs	1	4	7	1	14	1	114	0							
(Collapsed version of tmreadinghrs *created by NSSE.)*		2	More than zero, up to 5 hrs	16	57	410	52	1,285	47	13,427	46							
		3	More than 5, up to 10 hrs	7	25	253	32	847	31	8,857	30							
		4	More than 10, up to 15 hrs	1	4	60	8	276	10	3,389	12							
		5	More than 15, up to 20 hrs	3	11	30	4	171	6	1,839	6							
		6	More than 20, up to 25 hrs	0	0	18	2	114	4	1,329	5							
		7	More than 25 hrs	0	0	8	1	51	2	487	2							
			Total	28	100	786	100	2,758	100	29,442	100							

17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?

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]
a. Writing clearly and effectively	pgwrite	1	Very little	1	3	97	12	325	12	3,128	10							
		2	Some	13	43	233	29	776	28	8,358	28							
		3	Quite a bit	8	27	306	39	1,044	37	11,470	38	2.8	2.7	.12	2.7	.05	2.7	.03
		4	Very much	8	27	157	20	648	23	6,850	23							
			Total	30	100	793	100	2,793	100	29,806	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	3	10	111	14	490	18	5,103	17							
		2	Some	10	33	250	32	928	33	9,704	33							
		3	Quite a bit	14	47	303	38	895	32	9,652	33	2.6	2.6	.00	2.5	.09	2.5	.06
		4	Very much	3	10	128	16	471	17	5,237	18							
			Total	30	100	792	100	2,784	100	29,696	100							
c. Thinking critically and analytically	pgthink	1	Very little	0	0	33	4	121	4	1,046	4							
		2	Some	7	25	142	18	557	20	5,464	18							
		3	Quite a bit	12	43	337	43	1,175	42	12,543	42	3.1	3.1	-.02	3.0	.03	3.1	-.04
		4	Very much	9	32	279	35	930	33	10,685	36							
			Total	28	100	791	100	2,783	100	29,738	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	2	7	68	9	262	9	2,358	8							
		2	Some	9	30	208	26	750	27	7,752	26							
		3	Quite a bit	12	40	303	38	1,028	37	11,338	38	2.8	2.8	-.04	2.8	-.01	2.9	-.06
		4	Very much	7	23	213	27	739	27	8,263	28							
			Total	30	100	792	100	2,779	100	29,711	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions
Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

First-Year Students[a] in Bio, Math, PhysSci

Frequency Distributions — Statistical Comparisons[k]

Your first-year students compared with

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	3	10	106	13	513	18	5,523	19							
		2	Some	14	47	284	36	967	35	10,242	34							
		3	Quite a bit	11	37	272	34	848	30	8,853	30	2.4	2.5	-.15	2.4	-.05	2.5	-.06
		4	Very much	2	7	132	17	454	16	5,118	17							
			Total	30	100	794	100	2,782	100	29,736	100							
f. Working effectively with others	pgothers	1	Very little	2	7	54	7	275	10	2,647	9							
		2	Some	13	45	237	30	827	30	8,826	30							
		3	Quite a bit	7	24	327	41	1,088	39	11,359	38	2.7	2.8	-.15	2.7	-.07	2.8	-.11
		4	Very much	7	24	173	22	586	21	6,857	23							
			Total	29	100	791	100	2,776	100	29,689	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	5	17	124	16	469	17	5,092	17							
		2	Some	10	33	263	33	798	29	8,857	30							
		3	Quite a bit	11	37	267	34	938	34	9,485	32	2.5	2.5	-.06	2.6	-.11	2.6	-.10
		4	Very much	4	13	136	17	571	21	6,256	21							
			Total	30	100	790	100	2,776	100	29,690	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	4	13	106	13	405	15	4,755	16							
		2	Some	11	37	258	33	828	30	9,046	30							
		3	Quite a bit	9	30	262	33	923	33	9,394	32	2.6	2.6	-.05	2.6	-.07	2.6	-.03
		4	Very much	6	20	165	21	625	22	6,539	22							
			Total	30	100	791	100	2,781	100	29,734	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	5	17	103	13	435	16	4,377	15							
		2	Some	9	30	289	37	939	34	10,153	34							
		3	Quite a bit	10	33	278	35	909	33	9,657	32	2.6	2.5	.05	2.5	.04	2.6	.02
		4	Very much	6	20	120	15	499	18	5,548	19							
			Total	30	100	790	100	2,782	100	29,735	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	6	20	123	16	460	17	5,016	17							
		2	Some	9	30	271	34	953	34	10,078	34							
		3	Quite a bit	10	33	269	34	863	31	9,170	31	2.5	2.5	-.04	2.5	-.04	2.5	-.03
		4	Very much	5	17	124	16	499	18	5,326	18							
			Total	30	100	787	100	2,775	100	29,590	100							

First-Year Students[a] in Bio, Math, PhysSci

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
18. How would you evaluate your entire educational experience at this institution?																		
	evalexp	1	Poor	0	0	7	1	50	2	565	2							
		2	Fair	5	16	82	10	368	13	3,644	12							
		3	Good	19	61	433	54	1,441	51	14,877	50	**3.1**	3.2	-.24	3.2	-.15	3.2	-.19
		4	Excellent	7	23	275	35	947	34	10,794	36							
			Total	31	100	797	100	2,806	100	29,880	100							
19. If you could start over again, would you go to the *same institution* you are now attending?																		
	sameinst	1	Definitely no	1	3	16	2	121	4	1,113	4							
		2	Probably no	4	13	98	12	378	13	3,698	12							
		3	Probably yes	18	58	348	44	1,183	42	12,881	43	**3.1**	3.3	-.26	3.2	-.14	3.2	-.18
		4	Definitely yes	8	26	334	42	1,124	40	12,208	41							
			Total	31	100	796	100	2,806	100	29,900	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions
Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

Seniors[a] in Bio, Math, PhysSci

				Frequency Distributions								Statistical Comparisons[k]						
													Your seniors compared with					
				UND		Plains Public		Carnegie Class		NSSE 2015		UND	Plains Public		Carnegie Class		NSSE 2015	
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]
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	1	4	29	2	174	5	1,317	4	3.0	3.0	.04	2.9	.14	3.0	.05
		2	Sometimes	5	22	332	29	1,239	32	9,840	29							
		3	Often	9	39	401	35	1,190	31	10,628	31							
		4	Very often	8	35	399	34	1,255	33	12,361	36							
			Total	23	100	1,161	100	3,858	100	34,146	100							
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	4	17	271	23	923	24	7,853	23	2.4	2.3	.06	2.3	.09	2.3	.06
		2	Sometimes	10	43	425	37	1,431	37	12,505	37							
		3	Often	5	22	270	23	914	24	8,292	24							
		4	Very often	4	17	193	17	575	15	5,394	16							
			Total	23	100	1,159	100	3,843	100	34,044	100							
c. Come to class without completing readings or assignments	unpreparedr (Reverse-coded version of unprepared created by NSSE.)	1	Very often	1	5	55	5	237	6	2,141	6	3.3	3.0	.37	2.9 * ▲	.46	2.9 * ▲	.43
		2	Often	0	0	183	16	605	16	5,173	15							
		3	Sometimes	13	59	637	55	2,229	58	19,323	57							
		4	Never	8	36	281	24	766	20	7,328	22							
			Total	22	100	1,156	100	3,837	100	33,965	100							
d. Attended an art exhibit, play or other arts performance (dance, music, etc.)	attendart	1	Never	13	57	517	45	1,609	42	13,692	40	1.5	1.7	-.32	1.8	-.40	1.8 * ▼	-.43
		2	Sometimes	9	39	478	41	1,521	40	13,728	40							
		3	Often	1	4	121	10	483	13	4,465	13							
		4	Very often	0	0	43	4	223	6	2,065	6							
			Total	23	100	1,159	100	3,836	100	33,950	100							
e. Asked another student to help you understand course material	CLaskhelp	1	Never	0	0	86	7	354	9	2,794	8	3.2	2.6 *** ▲	.68	2.6 *** ▲	.68	2.6 *** ▲	.65
		2	Sometimes	3	13	508	44	1,643	43	14,128	42							
		3	Often	13	57	360	31	1,154	30	10,868	32							
		4	Very often	7	30	205	18	688	18	6,213	18							
			Total	23	100	1,159	100	3,839	100	34,003	100							
f. Explained course material to one or more students	CLexplain	1	Never	1	4	23	2	117	3	732	2	3.2	2.9	.30	2.9	.31	2.9	.28
		2	Sometimes	4	17	339	29	1,161	30	9,838	29							
		3	Often	8	35	482	42	1,492	39	13,801	41							
		4	Very often	10	43	310	27	1,057	28	9,577	28							
			Total	23	100	1,154	100	3,827	100	33,948	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions
Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

Seniors[a] in Bio, Math, PhysSci

Frequency Distributions — Statistical Comparisons[k]

Your seniors compared with

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	1	4	137	12	548	14	4,020	12							
		2	Sometimes	5	22	447	39	1,384	36	11,992	35							
		3	Often	7	30	331	29	1,041	27	9,867	29	3.1	2.6 ** ▲	.57	2.6 ** ▲	.55	2.7 * ▲	.49
		4	Very often	10	43	242	21	874	23	8,164	24							
			Total	23	100	1,157	100	3,847	100	34,043	100							
h. Worked with other students on course projects or assignments	CLproject	1	Never	1	4	49	4	260	7	1,697	5							
		2	Sometimes	5	22	396	34	1,407	37	11,055	33							
		3	Often	6	26	426	37	1,300	34	12,430	37	3.2	2.8 * ▲	.42	2.7 * ▲	.50	2.8	.39
		4	Very often	11	48	285	25	877	23	8,830	26							
			Total	23	100	1,156	100	3,844	100	34,012	100							
i. Given a course presentation	present	1	Never	4	17	130	11	633	16	3,831	11							
		2	Sometimes	6	26	507	44	1,598	42	12,865	38							
		3	Often	10	43	344	30	1,056	27	10,609	31	2.5	2.5	.04	2.4	.13	2.6	-.08
		4	Very often	3	13	177	15	554	14	6,690	20							
			Total	23	100	1,158	100	3,841	100	33,995	100							

