
Ferris State University
NSSE 2010 Major Field Report
Part II. Comparisons to Other Institutions
PHYSICAL SCIENCES

*Comparing your students majoring in PHYSICAL SCIENCES fields to those
in PHYSICAL SCIENCES fields at your comparison groups*

Physical Sciences includes the following major codes: 42 = Astronomy, 43 = Atmospheric science (including meteorology), 44 = Chemistry, 45 = Earth science (including geology), 46 = Mathematics, 47 = Physics, 48 = Statistics, and 49 = Other physical science.



Frequency Distributions

Ferris State University
NSSE 2010 Major Field Report
Part II. Comparisons to Other Institutions
PHYSICAL SCIENCES



NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions *Interpreting the Frequency Distributions*

Sample

This report is based on information from all randomly selected PHYSICAL SCIENCES students (including those from census administrations) for both your institution and your comparison institutions. Targeted oversamples and other non-randomly selected students are not included.

Variable Names

The name of each variable appears in the first column for easy reference to your raw data file.

Variables

The items from the NSSE survey appear in the left column in the same order and wording as they appear on the instrument.

Benchmark

Items that comprise the five "Benchmarks of Effective Educational Practice" are indicated by the following:

- LAC:** Level of Academic Challenge
- ACL:** Active and Collaborative Learning
- SFI:** Student-Faculty Interaction
- EEE:** Enriching Educational Experiences
- SCE:** Supportive Campus Environment

Response Options

Response options listed just as they appear on the instrument.

Class

Frequency distributions are reported separately for first-year students and seniors. Institution-reported class levels are used. Of course, first-year student reports of major are likely to be unstable, and interpretations of first-year results should be made with caution.

BETWEEN Institution Comparisons on Major Group

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 sub-populations such as major. This report displays the frequency distributions for the PHYSICAL SCIENCES group at your institution and at your selected comparison institutions.

Major

Major classifications are based on recodes of the student-provided PRIMARY major (majrpcod). Major groups with fewer than five respondents in a given class are not reported. Comparison groups must contain at least three institutions with five or more respondents in the major group, or they are left blank.

			<i>First-Year Students</i>								<i>Seniors</i>							
Variable	Response Options	NSSEville State		Mid East Public		Carnegie Class		NSSE 2010		NSSEville State		Mid East Public		Carnegie Class		NSSE 2010		
		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%			
1a. Asked questions in class or contributed to class discussions	CLQUEST (ACL)	Never	0	0%	16	2%	77	2%	276	2%	0	0%	12	1%	52	1%	194	1%
		Sometimes	2	8%	316	30%	1,267	28%	4,875	27%	3	10%	237	17%	999	17%	3,906	17%
		Often	10	38%	353	34%	1,686	37%	6,433	36%	8	28%	427	30%	1,826	31%	6,748	30%
		Very often	14	54%	353	34%	1,575	34%	6,374	35%	18	62%	725	52%	3,090	52%	11,787	52%
	Total	26	100%	1,038	100%	4,605	100%	17,958	100%	29	100%	1,401	100%	5,967	100%	22,635	100%	
1b. Made a class presentation	CLPRESEN (ACL)	Never	0	0%	116	11%	468	10%	1,779	10%	0	0%	73	5%	368	6%	999	4%
		Sometimes	13	50%	577	56%	2,406	52%	9,542	53%	3	10%	552	39%	2,092	35%	8,512	38%
		Often	11	42%	275	27%	1,327	29%	4,979	28%	14	48%	502	36%	2,235	37%	8,483	37%
		Very often	2	8%	69	7%	409	9%	1,682	9%	12	41%	279	20%	1,307	22%	4,689	21%
	Total	26	100%	1,037	100%	4,610	100%	17,982	100%	29	100%	1,406	100%	6,002	100%	22,683	100%	
1c. Prepared two or more drafts of a paper or assignment before turning it in	REWROPAP	Never	1	4%	158	15%	627	14%	2,430	14%	5	17%	252	18%	949	16%	3,875	17%
		Sometimes	15	58%	346	33%	1,449	32%	5,911	33%	13	45%	553	39%	2,115	35%	8,571	38%
		Often	8	31%	305	30%	1,417	31%	5,537	31%	6	21%	324	23%	1,575	26%	5,742	25%
		Very often	2	8%	224	22%	1,103	24%	4,041	23%	5	17%	280	20%	1,356	23%	4,484	20%
	Total	26	100%	1,033	100%	4,596	100%	17,919	100%	29	100%	1,409	100%	5,995	100%	22,672	100%	

Count

The Count column represents the actual number of students who responded to the particular option in each question.