2. During the current school year, about how often have you done the following?

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	0	0	19	2	132	3	929	3							
		2	Sometimes	4	17	298	26	1,005	26	9,100	27							
		3	Often	8	35	488	42	1,551	40	13,720	40	3.3	3.0	.36	3.0	.40	3.0	.39
		4	Very often	11	48	355	31	1,154	30	10,258	30							
			Total	23	100	1,160	100	3,842	100	34,007	100							
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	2	9	96	8	355	9	3,108	9							
		2	Sometimes	8	35	459	40	1,493	39	12,672	37							
		3	Often	8	35	399	35	1,212	32	11,216	33	2.7	2.6	.10	2.6	.08	2.6	.06
		4	Very often	5	22	202	17	764	20	6,858	20							
			Total	23	100	1,156	100	3,824	100	33,854	100							
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	3	13	217	19	764	20	6,455	19							
		2	Sometimes	15	65	535	46	1,593	42	14,146	42							
		3	Often	1	4	276	24	963	25	8,598	25	2.3	2.3	-.02	2.3	-.06	2.3	-.08
		4	Very often	4	17	132	11	512	13	4,694	14							
			Total	23	100	1,160	100	3,832	100	33,893	100							

NSSE national survey of student engagement

Seniors[a] in Bio, Math, PhysSci

Frequency Distributions | **Statistical Comparisons[k]**

Your seniors compared with

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	1	4	72	6	271	7	2,382	7							
		2	Sometimes	11	48	441	38	1,332	35	11,951	35							
		3	Often	8	35	427	37	1,439	38	12,941	38	2.6	2.7	-.14	2.7	-.17	2.7	-.16
		4	Very often	3	13	215	19	778	20	6,593	19							
			Total	23	100	1,155	100	3,820	100	33,867	100							
e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	RIperspect	1	Never	0	0	54	5	206	5	1,862	5							
		2	Sometimes	9	39	403	35	1,174	31	10,485	31							
		3	Often	10	43	457	40	1,517	40	13,781	41	2.8	2.8	.02	2.8	-.05	2.8	-.03
		4	Very often	4	17	240	21	931	24	7,737	23							
			Total	23	100	1,154	100	3,828	100	33,865	100							
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	0	0	33	3	122	3	861	3							
		2	Sometimes	7	30	387	34	1,181	31	10,054	30							
		3	Often	8	35	483	42	1,563	41	14,295	42	3.0	2.8	.27	2.9	.20	2.9	.17
		4	Very often	8	35	251	22	962	25	8,614	25							
			Total	23	100	1,154	100	3,828	100	33,824	100							
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	0	0	13	1	54	1	459	1							
		2	Sometimes	2	9	207	18	676	18	5,926	18							
		3	Often	11	48	501	43	1,621	42	14,673	43	3.3	3.2	.23	3.2	.22	3.2	.23
		4	Very often	10	43	436	38	1,470	38	12,699	38							
			Total	23	100	1,157	100	3,821	100	33,757	100							

3. During the current school year, about how often have you done the following?

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
a. Talked about career plans with a faculty member	SFcareer	1	Never	3	13	136	12	633	16	5,037	15							
		2	Sometimes	7	30	456	39	1,603	42	13,295	39							
		3	Often	9	39	320	28	922	24	8,788	26	2.6	2.6	.03	2.4	.19	2.5	.10
		4	Very often	4	17	245	21	681	18	6,822	20							
			Total	23	100	1,157	100	3,839	100	33,942	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	8	35	380	33	1,445	38	12,415	37							
		2	Sometimes	11	48	364	32	1,138	30	10,282	30							
		3	Often	3	13	231	20	670	17	6,165	18	1.9	2.2	-.30	2.1	-.22	2.1	-.23
		4	Very often	1	4	179	16	583	15	5,012	15							
			Total	23	100	1,154	100	3,836	100	33,874	100							

Seniors[a] in Bio, Math, PhysSci

				Frequency Distributions									Statistical Comparisons[k]						
				UND		**Plains Public**		**Carnegie Class**		**NSSE 2015**		**UND**	Your seniors compared with					
													Plains Public		**Carnegie Class**		**NSSE 2015**	
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	3	13	195	17	877	23	6,541	19							
		2	Sometimes	13	57	491	43	1,587	41	13,682	40							
		3	Often	4	17	297	26	838	22	8,364	25	2.3	2.4	-.09	2.3	.04	2.4	-.06
		4	Very often	3	13	171	15	536	14	5,288	16							
			Total	23	100	1,154	100	3,838	100	33,875	100							
d. Discussed your academic performance with a faculty member	SFperform	1	Never	5	22	265	23	924	24	7,823	23							
		2	Sometimes	13	57	523	45	1,715	45	14,766	44							
		3	Often	4	17	222	19	749	20	7,129	21	2.0	2.2	-.18	2.2	-.15	2.2	-.19
		4	Very often	1	4	142	12	437	11	4,108	12							
			Total	23	100	1,152	100	3,825	100	33,826	100							

4. During the current school year, how much has your coursework emphasized the following?

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]
a. Memorizing course material	memorize	1	Very little	1	4	48	4	155	4	1,516	4							
		2	Some	3	13	271	23	789	21	7,591	22							
		3	Quite a bit	10	43	468	40	1,471	38	12,999	38	3.2	3.0	.20	3.1	.10	3.0	.16
		4	Very much	9	39	372	32	1,432	37	11,891	35							
			Total	23	100	1,159	100	3,847	100	33,997	100							
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	0	0	25	2	105	3	798	2							
		2	Some	1	4	203	18	648	17	5,535	16							
		3	Quite a bit	4	17	505	44	1,618	42	14,287	42	3.7	3.1 *** ▲	.77	3.2 *** ▲	.73	3.2 *** ▲	.71
		4	Very much	18	78	417	36	1,464	38	13,284	39							
			Total	23	100	1,150	100	3,835	100	33,904	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	1	4	41	4	182	5	1,468	4							
		2	Some	3	13	256	22	784	21	6,928	21							
		3	Quite a bit	5	22	461	40	1,480	39	13,322	39	3.4	3.0	.41	3.1	.38	3.1	.38
		4	Very much	14	61	389	34	1,373	36	12,063	36							
			Total	23	100	1,147	100	3,819	100	33,781	100							
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	1	5	79	7	365	10	3,066	9							
		2	Some	7	32	410	36	1,176	31	9,897	29							
		3	Quite a bit	7	32	402	35	1,347	35	12,389	37	2.9	2.7	.20	2.7	.17	2.8	.14
		4	Very much	7	32	263	23	937	24	8,483	25							
			Total	22	100	1,154	100	3,825	100	33,835	100							

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University of North Dakota

Seniors[a] in Bio, Math, PhysSci

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	1	4	72	6	297	8	2,239	7							
		2	Some	4	17	323	28	961	25	8,862	26							
		3	Quite a bit	8	35	445	39	1,507	39	13,303	39	3.2	2.9	.35	2.9	.33	2.9	.33
		4	Very much	10	43	309	27	1,061	28	9,413	28							
			Total	23	100	1,149	100	3,826	100	33,817	100							

5. During the current school year, to what extent have your instructors done the following?

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
a. Clearly explained course goals and requirements	ETgoals	1	Very little	0	0	17	1	71	2	582	2							
		2	Some	1	4	178	15	624	16	5,208	15							
		3	Quite a bit	16	70	533	46	1,748	45	15,276	45	3.2	3.2	.04	3.2	.07	3.2	.03
		4	Very much	6	26	433	37	1,412	37	13,029	38							
			Total	23	100	1,161	100	3,855	100	34,095	100							
b. Taught course sessions in an organized way	ETorganize	1	Very little	0	0	23	2	73	2	601	2							
		2	Some	3	13	203	18	652	17	5,496	16							
		3	Quite a bit	12	52	548	47	1,827	47	16,123	47	3.2	3.1	.13	3.1	.12	3.2	.09
		4	Very much	8	35	385	33	1,295	34	11,808	35							
			Total	23	100	1,159	100	3,847	100	34,028	100							
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	1	4	22	2	98	3	675	2							
		2	Some	1	4	164	14	640	17	5,066	15							
		3	Quite a bit	7	30	499	43	1,592	42	13,997	41	3.5	3.2	.33	3.2	.38	3.2	.32
		4	Very much	14	61	471	41	1,506	39	14,214	42							
			Total	23	100	1,156	100	3,836	100	33,952	100							
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	1	4	111	10	547	14	4,379	13							
		2	Some	6	26	377	33	1,311	34	10,652	31							
		3	Quite a bit	10	43	393	34	1,191	31	11,004	32	2.9	2.7	.21	2.6	.35	2.7	.26
		4	Very much	6	26	272	24	787	21	7,918	23							
			Total	23	100	1,153	100	3,836	100	33,953	100							
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	1	4	84	7	318	8	2,496	7							
		2	Some	8	35	326	28	1,136	30	9,603	28							
		3	Quite a bit	9	39	459	40	1,494	39	13,290	39	2.8	2.8	-.04	2.8	.02	2.8	-.04
		4	Very much	5	22	284	25	886	23	8,459	25							
			Total	23	100	1,153	100	3,834	100	33,848	100							

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Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

Seniors[a] in Bio, Math, PhysSci

Frequency Distributions | **Statistical Comparisons[k]** (Your seniors compared with)

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 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	1	4	45	4	246	6	1,723	5							
		2	Sometimes	7	30	304	26	917	24	8,232	24							
		3	Often	4	17	440	38	1,476	38	12,778	37	3.1	3.0	.12	2.9	.15	3.0	.11
		4	Very often	11	48	372	32	1,216	32	11,377	33							
			Total	23	100	1,161	100	3,855	100	34,110	100							
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	3	13	157	14	665	17	5,409	16							
		2	Sometimes	6	26	404	35	1,297	34	11,486	34							
		3	Often	5	22	345	30	1,085	28	9,738	29	2.9	2.6	.28	2.5	.34	2.6	.31
		4	Very often	9	39	253	22	804	21	7,411	22							
			Total	23	100	1,159	100	3,851	100	34,044	100							
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	2	9	100	9	484	13	3,617	11							
		2	Sometimes	7	30	427	37	1,271	33	11,133	33							
		3	Often	5	22	372	32	1,229	32	11,234	33	2.9	2.7	.25	2.6	.28	2.7	.23
		4	Very often	9	39	258	22	864	22	8,002	24							
			Total	23	100	1,157	100	3,848	100	33,986	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	2	9	87	8	368	10	2,400	7							
		1.5	1-2	8	35	269	24	832	22	6,843	21							
		4	3-5	5	22	328	29	982	26	9,314	28							
		8	6-10	3	13	227	20	771	21	7,030	21	5.3	6.5	-.21	6.7	-.22	7.0	-.28
		13	11-15	5	22	106	9	355	9	3,327	10							
		18	16-20	0	0	48	4	181	5	1,690	5							
		23	More than 20	0	0	71	6	251	7	2,384	7							
			Total	23	100	1,136	100	3,740	100	32,988	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	6	27	316	28	1,032	28	7,188	22							
		1.5	1-2	10	45	450	40	1,384	38	12,203	37							
		4	3-5	5	23	220	20	755	21	8,173	25							
		8	6-10	1	5	89	8	313	9	3,363	10	2.0	2.7	-.20	2.9 * ▽	-.24	3.3 ** ▼	-.33
		13	11-15	0	0	23	2	102	3	1,065	3							
		18	16-20	0	0	10	1	42	1	380	1							
		23	More than 20	0	0	10	1	47	1	378	1							
			Total	22	100	1,118	100	3,675	100	32,750	100							

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Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

Seniors[a] in Bio, Math, PhysSci

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
c. 11 pages or more	wrlongnum	0	None	13	62	587	54	1,888	53	13,792	43							
(Recoded version of wrlong *created by NSSE. Values are estimated number of papers, reports, etc.)*		1.5	1-2	6	29	379	35	1,226	34	12,752	40							
		4	3-5	2	10	68	6	279	8	3,394	11							
		8	6-10	0	0	30	3	87	2	1,146	4	.8	1.5	-.21	1.5	-.22	1.8	-.31
		13	11-15	0	0	17	2	61	2	486	2							
		18	16-20	0	0	5	0	17	0	225	1							
		23	More than 20	0	0	9	1	32	1	305	1							
			Total	21	100	1,095	100	3,590	100	32,100	100							
Estimated number of assigned pages of student writing. *(Continuous variable, recoded and summed by NSSE from* wrshort, wrmed, *and* wrlong. *Values are estimated pages of assigned writing.)*	wrpages											43.5	61.1	-.24	64.2	-.27	72.8 *** ▼	-.37

8. During the current school year, about how often have you had discussions with people from the following groups?

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
a. People of a race or ethnicity other than your own	DDrace	1	Never	1	4	94	8	243	6	1,690	5							
		2	Sometimes	8	33	399	34	959	25	8,357	25							
		3	Often	10	42	335	29	1,066	28	9,396	28	2.8	2.8	.01	3.0	-.26	3.1	-.32
		4	Very often	5	21	334	29	1,586	41	14,651	43							
			Total	24	100	1,162	100	3,854	100	34,094	100							
b. People from an economic background other than your own	DDeconomic	1	Never	0	0	64	6	193	5	1,495	4							
		2	Sometimes	6	25	298	26	867	23	7,737	23							
		3	Often	14	58	435	37	1,310	34	11,331	33	2.9	2.9	-.03	3.1	-.16	3.1	-.18
		4	Very often	4	17	364	31	1,478	38	13,453	40							
			Total	24	100	1,161	100	3,848	100	34,016	100							
c. People with religious beliefs other than your own	DDreligion	1	Never	0	0	78	7	333	9	2,005	6							
		2	Sometimes	7	29	317	27	952	25	8,264	24							
		3	Often	11	46	360	31	1,084	28	10,019	29	3.0	2.9	.02	3.0	-.01	3.0	-.09
		4	Very often	6	25	399	35	1,477	38	13,692	40							
			Total	24	100	1,154	100	3,846	100	33,980	100							
d. People with political views other than your own	DDpolitical	1	Never	1	4	67	6	234	6	1,997	6							
		2	Sometimes	4	17	298	26	1,023	27	8,886	26							
		3	Often	13	54	399	35	1,159	30	10,580	31	3.0	3.0	.04	3.0	.02	3.0	.02
		4	Very often	6	25	392	34	1,409	37	12,373	37							
			Total	24	100	1,156	100	3,825	100	33,836	100							

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University of North Dakota

Seniors[a] in Bio, Math, PhysSci

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 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	32	3	92	2	766	2	3.6	3.1 ** ▲	.57	3.2 * ▲	.47	3.2 * ▲	.45
		2	Sometimes	1	4	216	19	639	17	5,515	16							
		3	Often	8	33	480	42	1,503	39	13,139	39							
		4	Very often	15	63	428	37	1,620	42	14,613	43							
			Total	24	100	1,156	100	3,854	100	34,033	100							
b. Reviewed your notes after class	LSnotes	1	Never	2	9	88	8	261	7	2,588	8	2.9	2.8	.05	2.9	-.02	2.9	.02
		2	Sometimes	7	30	380	33	1,170	30	10,701	31							
		3	Often	6	26	332	29	1,145	30	9,906	29							
		4	Very often	8	35	354	31	1,273	33	10,783	32							
			Total	23	100	1,154	100	3,849	100	33,978	100							
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	1	4	84	7	278	7	2,355	7	3.2	2.8 * ▲	.41	2.9	.36	2.9	.35
		2	Sometimes	3	13	344	30	1,094	29	9,705	29							
		3	Often	10	42	398	35	1,257	33	11,246	33							
		4	Very often	10	42	320	28	1,179	31	10,389	31							
			Total	24	100	1,146	100	3,808	100	33,695	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	2	0	29	1	190	1	6.3	5.6 ** ▲	.56	5.6 * ▲	.51	5.6 ** ▲	.53
		2		0	0	15	1	47	1	372	1							
		3		0	0	31	3	128	3	964	3							
		4		0	0	110	10	351	9	2,895	9							
		5		5	21	336	29	1,026	27	9,544	28							
		6		8	33	382	33	1,233	32	11,538	34							
		7	Very much	11	46	279	24	1,029	27	8,531	25							
			Total	24	100	1,155	100	3,843	100	34,034	100							
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	2	9	90	8	331	9	2,638	8	57%	50%	.13	50%	.13	52%	.09
			Do not plan to do	5	22	220	19	670	17	6,592	19							
			Plan to do	3	13	268	23	922	24	7,130	21							
			Done or in progress	13	57	580	50	1,923	50	17,715	52							
			Total	23	100	1,158	100	3,846	100	34,075	100							

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University of North Dakota

Seniors[a] in Bio, Math, PhysSci

Frequency Distributions — **Statistical Comparisons[k]**

Your seniors compared with

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
b. Hold a formal leadership role in a student organization or group *(Means indicate the percentage who responded "Done or in progress.")*	leader		Have not decided	1	4	70	6	326	8	2,602	8	52%	48%	.09	40%	.24	45%	.15
			Do not plan to do	9	39	463	40	1,656	43	13,989	41							
			Plan to do	1	4	74	6	321	8	2,198	6							
			Done or in progress	12	52	550	48	1,543	40	15,223	45							
			Total	23	100	1,157	100	3,846	100	34,012	100							
c. Participate in a learning community or some other formal program where groups of students take two or more classes together *(Means indicate the percentage who responded "Done or in progress.")*	learncom		Have not decided	2	9	127	11	395	10	3,574	11	17%	24%	-.15	23%	-.15	24%	-.16
			Do not plan to do	16	70	682	59	2,257	59	19,856	59							
			Plan to do	1	4	72	6	284	7	2,399	7							
			Done or in progress	4	17	272	24	900	23	8,097	24							
			Total	23	100	1,153	100	3,836	100	33,926	100							
d. Participate in a study abroad program *(Means indicate the percentage who responded "Done or in progress.")*	abroad		Have not decided	1	4	123	11	456	12	3,500	10	0%	15% * ▼	-.79	14%	-.76	17% * ▼	-.85
			Do not plan to do	22	96	786	68	2,559	67	22,138	65							
			Plan to do	0	0	71	6	288	8	2,484	7							
			Done or in progress	0	0	172	15	523	14	5,778	17							
			Total	23	100	1,152	100	3,826	100	33,900	100							
e. Work with a faculty member on a research project *(Means indicate the percentage who responded "Done or in progress.")*	research		Have not decided	3	13	130	11	414	11	3,392	10	30%	46%	-.32	47%	-.35	48%	-.36
			Do not plan to do	10	43	353	31	983	26	9,598	28							
			Plan to do	3	13	143	12	624	16	4,728	14							
			Done or in progress	7	30	526	46	1,814	47	16,180	48							
			Total	23	100	1,152	100	3,835	100	33,898	100							
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.) *(Means indicate the percentage who responded "Done or in progress.")*	capstone		Have not decided	0	0	99	9	450	12	3,223	10	74%	48% * ▲	.54	36% *** ▲	.79	46% ** ▲	.59
			Do not plan to do	0	0	223	19	1,197	31	9,497	28							
			Plan to do	6	26	280	24	824	21	5,737	17							
			Done or in progress	17	74	554	48	1,365	36	15,458	46							
			Total	23	100	1,156	100	3,836	100	33,915	100							

12. About how many of your courses at this institution have included a community-based project (service-learning)?

	Variable name	Values	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size	Carnegie Class Mean	Carnegie Class Effect size	NSSE 2015 Mean	NSSE 2015 Effect size
	servcourse	1	None	17	71	530	46	2,053	54	17,088	50	1.4	1.6	-.36	1.5	-.22	1.5	-.28
		2	Some	5	21	584	50	1,643	43	15,374	45							
		3	Most	2	8	36	3	118	3	1,292	4							
		4	All	0	0	7	1	19	0	170	1							
			Total	24	100	1,157	100	3,833	100	33,924	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions
Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

Seniors[a] in Bio, Math, PhysSci

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
13. Indicate the quality of your interactions with the following people at your institution.																		
a. Students	QIstudent	1	Poor	1	4	12	1	49	1	380	1							
		2		0	0	11	1	79	2	560	2							
		3		1	4	37	3	165	4	1,259	4							
		4		2	9	90	8	371	10	2,914	9							
		5		4	17	235	20	889	23	7,713	23	5.6	5.8	-.13	5.6	.01	5.7	-.05
		6		8	35	412	36	1,170	30	10,774	32							
		7	Excellent	7	30	358	31	1,118	29	10,413	31							
		—	Not applicable	0	0	3	0	15	0	122	0							
			Total	23	100	1,158	100	3,856	100	34,135	100							
b. Academic advisors	QIadvisor	1	Poor	0	0	54	5	255	7	1,787	5							
		2		2	9	54	5	256	7	1,912	6							
		3		0	0	82	7	338	9	2,600	8							
		4		3	13	142	12	531	14	4,120	12							
		5		1	4	214	18	726	19	6,046	18	5.7	5.3	.28	4.9 *	.46	5.1	.35
		6		8	35	229	20	796	21	7,134	21				▲			
		7	Excellent	9	39	376	32	900	23	9,569	28							
		—	Not applicable	0	0	7	1	50	1	916	3							
			Total	23	100	1,158	100	3,852	100	34,084	100							
c. Faculty	QIfaculty	1	Poor	0	0	12	1	75	2	560	2							
		2		0	0	24	2	91	2	771	2							
		3		3	13	41	4	192	5	1,528	5							
		4		3	13	116	10	466	12	3,580	11							
		5		2	9	304	26	916	24	7,710	23	5.6	5.5	.01	5.4	.12	5.5	.04
		6		8	35	355	31	1,214	32	10,588	31							
		7	Excellent	7	30	297	26	857	22	8,974	26							
		—	Not applicable	0	0	5	0	17	0	167	0							
			Total	23	100	1,154	100	3,828	100	33,878	100							

Seniors[a] in
Bio, Math, PhysSci

						Frequency Distributions								Statistical Comparisons[k]						
															Your seniors compared with					
					UND		Plains Public		Carnegie Class		NSSE 2015		UND	Plains Public		Carnegie Class		NSSE 2015	
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. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor			1	4	37	3	234	6	1,771	5							
		2				2	9	50	4	216	6	1,846	5							
		3				1	4	89	8	322	8	2,735	8							
		4				2	9	158	14	578	15	4,914	14							
		5				6	26	248	21	756	20	6,897	20	5.0	5.0	.03	4.6	.20	4.8	.13
		6				2	9	249	22	653	17	6,537	19							
		7	Excellent			6	26	172	15	501	13	4,866	14							
		—	Not applicable			3	13	151	13	575	15	4,408	13							
			Total			23	100	1,154	100	3,835	100	33,974	100							
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor			1	4	44	4	264	7	2,023	6							
		2				2	9	56	5	253	7	2,090	6							
		3				4	17	81	7	348	9	3,114	9							
		4				2	9	170	15	627	16	5,440	16							
		5				6	26	296	26	873	23	7,704	23	4.7	5.0	-.21	4.6	.01	4.7	-.04
		6				4	17	270	23	753	20	7,167	21							
		7	Excellent			4	17	192	17	537	14	4,908	14							
		—	Not applicable			0	0	44	4	189	5	1,578	5							
			Total			23	100	1,153	100	3,844	100	34,024	100							

14. How much does your institution emphasize the following?

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]*
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little			1	4	18	2	77	2	573	2							
		2	Some			3	13	179	15	543	14	4,426	13							
		3	Quite a bit			12	50	514	45	1,607	42	14,162	42	3.1	3.2	-.10	3.2	-.15	3.3	-.20
		4	Very much			8	33	444	38	1,604	42	14,813	44							
			Total			24	100	1,155	100	3,831	100	33,974	100							
b. Providing support to help students succeed academically	SEacademic	1	Very little			2	8	49	4	196	5	1,612	5							
		2	Some			5	21	266	23	909	24	7,741	23							
		3	Quite a bit			10	42	490	43	1,615	42	14,177	42	2.9	3.0	-.08	2.9	-.04	3.0	-.07
		4	Very much			7	29	346	30	1,102	29	10,275	30							
			Total			24	100	1,151	100	3,822	100	33,805	100							
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little			2	8	75	7	262	7	2,353	7							
		2	Some			5	21	269	23	896	23	8,189	24							
		3	Quite a bit			9	38	444	39	1,477	39	12,929	38	3.0	2.9	.01	2.9	.02	2.9	.04
		4	Very much			8	33	360	31	1,178	31	10,350	31							
			Total			24	100	1,148	100	3,813	100	33,821	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

Seniors[a] in Bio, Math, PhysSci

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	7	29	205	18	727	19	6,329	19							
		2	Some	8	33	404	35	1,259	33	11,432	34							
		3	Quite a bit	5	21	342	30	1,115	29	9,697	29	2.3	2.5	-.22	2.5	-.23	2.5	-.23
		4	Very much	4	17	199	17	717	19	6,448	19							
			Total	24	100	1,150	100	3,818	100	33,906	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	1	4	66	6	293	8	2,591	8							
		2	Some	10	42	280	24	981	26	8,899	26							
		3	Quite a bit	8	33	474	41	1,512	40	13,027	38	2.7	2.9	-.25	2.9	-.17	2.9	-.17
		4	Very much	5	21	327	29	1,033	27	9,367	28							
			Total	24	100	1,147	100	3,819	100	33,884	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	1	4	81	7	350	9	2,940	9							
		2	Some	5	21	271	24	964	25	8,705	26							
		3	Quite a bit	7	29	476	41	1,462	38	13,047	39	3.2	2.9	.30	2.8	.35	2.8	.35
		4	Very much	11	46	321	28	1,044	27	9,169	27							
			Total	24	100	1,149	100	3,820	100	33,861	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	10	42	366	32	1,299	34	11,084	33							
		2	Some	6	25	462	40	1,402	37	12,691	38							
		3	Quite a bit	5	21	239	21	731	19	6,762	20	2.0	2.0	.00	2.1	-.01	2.1	-.03
		4	Very much	3	13	86	7	386	10	3,282	10							
			Total	24	100	1,153	100	3,818	100	33,819	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	4	17	92	8	460	12	3,755	11							
		2	Some	7	29	364	32	1,108	29	10,297	30							
		3	Quite a bit	8	33	433	38	1,345	35	12,120	36	2.6	2.7	-.18	2.7	-.13	2.7	-.12
		4	Very much	5	21	258	22	904	24	7,624	23							
			Total	24	100	1,147	100	3,817	100	33,796	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	7	29	196	17	730	19	5,931	18							
		2	Some	9	38	472	41	1,425	37	12,679	38							
		3	Quite a bit	5	21	327	29	1,105	29	10,028	30	2.2	2.4	-.23	2.4	-.23	2.4	-.27
		4	Very much	3	13	150	13	546	14	5,105	15							
			Total	24	100	1,145	100	3,806	100	33,743	100							

Frequency Distributions

Statistical Comparisons[k] — Your seniors compared with

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

Seniors[a] in
Bio, Math, PhysSci

				Frequency Distributions								Statistical Comparisons[k]							
													Your seniors compared with					
				UND		Plains Public		Carnegie Class		NSSE 2015		UND	Plains Public		Carnegie Class		NSSE 2015	
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]*
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	1	0	14	0	117	0							
		3	1-5 hrs	0	0	138	12	392	10	3,304	10							
		8	6-10 hrs	7	30	257	22	755	20	6,332	19							
		13	11-15 hrs	6	26	225	20	733	19	6,302	19	15.8	15.8	.00	16.6	-.08	17.0	-.13
		18	16-20 hrs	4	17	210	18	719	19	6,435	19							
		23	21-25 hrs	4	17	113	10	478	12	4,509	13							
		28	26-30 hrs	0	0	94	8	329	9	2,932	9							
		33	More than 30 hrs	2	9	115	10	413	11	4,063	12							
			Total	23	100	1,153	100	3,833	100	33,994	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	12	50	365	32	1,423	37	11,146	33							
		3	1-5 hrs	9	38	428	37	1,306	34	11,645	34							
		8	6-10 hrs	0	0	162	14	538	14	5,153	15							
		13	11-15 hrs	1	4	100	9	273	7	2,661	8							
		18	16-20 hrs	1	4	50	4	141	4	1,615	5	3.4	5.2	-.28	4.7	-.21	5.4	-.29
		23	21-25 hrs	1	4	22	2	71	2	805	2							
		28	26-30 hrs	0	0	12	1	26	1	361	1							
		33	More than 30 hrs	0	0	12	1	36	1	423	1							
			Total	24	100	1,151	100	3,814	100	33,809	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	14	58	644	56	2,324	61	19,968	59							
		3	1-5 hrs	1	4	91	8	187	5	3,033	9							
		8	6-10 hrs	3	13	146	13	395	10	4,560	13							
		13	11-15 hrs	3	13	126	11	355	9	2,839	8							
		18	16-20 hrs	3	13	105	9	373	10	2,313	7	5.0	5.3	-.04	5.3	-.03	4.6	.05
		23	21-25 hrs	0	0	20	2	88	2	617	2							
		28	26-30 hrs	0	0	10	1	53	1	256	1							
		33	More than 30 hrs	0	0	12	1	48	1	342	1							
			Total	24	100	1,154	100	3,823	100	33,928	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

Seniors[a] in Bio, Math, PhysSci

Frequency Distributions

Statistical Comparisons[k]

Your seniors compared with

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
d. Working for pay **off campus**	tmworkoffhrs (Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	13	54	555	49	2,157	57	19,554	58	9.3	9.5	-.02	7.8	.13	6.9	.23
		3	1-5 hrs	0	0	57	5	176	5	2,056	6							
		8	6-10 hrs	1	4	80	7	251	7	2,556	8							
		13	11-15 hrs	0	0	101	9	237	6	2,284	7							
		18	16-20 hrs	4	17	102	9	330	9	2,642	8							
		23	21-25 hrs	5	21	93	8	228	6	1,672	5							
		28	26-30 hrs	1	4	64	6	164	4	1,082	3							
		33	More than 30 hrs	0	0	91	8	252	7	1,862	6							
			Total	24	100	1,143	100	3,795	100	33,708	100							
Estimated number of hours working for pay	tmworkhrs (Continuous variable created by NSSE)											14.3	14.7	-.04	13.0	.11	11.5	.25
e. Doing community service or volunteer work	tmservicehrs (Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	12	52	525	46	1,717	45	15,820	47	2.3	2.6	-.06	2.9	-.14	2.9	-.13
		3	1-5 hrs	9	39	497	44	1,482	39	12,868	38							
		8	6-10 hrs	1	4	62	5	350	9	2,961	9							
		13	11-15 hrs	0	0	29	3	131	3	1,043	3							
		18	16-20 hrs	1	4	18	2	49	1	491	1							
		23	21-25 hrs	0	0	4	0	23	1	214	1							
		28	26-30 hrs	0	0	1	0	16	0	120	0							
		33	More than 30 hrs	0	0	3	0	10	0	130	0							
			Total	23	100	1,139	100	3,778	100	33,647	100							
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs (Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	0	0	16	1	103	3	617	2	11.5	11.9	-.05	11.1	.05	11.5	.00
		3	1-5 hrs	3	13	255	22	916	24	7,934	24							
		8	6-10 hrs	8	33	325	28	1,140	30	9,770	29							
		13	11-15 hrs	10	42	243	21	731	19	6,765	20							
		18	16-20 hrs	1	4	145	13	472	12	4,199	12							
		23	21-25 hrs	1	4	76	7	185	5	1,926	6							
		28	26-30 hrs	0	0	38	3	92	2	886	3							
		33	More than 30 hrs	1	4	55	5	170	4	1,628	5							
			Total	24	100	1,153	100	3,809	100	33,725	100							

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Seniors[a] in
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Frequency Distributions

Statistical Comparisons[k]

Your seniors compared with

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	%	Plains Public Count	%	Carnegie Class Count	%	NSSE 2015 Count	%	UND Mean	Plains Public Mean	Effect size[n]	Carnegie Class Mean	Effect size[n]	NSSE 2015 Mean	Effect size[n]
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	20	87	918	80	2,757	72	25,588	76							
(Recoded version		3	1-5 hrs	2	9	98	9	389	10	3,444	10							
of tmcare created		8	6-10 hrs	1	4	31	3	204	5	1,445	4							
by NSSE. Values		13	11-15 hrs	0	0	25	2	120	3	853	3							
are estimated		18	16-20 hrs	0	0	14	1	85	2	600	2	.6	2.5 *** ▽	-.27	3.6 *** ▼	-.37	3.0 *** ▼	-.31
number of hours		23	21-25 hrs	0	0	4	0	41	1	303	1							
per week.)		28	26-30 hrs	0	0	4	0	35	1	237	1							
		33	More than 30 hrs	0	0	48	4	185	5	1,306	4							
			Total	23	100	1,142	100	3,816	100	33,776	100							
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	3	13	144	13	387	10	5,811	17							
(Recoded version		3	1-5 hrs	20	83	801	70	2,323	61	18,640	55							
of tmcommute		8	6-10 hrs	1	4	140	12	743	19	6,221	18							
created by NSSE.		13	11-15 hrs	0	0	47	4	220	6	2,003	6							
Values are		18	16-20 hrs	0	0	11	1	67	2	680	2	2.8	3.9 ** ▼	-.30	5.1 *** ▼	-.44	4.7 *** ▼	-.38
estimated number		23	21-25 hrs	0	0	3	0	31	1	254	1							
of hours per		28	26-30 hrs	0	0	0	0	22	1	112	0							
week.)		33	More than 30 hrs	0	0	4	0	31	1	218	1							
			Total	24	100	1,150	100	3,824	100	33,939	100							

16. Of the time you spend preparing for class in a typical 7-day week, about how much is on *assigned reading?*

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	%	Plains Public Count	%	Carnegie Class Count	%	NSSE 2015 Count	%	UND Mean	Plains Public Mean	Effect size[n]	Carnegie Class Mean	Effect size[n]	NSSE 2015 Mean	Effect size[n]
	reading	1	Very little	3	13	232	20	632	17	5,887	17							
(Revised for 2014.		2	Some	3	13	375	33	1,230	32	11,382	34							
Comparison data		3	About half	6	25	316	27	1,016	27	8,659	26	3.3	2.5 ** ▲	.67	2.7 * ▲	.52	2.6 ** ▲	.56
are limited to		4	Most	9	38	180	16	700	18	5,898	17							
NSSE 2014		5	Almost all	3	13	49	4	243	6	2,067	6							
participating			Total	24	100	1,152	100	3,821	100	33,893	100							
institutions.)																		
	tmreadinghrs																	
(Continuous variable created by NSSE. Calculated as a proportion of tmprephrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)												8.8	6.4	.40	7.2	.25	7.2	.25

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University of North Dakota

Seniors[a] in Bio, Math, PhysSci

				Frequency Distributions								Statistical Comparisons[k]						
													Your seniors compared with					
				UND		Plains Public		Carnegie Class		NSSE 2015		UND	Plains Public		Carnegie Class		NSSE 2015	
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]
tmreadinghrscol		1	0 hrs	0	0	1	0	11	0	107	0							
(Collapsed version of tmreadinghrs created by NSSE.)		2	More than zero, up to 5 hrs	5	22	615	54	1,811	48	16,100	48							
		3	More than 5, up to 10 hrs	11	48	312	27	1,139	30	9,849	29							
		4	More than 10, up to 15 hrs	3	13	104	9	362	10	3,388	10							
		5	More than 15, up to 20 hrs	4	17	60	5	241	6	2,218	7							
		6	More than 20, up to 25 hrs	0	0	42	4	169	4	1,545	5							
		7	More than 25 hrs	0	0	11	1	64	2	522	2							
			Total	23	100	1,145	100	3,797	100	33,729	100							

17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?

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]
a. Writing clearly and effectively	pgwrite	1	Very little	5	21	91	8	339	9	2,460	7							
		2	Some	6	25	319	28	1,047	27	7,955	23							
		3	Quite a bit	8	33	438	38	1,415	37	12,955	38	2.5	2.8	-.32	2.8	-.30	2.9 *	-.43
		4	Very much	5	21	308	27	1,041	27	10,676	31						▼	
			Total	24	100	1,156	100	3,842	100	34,046	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	1	4	103	9	436	11	3,219	9							
		2	Some	8	33	336	29	1,090	28	8,787	26							
		3	Quite a bit	10	42	426	37	1,376	36	12,339	36	2.8	2.8	.01	2.7	.07	2.8	-.05
		4	Very much	5	21	291	25	927	24	9,606	28							
			Total	24	100	1,156	100	3,829	100	33,951	100							
c. Thinking critically and analytically	pgthink	1	Very little	0	0	30	3	129	3	811	2							
		2	Some	3	13	172	15	486	13	3,949	12							
		3	Quite a bit	6	25	408	35	1,445	38	12,153	36	3.5	3.3	.28	3.3	.29	3.3	.21
		4	Very much	15	63	544	47	1,773	46	17,035	50							
			Total	24	100	1,154	100	3,833	100	33,948	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	1	4	45	4	164	4	1,330	4							
		2	Some	3	13	247	21	724	19	6,121	18							
		3	Quite a bit	8	33	404	35	1,385	36	11,888	35	3.3	3.1	.22	3.1	.19	3.2	.14
		4	Very much	12	50	457	40	1,552	41	14,590	43							
			Total	24	100	1,153	100	3,825	100	33,929	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions
Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

Seniors[a] in Bio, Math, PhysSci

Frequency Distributions

Statistical Comparisons[k]

Your seniors compared with

Item wording or description	Variable name[l]	Values[m]	Response options	UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	UND Mean	Plains Public Mean	Plains Public Effect size[n]	Carnegie Class Mean	Carnegie Class Effect size[n]	NSSE 2015 Mean	NSSE 2015 Effect size[n]
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	2	8	117	10	515	13	4,322	13							
		2	Some	7	29	304	26	1,108	29	9,864	29							
		3	Quite a bit	8	33	411	36	1,219	32	10,822	32	2.8	2.8	.02	2.7	.13	2.7	.11
		4	Very much	7	29	324	28	990	26	8,981	26							
			Total	24	100	1,156	100	3,832	100	33,989	100							
f. Working effectively with others	pgothers	1	Very little	0	0	69	6	269	7	2,078	6							
		2	Some	5	21	303	26	1,007	26	8,411	25							
		3	Quite a bit	8	33	466	40	1,491	39	13,242	39	3.3	2.9 * ▲	.41	2.9 * ▲	.42	2.9	.36
		4	Very much	11	46	314	27	1,055	28	10,164	30							
			Total	24	100	1,152	100	3,822	100	33,895	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	4	17	193	17	676	18	5,578	16							
		2	Some	10	42	378	33	1,122	29	9,806	29							
		3	Quite a bit	5	21	340	29	1,104	29	10,205	30	2.5	2.5	-.09	2.6	-.13	2.6	-.17
		4	Very much	5	21	243	21	930	24	8,364	25							
			Total	24	100	1,154	100	3,832	100	33,953	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	6	25	193	17	622	16	5,539	16							
		2	Some	8	33	404	35	1,162	30	10,812	32							
		3	Quite a bit	5	21	336	29	1,179	31	10,033	30	2.4	2.5	-.13	2.6	-.22	2.6	-.20
		4	Very much	5	21	220	19	870	23	7,604	22							
			Total	24	100	1,153	100	3,833	100	33,988	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	0	0	123	11	478	12	3,910	12							
		2	Some	5	21	375	32	1,152	30	10,299	30							
		3	Quite a bit	12	50	400	35	1,316	34	11,520	34	3.1	2.7 * ▲	.43	2.7 * ▲	.42	2.7 * ▲	.39
		4	Very much	7	29	257	22	885	23	8,238	24							
			Total	24	100	1,155	100	3,831	100	33,967	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	3	13	187	16	713	19	5,681	17							
		2	Some	12	50	399	35	1,240	33	11,234	33							
		3	Quite a bit	5	21	359	31	1,142	30	10,177	30	2.4	2.5	-.09	2.5	-.07	2.5	-.12
		4	Very much	4	17	205	18	716	19	6,727	20							
			Total	24	100	1,150	100	3,811	100	33,819	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions
Frequencies and Statistical Comparisons: Bio, Math, PhysSci
University of North Dakota

Seniors[a] in Bio, Math, PhysSci

				Frequency Distributions								Statistical Comparisons[k]						
													Your seniors compared with					
				UND		Plains Public		Carnegie Class		NSSE 2015		UND	Plains Public		Carnegie Class		NSSE 2015	
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]
18. How would you evaluate your entire educational experience at this institution?																		
	evalexp	1	Poor	0	0	25	2	111	3	864	3							
		2	Fair	3	13	147	13	516	13	4,367	13							
		3	Good	13	54	565	49	1,845	48	15,561	46	3.2	3.2	.02	3.2	.05	3.2	-.01
		4	Excellent	8	33	420	36	1,383	36	13,338	39							
			Total	24	100	1,157	100	3,855	100	34,130	100							
19. If you could start over again, would you go to the *same institution* you are now attending?																		
	sameinst	1	Definitely no	1	4	61	5	229	6	1,879	6							
		2	Probably no	3	13	156	13	575	15	5,022	15							
		3	Probably yes	11	46	487	42	1,505	39	13,728	40	3.2	3.2	.01	3.1	.04	3.1	.03
		4	Definitely yes	9	38	457	39	1,549	40	13,520	40							
			Total	24	100	1,161	100	3,858	100	34,149	100							

Bio, Math, PhysSci

Item wording or description	Variable name	Response options	First-Year Students[a] UND Count	%	Plains Public Count	%	Carnegie Class Count	%	NSSE 2015 Count	%	Seniors[a] UND Count	%	Plains Public Count	%	Carnegie Class Count	%	NSSE 2015 Count	%
20a. How many majors do you plan to complete? (Do not count minors.)	MAJnum	One	23	74	682	85	2,391	85	24,503	82	19	79	928	80	3,257	84	28,016	82
		More than one	8	26	118	15	427	15	5,501	18	5	21	236	20	613	16	6,243	18
		Total	31	100	800	100	2,818	100	30,004	100	24	100	1,164	100	3,870	100	34,259	100
First major or expected first major, in NSSE's default related-major categories. (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	0
		Biological Sci., Agriculture, & Natural Resources	24	77	645	81	2,174	77	22,367	75	17	71	910	78	2,921	75	25,431	74
		Physical Sci., Mathematics, & Computer Science	7	23	155	19	644	23	7,639	25	7	29	254	22	950	25	8,829	26
		Social Sciences	0	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	0
		Communications, Media, & Public Relations	0	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	0
		Engineering	0	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	0
		Social Service Professions	0	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	0
		Undecided, Undeclared	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	31	100	800	100	2,818	100	30,006	100	24	100	1,164	100	3,871	100	34,260	100
Second major or expected second major, in NSSE's default related-major categories. (Does not reflect any customization made for the Major Field Report)	MAJsecondcol (Recoded from MAJsecond.)	Arts & Humanities	1	14	10	8	65	15	848	15	1	20	26	11	110	18	967	16
		Biological Sci., Agriculture, & Natural Resources	0	0	26	22	72	17	912	17	0	0	63	27	141	23	1,266	20
		Physical Sci., Mathematics, & Computer Science	0	0	30	25	89	21	1,319	24	1	20	58	25	101	17	1,297	21
		Social Sciences	2	29	10	8	67	16	945	17	0	0	30	13	112	18	1,234	20
		Business	0	0	6	5	27	6	312	6	0	0	10	4	19	3	213	3
		Communications, Media, & Public Relations	0	0	2	2	3	1	38	1	0	0	5	2	4	1	44	1
		Education	0	0	2	2	11	3	212	4	0	0	9	4	18	3	311	5
		Engineering	0	0	7	6	16	4	210	4	0	0	4	2	23	4	154	2
		Health Professions	0	0	16	14	48	11	423	8	1	20	16	7	50	8	470	8
		Social Service Professions	2	29	5	4	10	2	99	2	0	0	4	2	14	2	98	2
		All Other	2	29	2	2	8	2	85	2	2	40	8	3	16	3	131	2
		Undecided, Undeclared	0	0	2	2	7	2	73	1	0	0	2	1	1	0	33	1
		Total	7	100	118	100	423	100	5,476	100	5	100	235	100	609	100	6,218	100

Bio, Math, PhysSci

			First-Year Students[a]								Seniors[a]								
			UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
	Item wording or description	*Variable name*	*Response options*	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
21.	What is your class level?	class	Freshman/First-year	29	97	706	89	2,522	90	27,121	91	0	0	3	0	3	0	40	0
			Sophomore	1	3	68	9	223	8	2,215	7	0	0	11	1	41	1	242	1
			Junior	0	0	16	2	33	1	268	1	2	8	125	11	388	10	2,853	8
			Senior	0	0	1	0	6	0	56	0	22	92	989	85	3,330	87	29,082	85
			Unclassified	0	0	2	0	4	0	106	0	0	0	29	3	81	2	1,853	5
			Total	30	100	793	100	2,788	100	29,766	100	24	100	1,157	100	3,843	100	34,070	100
22.	Thinking about this current academic term, are you a full-time student?	fulltime	No	0	0	9	1	54	2	591	2	4	17	126	11	539	14	4,030	12
			Yes	30	100	783	99	2,728	98	29,104	98	20	83	1,027	89	3,290	86	29,938	88
			Total	30	100	792	100	2,782	100	29,695	100	24	100	1,153	100	3,829	100	33,968	100
23a.	How many courses are you taking for credit this current academic term?	coursenum	0	0	0	0	0	7	0	77	0	0	0	12	1	66	2	689	2
			1	0	0	0	0	9	0	120	0	1	4	18	2	86	2	710	2
			2	0	0	4	1	17	1	217	1	2	8	25	2	142	4	1,362	4
			3	1	3	34	4	51	2	1,176	4	1	4	103	9	341	9	3,674	11
			4	5	17	282	36	789	28	9,166	31	4	17	363	31	1,125	29	10,456	31
			5	11	37	273	34	1,029	37	11,467	39	8	33	345	30	1,102	29	10,325	30
			6	6	20	115	15	506	18	4,448	15	7	29	161	14	585	15	3,989	12
			7 or more	7	23	84	11	381	14	3,094	10	1	4	131	11	388	10	2,839	8
			Total	30	100	792	100	2,789	100	29,765	100	24	100	1,158	100	3,835	100	34,044	100
b.	Of these, how many are *entirely online*?	onlinenum	0	26	90	643	82	2,466	89	26,943	91	21	88	843	73	3,141	82	28,976	85
			1	3	10	116	15	254	9	2,099	7	1	4	233	20	518	14	3,738	11
			2	0	0	16	2	36	1	345	1	1	4	56	5	111	3	823	2
			3	0	0	9	1	8	0	109	0	0	0	17	1	39	1	239	1
			4	0	0	0	0	6	0	59	0	0	0	4	0	11	0	84	0
			5	0	0	2	0	5	0	50	0	0	0	0	0	4	0	34	0
			6	0	0	0	0	3	0	24	0	0	0	3	0	3	0	34	0
			7 or more	0	0	1	0	2	0	33	0	1	4	1	0	2	0	36	0
			Total	29	100	787	100	2,780	100	29,662	100	24	100	1,157	100	3,829	100	33,964	100
	Collapsed recode of courses taken online *(Based on responses to coursenum and onlinenum)*	onlinecrscol	No courses taken online	26	90	643	82	2,466	89	26,922	91	21	88	843	73	3,138	82	28,949	85
			Some courses taken online	3	10	138	18	293	11	2,508	8	1	4	300	26	665	17	4,664	14
			All courses taken online	0	0	6	1	17	1	172	1	2	8	14	1	22	1	286	1
			Total	29	100	787	100	2,776	100	29,602	100	24	100	1,157	100	3,825	100	33,899	100

Bio, Math, PhysSci

Item wording or description	Variable name	Response options	First-Year Students[a] UND Count	%	Plains Public Count	%	Carnegie Class Count	%	NSSE 2015 Count	%	Seniors[a] UND Count	%	Plains Public Count	%	Carnegie Class Count	%	NSSE 2015 Count	%
24. What have most of your grades been up to now at this institution?	grades	C- or lower	0	0	15	2	47	2	580	2	0	0	4	0	20	1	150	0
		C	0	0	14	2	87	3	960	3	0	0	41	4	124	3	876	3
		C+	1	3	39	5	146	5	1,603	5	0	0	55	5	180	5	1,529	4
		B-	2	7	43	5	193	7	2,258	8	2	8	100	9	271	7	2,580	8
		B	4	13	129	16	516	19	5,503	18	3	13	255	22	756	20	6,622	19
		B+	3	10	142	18	458	16	5,397	18	4	17	184	16	679	18	6,443	19
		A-	10	33	143	18	519	19	5,754	19	3	13	181	16	727	19	6,700	20
		A	10	33	265	34	822	29	7,696	26	12	50	334	29	1,080	28	9,137	27
		Total	30	100	790	100	2,788	100	29,751	100	24	100	1,154	100	3,837	100	34,037	100
25. Did you begin college at this institution or elsewhere?	begincol	Started here	27	90	704	89	2,623	94	28,005	94	16	67	717	62	2,298	60	24,131	71
		Started elsewhere	3	10	87	11	166	6	1,706	6	8	33	440	38	1,535	40	9,863	29
		Total	30	100	791	100	2,789	100	29,711	100	24	100	1,157	100	3,833	100	33,994	100
26. Since graduating from high school, which of the following types of schools have you attended *other than* the one you are now attending? (Select all that apply.)	attend_voc	Vocational or technical school	2	7	17	2	47	2	394	2	1	4	64	6	178	5	1,147	4
	attend_com	Community or junior college	3	10	78	10	187	7	1,341	6	4	17	358	31	1,360	36	8,336	30
	attend_col	4-year college or university other than this one	2	7	55	7	155	6	1,516	7	6	25	272	24	910	24	6,043	22
	attend_none	None	23	77	644	81	2,347	84	19,446	85	12	50	578	50	1,810	47	14,536	53
	attend_other	Other	0	0	21	3	86	3	606	3	2	8	35	3	110	3	844	3
27. What is the highest level of education you ever expect to complete?	edaspire	Some college but less than a bachelor's degree	2	7	28	4	68	2	804	3	0	0	31	3	98	3	731	2
		Bachelor's degree (B.A., B.S., etc.)	5	17	175	22	440	16	5,275	18	4	17	312	27	730	19	6,818	20
		Master's degree (M.A., M.S., etc.)	4	13	214	27	670	24	7,732	26	9	38	332	29	987	26	9,958	29
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	19	63	374	47	1,604	58	15,845	53	11	46	482	42	2,018	53	16,468	48
		Total	30	100	791	100	2,782	100	29,656	100	24	100	1,157	100	3,833	100	33,975	100

Bio, Math, PhysSci

Item wording or description	Variable name	Response options	First-Year Students[a] UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %	Seniors[a] UND Count	UND %	Plains Public Count	Plains Public %	Carnegie Class Count	Carnegie Class %	NSSE 2015 Count	NSSE 2015 %
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	19	2	117	4	978	4	0	0	24	2	164	4	1,053	4
		High school diploma or G.E.D.	3	10	102	13	381	14	3,162	14	2	8	150	13	521	14	3,945	14
		Attended college, but did not complete degree	1	3	80	10	251	9	2,232	10	2	8	114	10	364	10	2,586	9
		Associate's degree (A.A., A.S., etc.)	3	10	122	15	259	9	2,204	10	3	13	180	16	331	9	2,622	10
		Bachelor's degree (B.A., B.S., etc.)	16	53	256	32	815	29	6,619	29	9	38	383	33	1,126	29	7,955	29
		Master's degree (M.A., M.S., etc.)	3	10	166	21	621	22	5,189	23	5	21	219	19	829	22	5,973	22
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	4	13	48	6	343	12	2,600	11	3	13	88	8	494	13	3,405	12
		Total	30	100	793	100	2,787	100	22,984	100	24	100	1,158	100	3,829	100	27,539	100
First-generation status *(No parent holds a bachelor's degree)*	firstgen *(Recoded from parented)*	Not first-generation	23	77	470	59	1,779	64	18,490	62	17	71	690	60	2,449	64	21,165	62
		First-generation	7	23	323	41	1,008	36	11,202	38	7	29	468	40	1,380	36	12,822	38
		Total	30	100	793	100	2,787	100	29,692	100	24	100	1,158	100	3,829	100	33,987	100
29. What is your gender identity?	genderid	Man	12	40	308	39	943	34	10,077	34	6	25	505	44	1,608	42	13,187	39
		Woman	17	57	481	61	1,799	65	19,174	65	17	71	639	55	2,135	56	20,138	59
		Another gender identity	0	0	0	0	16	1	120	0	0	0	3	0	17	0	122	0
		I prefer not to respond	1	3	3	0	26	1	348	1	1	4	8	1	69	2	548	2
		Total	30	100	792	100	2,784	100	29,719	100	24	100	1,155	100	3,829	100	33,995	100
30. Enter your year of birth (e.g., 1994):	agecat *(Recoded from the information entered in birthyear)*	19 or younger	29	97	735	93	2,598	94	27,006	91	0	0	11	1	42	1	303	1
		20-23	1	3	32	4	135	5	1,918	6	22	92	916	80	2,696	71	26,620	79
		24-29	0	0	7	1	26	1	417	1	1	4	141	12	724	19	4,615	14
		30-39	0	0	11	1	12	0	190	1	1	4	66	6	262	7	1,617	5
		40-55	0	0	3	0	5	0	69	0	0	0	14	1	65	2	585	2
		Over 55	0	0	1	0	1	0	8	0	0	0	2	0	13	0	83	0
		Total	30	100	789	100	2,777	100	29,608	100	24	100	1,150	100	3,802	100	33,823	100
31a. Are you an international student?	internat	No	30	100	741	94	2,652	96	21,586	94	24	100	1,110	96	3,685	97	26,288	96
		Yes	0	0	48	6	119	4	1,275	6	0	0	43	4	131	3	1,117	4
		Total	30	100	789	100	2,771	100	22,861	100	24	100	1,153	100	3,816	100	27,405	100
International student country of citizenship, collapsed into regions by NSSE. Responses to country are in the data file. U.S. (domestic) students did not receive this question.	countrycol *(Recoded from country.)*	Africa Sub-Saharan	0	0	4	15	6	8	70	12	0	0	1	3	7	10	44	10
		Asia	0	0	15	56	39	51	262	47	0	0	20	61	38	55	229	51
		Canada	0	0	2	7	7	9	38	7	0	0	2	6	3	4	21	5
		Europe	0	0	4	15	7	9	73	13	0	0	4	12	7	10	57	13
		Latin America and Caribbean	0	0	2	7	13	17	82	15	0	0	5	15	11	16	73	16
		Middle East and North Africa	0	0	0	0	4	5	26	5	0	0	1	3	3	4	24	5
		Oceania	0	0	0	0	0	0	10	2	0	0	0	0	0	0	5	1
		Unknown region/uncoded	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	0	0	27	100	76	100	561	100	0	0	33	100	69	100	453	100

Bio, Math, PhysSci

Item wording or description	Variable name	Response options	First-Year Students[a] UND Count	%	Plains Public Count	%	Carnegie Class Count	%	NSSE 2015 Count	%	Seniors[a] UND Count	%	Plains Public Count	%	Carnegie Class Count	%	NSSE 2015 Count	%
32. What is your racial or ethnic identification? (Select all that apply.)	re_amind	American Indian or Alaska Native	3	10	15	2	71	3	479	2	0	0	17	1	78	2	558	2
	re_asian	Asian	2	7	62	8	400	14	2,881	13	2	8	57	5	448	12	3,073	11
	re_black	Black or African American	0	0	43	5	256	9	2,060	9	0	0	27	2	219	6	1,632	6
	re_latino	Hispanic or Latino	0	0	22	3	475	17	2,855	12	0	0	33	3	496	13	2,575	9
	re_pacific	Native Hawaiian or Other Pacific Islander	0	0	4	1	25	1	212	1	0	0	2	0	33	1	263	1
	re_white	White	26	87	664	84	1,708	61	15,378	67	22	92	1,010	87	2,578	67	19,707	72
	re_other	Other	0	0	15	2	87	3	700	3	0	0	19	2	121	3	742	3
	re_pnr	I prefer not to respond	1	3	17	2	85	3	783	3	1	4	34	3	181	5	1,346	5
Racial or ethnic identification	re_all	American Indian or Alaska Native	1	3	2	0	18	1	100	0	0	0	8	1	28	1	135	0
	(Recoded from	Asian	2	7	52	7	335	12	2,317	10	1	4	49	4	378	10	2,439	9
	re_amind	Black or African American	0	0	28	4	200	7	1,596	7	0	0	23	2	169	4	1,291	5
	through	Hispanic or Latino	0	0	13	2	335	12	1,990	9	0	0	17	1	365	10	1,792	7
	re_pnr	Native Hawaiian/Other Pac. Islander	0	0	1	0	5	0	57	0	0	0	0	0	9	0	78	0
	where each	White	24	80	631	80	1,470	53	13,730	60	21	88	971	84	2,338	61	17,994	65
	student is	Other	0	0	8	1	51	2	399	2	0	0	13	1	81	2	452	2
	represented only	Multiracial	2	7	39	5	283	10	2,006	9	1	4	41	4	282	7	2,012	7
	once)	I prefer not to respond	1	3	17	2	85	3	783	3	1	4	34	3	181	5	1,346	5
		Total	30	100	791	100	2,782	100	22,978	100	24	100	1,156	100	3,831	100	27,539	100
33. Are you a member of a social fraternity or sorority?	greek	No	25	83	691	87	2,545	91	27,611	93	21	88	1,014	88	3,452	90	30,899	91
		Yes	5	17	99	13	237	9	1,991	7	3	13	144	12	366	10	2,991	9
		Total	30	100	790	100	2,782	100	29,602	100	24	100	1,158	100	3,818	100	33,890	100
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)	21	70	577	73	1,706	61	16,379	71	4	17	129	11	418	11	6,567	24
		Fraternity or sorority house	2	7	14	2	25	1	120	1	0	0	34	3	62	2	437	2
		Residence (house, apartment, etc.) *within walking distance* to the institution	1	3	73	9	230	8	1,543	7	6	25	419	36	1,260	33	8,114	30
		Residence (house, apartment, etc.) *farther than walking distance* to the institution	5	17	114	14	747	27	4,398	19	14	58	556	48	2,005	52	11,846	43
		None of the above	1	3	9	1	75	3	472	2	0	0	16	1	82	2	527	2
		Total	30	100	787	100	2,783	100	22,912	100	24	100	1,154	100	3,827	100	27,491	100
35. Are you a student-athlete on a team sponsored by your institution's athletics department?	athlete	No	27	90	729	92	2,675	96	26,514	90	22	92	1,098	95	3,693	97	31,343	93
		Yes	3	10	61	8	103	4	3,027	10	2	8	56	5	116	3	2,484	7
		Total	30	100	790	100	2,778	100	29,541	100	24	100	1,154	100	3,809	100	33,827	100

Bio, Math, PhysSci

			First-Year Students[a] UND Count	%	Plains Public Count	%	Carnegie Class Count	%	NSSE 2015 Count	%	Seniors[a] UND Count	%	Plains Public Count	%	Carnegie Class Count	%	NSSE 2015 Count	%
Item wording or description	*Variable name*	Response options																
36. Are you a current or former member of the U.S. Armed Forces, Reserves, or National Guard?	veteran	No	29	97	777	98	2,720	98	22,306	98	21	88	1,111	96	3,651	96	26,352	96
		Yes	1	3	12	2	44	2	494	2	3	13	42	4	164	4	1,050	4
		Total	30	100	789	100	2,764	100	22,800	100	24	100	1,153	100	3,815	100	27,402	100
37a. Have you been diagnosed with any disability or impairment?	disability	No	29	97	721	91	2,533	91	26,685	90	23	96	1,033	89	3,329	87	30,071	89
		Yes	1	3	54	7	186	7	2,073	7	0	0	90	8	355	9	2,791	8
		I prefer not to respond	0	0	17	2	64	2	877	3	1	4	33	3	143	4	1,072	3
		Total	30	100	792	100	2,783	100	29,635	100	24	100	1,156	100	3,827	100	33,934	100
b. *[If answered "yes"]* Which of the following has been diagnosed? (Select all that apply.)	dis_sense	A sensory impairment (vision or hearing)	0	0	8	15	40	22	390	19	0	0	11	12	39	11	359	13
	dis_mobility	A mobility impairment	0	0	5	9	13	7	144	7	0	0	10	11	32	9	229	8
	dis_learning	A learning disability (e.g., ADHD, dyslexia)	0	0	24	44	76	41	922	45	0	0	31	34	173	49	1,280	46
	dis_mental	A mental health disorder	1	100	18	33	58	31	674	33	0	0	43	48	132	37	1,019	37
	dis_other	A disability or impairment not listed above	0	0	11	20	37	20	404	20	0	0	15	17	71	20	542	19
Disability or impairment	disability_all *(Recoded from disability and dis_sense through dis_other where each student is represented only once)*	A sensory impairment	0	0	7	1	29	1	277	1	0	0	7	1	21	1	230	1
		A mobility impairment	0	0	2	0	8	0	77	0	0	0	6	1	15	0	127	0
		A learning disability	0	0	18	2	53	2	637	2	0	0	21	2	130	3	897	3
		A mental health disorder	1	3	9	1	38	1	412	1	0	0	31	3	70	2	634	2
		A disability or impairment not listed	0	0	8	1	25	1	271	1	0	0	7	1	43	1	348	1
		More than one disability or impairment	0	0	10	1	33	1	390	1	0	0	18	2	74	2	546	2
		No disability or impairment	29	97	721	91	2,533	91	26,685	90	23	96	1,033	89	3,329	87	30,071	89
		Prefer not to respond	0	0	17	2	64	2	877	3	1	4	33	3	143	4	1,072	3
		Total	30	100	792	100	2,783	100	29,626	100	24	100	1,156	100	3,825	100	33,925	100
38. Which of the following best describes your sexual orientation? *(Question administered per institution request)*	sexorient14	Heterosexual	--	--	264	86	989	84	9,574	86	--	--	457	87	1,406	84	11,784	86
		Gay	--	--	4	1	14	1	119	1	--	--	14	3	23	1	236	2
		Lesbian	--	--	2	1	8	1	79	1	--	--	4	1	24	1	111	1
		Bisexual	--	--	10	3	49	4	371	3	--	--	15	3	66	4	490	4
		Another sexual orientation	--	--	5	2	20	2	155	1	--	--	3	1	23	1	157	1
		Questioning or unsure	--	--	6	2	18	2	199	2	--	--	6	1	16	1	160	1
		I prefer not to respond	--	--	17	6	75	6	588	5	--	--	28	5	117	7	834	6
		Total	--	--	308	100	1,173	100	11,085	100	--	--	527	100	1,675	100	13,772	100

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Bio, Math, PhysSci
University of North Dakota

Bio, Math, PhysSci

Item wording or description	Variable name	Response options	First-Year Students[a] UND Count	%	Plains Public Count	%	Carnegie Class Count	%	NSSE 2015 Count	%	Seniors[a] UND Count	%	Plains Public Count	%	Carnegie Class Count	%	NSSE 2015 Count	%
Institution-reported information (Variables provided by your institution in your NSSE population file.)																		
Institution-reported sex	IRsex	Female	17	55	485	61	1,849	66	19,661	66	18	75	649	56	2,204	57	20,678	60
		Male	14	45	314	39	969	34	10,339	34	6	25	515	44	1,667	43	13,577	40
		Total	31	100	799	100	2,818	100	30,000	100	24	100	1,164	100	3,871	100	34,255	100
Institution-reported race or ethnicity	IRrace	American Indian or Alaska Native	1	3	9	1	8	0	113	1	0	0	8	1	16	0	158	1
		Asian	1	3	24	3	188	8	1,543	7	1	4	22	2	223	7	1,741	7
		Black or African American	0	0	27	4	193	8	1,562	8	0	0	23	2	169	5	1,270	5
		Hispanic or Latino	0	0	19	3	383	16	2,402	12	1	4	23	2	401	12	2,162	9
		Native Hawaiian/Other Pac. Islander	0	0	0	0	2	0	49	0	0	0	3	0	11	0	103	0
		White	27	87	541	78	1,310	55	12,603	61	21	88	890	84	2,112	66	16,527	67
		Other	0	0	0	0	0	0	5	0	0	0	0	0	1	0	5	0
		Foreign or nonresident alien	0	0	29	4	91	4	816	4	0	0	22	2	91	3	654	3
		Two or more races/ethnicities	2	6	14	2	85	4	787	4	1	4	24	2	88	3	762	3
		Unknown	0	0	30	4	105	4	909	4	0	0	44	4	101	3	1,139	5
		Total	31	100	693	100	2,365	100	20,789	100	24	100	1,059	100	3,213	100	24,521	100
Institution-reported class level	IRclass	Freshman/First-Year	31	100	800	100	2,818	100	30,006	100	0	0	0	0	0	0	0	0
		Sophomore	0	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	0
		Senior	0	0	0	0	0	0	0	0	24	100	1,164	100	3,871	100	34,260	100
		Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	31	100	800	100	2,818	100	30,006	100	24	100	1,164	100	3,871	100	34,260	100
Institution-reported first-time first-year (FTFY) status	IRftfy	No	0	0	41	5	224	8	2,610	9	24	100	1,126	97	3,833	99	33,876	99
		Yes	31	100	759	95	2,594	92	27,396	91	0	0	38	3	38	1	384	1
		Total	31	100	800	100	2,818	100	30,006	100	24	100	1,164	100	3,871	100	34,260	100
Institution-reported enrollment status	IRenrollment	Not full-time	0	0	9	1	53	2	613	2	1	4	105	9	426	11	3,519	10
		Full-time	31	100	791	99	2,765	98	29,393	98	23	96	1,059	91	3,445	89	30,741	90
		Total	31	100	800	100	2,818	100	30,006	100	24	100	1,164	100	3,871	100	34,260	100

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 +/- 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. Cohen's d: The mean difference divided by the pooled standard deviation. Effect size indicates the practical importance of an observed difference. For EI comparisons, NSSE research has concluded that an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2015). Comparisons with an effect size of at least .3 in magnitude (before rounding) are highlighted in the Overview.

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. NSSE research has found that interpretations vary by HIP: For service-learning, internships, study abroad, and culminating senior experiences, an effect size of about .2 may be considered small, .5 medium, and .8 large. For learning community and research with faculty, an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2015).

k. 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 that 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.

o. Statistical comparison uses z-test to compare the percentage who responded "Done or in progress."

Key to symbols:

▲ **Your students' average** was significantly higher (p < .05) with an effect size at least .3 in magnitude.

△ **Your students' average** was significantly higher (p < .05) with an effect size less than .3 in magnitude.

▽ **Your students' average** was significantly lower (p < .05) with an effect size less than .3 in magnitude.

▼ **Your students' average** was significantly lower (p < .05) with an effect size at least .3 in magnitude.

Note: It is important to interpret the direction of differences relative to item wording and your institutional context.

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