Column Percentage (%)

The '%' column represents the percentage of students responding to the particular option in each question.

Weighting

All results displayed in this report are unweighted.



NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions
Frequency Distributions-PHYSICAL SCIENCES
Ferris State University

			First-Year Students								Seniors								
			Ferris State		Selected Peers		Carnegie Class		NSSE 2010		Ferris State		Selected Peers		Carnegie Class		NSSE 2010		
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
1a.	Asked questions in class or contributed to class discussions	CLQUEST (ACL)	Never	0	0%	6	3%	12	2%	153	3%	0	0%	8	2%	5	1%	125	2%
Sometimes			1	14%	85	37%	156	32%	1,785	35%	2	18%	76	23%	126	24%	1,483	27%	
Often			6	86%	82	35%	177	37%	1,765	35%	5	45%	104	32%	168	32%	1,719	31%	
Very often			0	0%	59	25%	137	28%	1,361	27%	4	36%	136	42%	220	42%	2,180	40%	
Total		7	100%	232	100%	482	100%	5,064	100%	11	100%	324	100%	519	100%	5,507	100%		
1b.	Made a class presentation	CLPRESEN (ACL)	Never	1	14%	43	18%	92	19%	866	17%	1	9%	25	8%	31	6%	493	9%
Sometimes			1	14%	141	61%	274	57%	2,970	59%	3	27%	157	48%	230	44%	2,576	47%	
Often			5	71%	41	18%	98	20%	956	19%	5	45%	104	32%	173	33%	1,708	31%	
Very often			0	0%	8	3%	19	4%	262	5%	2	18%	40	12%	86	17%	733	13%	
Total		7	100%	233	100%	483	100%	5,054	100%	11	100%	326	100%	520	100%	5,510	100%		
1c.	Prepared two or more drafts of a paper or assignment before turning it in	REWROPAP	Never	1	14%	28	12%	92	19%	804	16%	2	18%	59	18%	97	19%	1,177	21%
Sometimes			1	14%	54	23%	167	35%	1,622	32%	6	55%	141	44%	220	43%	2,241	41%	
Often			4	57%	90	39%	131	27%	1,593	32%	2	18%	83	26%	127	25%	1,376	25%	
Very often			1	14%	58	25%	89	19%	1,013	20%	1	9%	40	12%	70	14%	716	13%	
Total		7	100%	230	100%	479	100%	5,032	100%	11	100%	323	100%	514	100%	5,510	100%		
1d.	Worked on a paper or project that required integrating ideas or information from various sources	INTEGRAT	Never	0	0%	14	6%	16	3%	151	3%	0	0%	7	2%	9	2%	161	3%
Sometimes			1	14%	50	22%	122	25%	1,235	24%	0	0%	68	21%	100	19%	1,185	21%	
Often			4	57%	94	41%	227	47%	2,220	44%	6	55%	123	38%	213	41%	2,224	40%	
Very often			2	29%	74	32%	119	25%	1,448	29%	5	45%	128	39%	197	38%	1,952	35%	
Total		7	100%	232	100%	484	100%	5,054	100%	11	100%	326	100%	519	100%	5,522	100%		
1e.	Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments	DIVCLASS	Never	1	14%	26	11%	42	9%	453	9%	1	9%	55	17%	70	14%	834	15%
Sometimes			2	29%	79	34%	166	35%	1,703	34%	4	36%	136	42%	237	46%	2,257	41%	
Often			1	14%	85	37%	184	38%	1,882	37%	2	18%	94	29%	146	28%	1,623	29%	
Very often			3	43%	42	18%	89	19%	1,015	20%	4	36%	40	12%	63	12%	797	14%	
Total		7	100%	232	100%	481	100%	5,053	100%	11	100%	325	100%	516	100%	5,511	100%		
1f.	Come to class without completing readings or assignments	CLUNPREP	Never	0	0%	61	26%	129	27%	1,346	27%	2	18%	77	24%	112	22%	1,146	21%
Sometimes			5	71%	126	55%	257	53%	2,820	56%	6	55%	179	55%	315	61%	3,145	57%	
Often			2	29%	32	14%	62	13%	635	13%	2	18%	49	15%	63	12%	830	15%	
Very often			0	0%	12	5%	33	7%	261	5%	1	9%	18	6%	29	6%	396	7%	
Total		7	100%	231	100%	481	100%	5,062	100%	11	100%	323	100%	519	100%	5,517	100%		
1g.	Worked with other students on projects during class	CLASSGRP (ACL)	Never	0	0%	26	11%	55	11%	740	15%	1	9%	48	15%	77	15%	923	17%
Sometimes			3	43%	98	43%	242	50%	2,237	44%	4	36%	136	42%	257	50%	2,556	46%	
Often			3	43%	81	35%	140	29%	1,540	30%	4	36%	96	30%	132	26%	1,461	26%	
Very often			1	14%	25	11%	47	10%	545	11%	2	18%	43	13%	51	10%	577	10%	
Total		7	100%	230	100%	484	100%	5,062	100%	11	100%	323	100%	517	100%	5,517	100%		



NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions
Frequency Distributions-PHYSICAL SCIENCES
Ferris State University

			First-Year Students								Seniors								
			Ferris State		Selected Peers		Carnegie Class		NSSE 2010		Ferris State		Selected Peers		Carnegie Class		NSSE 2010		
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
1h.	Worked with classmates outside of class to prepare class assignments	OCCGRP	0	0%	36	15%	34	7%	520	10%	0	0%	27	8%	21	4%	384	7%	
		(ACL)	2	29%	101	43%	203	42%	2,010	40%	2	18%	103	32%	165	32%	1,791	32%	
			Often	4	57%	79	34%	158	33%	1,707	34%	4	36%	90	28%	177	34%	1,889	34%
			Very often	1	14%	17	7%	89	18%	833	16%	5	45%	106	33%	157	30%	1,464	26%
			Total	7	100%	233	100%	484	100%	5,070	100%	11	100%	326	100%	520	100%	5,528	100%
1i.	Put together ideas or concepts from different courses when completing assignments or during class discussions	INTIDEAS	1	14%	10	4%	31	6%	302	6%	0	0%	10	3%	16	3%	187	3%	
			3	43%	111	48%	198	41%	2,055	41%	5	45%	94	29%	151	29%	1,696	31%	
			Often	3	43%	84	36%	188	39%	1,937	38%	4	36%	125	39%	219	43%	2,187	40%
			Very often	0	0%	26	11%	63	13%	746	15%	2	18%	94	29%	128	25%	1,424	26%
			Total	7	100%	231	100%	480	100%	5,040	100%	11	100%	323	100%	514	100%	5,494	100%
1j.	Tutored or taught other students (paid or voluntary)	TUTOR	3	43%	78	34%	153	32%	1,662	33%	2	18%	74	23%	96	19%	1,101	20%	
		(ACL)	3	43%	100	43%	192	40%	1,987	39%	2	18%	90	28%	149	29%	1,701	31%	
			Often	1	14%	41	18%	80	17%	905	18%	4	36%	61	19%	95	18%	1,112	20%
			Very often	0	0%	13	6%	57	12%	508	10%	3	27%	100	31%	176	34%	1,608	29%
			Total	7	100%	232	100%	482	100%	5,062	100%	11	100%	325	100%	516	100%	5,522	100%
1k.	Participated in a community-based project (e.g. service learning) as part of a regular course	COMMPROJ	5	71%	168	72%	299	62%	3,066	61%	8	73%	211	65%	292	57%	3,333	61%	
		(ACL)	1	14%	49	21%	132	28%	1,315	26%	3	27%	84	26%	148	29%	1,513	28%	
			Often	1	14%	10	4%	34	7%	460	9%	0	0%	16	5%	49	10%	405	7%
			Very often	0	0%	5	2%	15	3%	201	4%	0	0%	14	4%	25	5%	243	4%
			Total	7	100%	232	100%	480	100%	5,042	100%	11	100%	325	100%	514	100%	5,494	100%
1l.	Used an electronic medium (listserv, chat group, Internet, instant messaging, etc.) to discuss or complete an assignment	ITACADEM	0	0%	39	17%	70	15%	734	15%	1	9%	46	14%	79	15%	767	14%	
		(EEE)	5	71%	72	31%	153	32%	1,536	30%	1	9%	105	32%	152	29%	1,688	31%	
			Often	1	14%	78	33%	138	29%	1,466	29%	6	55%	94	29%	136	26%	1,511	27%
			Very often	1	14%	44	19%	120	25%	1,323	26%	3	27%	80	25%	150	29%	1,559	28%
			Total	7	100%	233	100%	481	100%	5,059	100%	11	100%	325	100%	517	100%	5,525	100%
1m.	Used e-mail to communicate with an instructor	EMAIL	0	0%	4	2%	7	1%	58	1%	0	0%	1	0%	1	0%	29	1%	
			1	14%	54	23%	88	18%	1,038	21%	2	18%	44	14%	61	12%	743	13%	
			Often	5	71%	100	43%	188	39%	1,869	37%	4	36%	110	34%	148	29%	1,708	31%
			Very often	1	14%	73	32%	198	41%	2,096	41%	5	45%	168	52%	306	59%	3,038	55%
			Total	7	100%	231	100%	481	100%	5,061	100%	11	100%	323	100%	516	100%	5,518	100%
1n.	Discussed grades or assignments with an instructor	FACGRADE	0	0%	21	9%	30	6%	384	8%	1	9%	8	2%	17	3%	244	4%	
		(SFI)	3	43%	114	49%	206	43%	2,203	44%	4	36%	112	34%	156	30%	1,884	34%	
			Often	3	43%	70	30%	153	32%	1,562	31%	2	18%	112	34%	181	35%	1,843	33%
			Very often	1	14%	27	12%	90	19%	910	18%	4	36%	94	29%	162	31%	1,549	28%
			Total	7	100%	232	100%	479	100%	5,059	100%	11	100%	326	100%	516	100%	5,520	100%



NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions
Frequency Distributions-PHYSICAL SCIENCES
Ferris State University

			First-Year Students								Seniors								
			Ferris State		Selected Peers		Carnegie Class		NSSE 2010		Ferris State		Selected Peers		Carnegie Class		NSSE 2010		
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
1o.	Talked about career plans with a faculty member or advisor	FACPLANS (SFI)	Never	0	0%	51	22%	84	18%	1,052	21%	1	9%	44	13%	49	9%	684	12%
			Sometimes	1	14%	105	45%	231	48%	2,338	46%	3	27%	125	38%	199	38%	2,039	37%
			Often	5	71%	56	24%	107	22%	1,162	23%	1	9%	80	25%	147	28%	1,530	28%
			Very often	1	14%	20	9%	58	12%	504	10%	6	55%	77	24%	122	24%	1,273	23%
			Total	7	100%	232	100%	480	100%	5,056	100%	11	100%	326	100%	517	100%	5,526	100%
1p.	Discussed ideas from your readings or classes with faculty members outside of class	FACIDEAS (SFI)	Never	3	43%	96	41%	165	34%	1,910	38%	3	27%	78	24%	101	20%	1,265	23%
			Sometimes	1	14%	101	44%	211	44%	2,100	41%	6	55%	132	40%	234	45%	2,412	44%
			Often	2	29%	29	13%	71	15%	723	14%	0	0%	73	22%	113	22%	1,148	21%
			Very often	1	14%	6	3%	34	7%	330	7%	2	18%	43	13%	69	13%	704	13%
			Total	7	100%	232	100%	481	100%	5,063	100%	11	100%	326	100%	517	100%	5,529	100%
1q.	Received prompt written or oral feedback from faculty on your academic performance	FACFEED (SFI)	Never	0	0%	19	8%	27	6%	292	6%	0	0%	11	3%	14	3%	266	5%
			Sometimes	1	14%	91	40%	168	35%	1,767	35%	1	9%	89	28%	122	24%	1,556	28%
			Often	6	86%	80	35%	200	41%	2,060	41%	6	55%	141	44%	261	51%	2,505	45%
			Very often	0	0%	38	17%	88	18%	933	18%	4	36%	82	25%	119	23%	1,180	21%
			Total	7	100%	228	100%	483	100%	5,052	100%	11	100%	323	100%	516	100%	5,507	100%
1r.	Worked harder than you thought you could to meet an instructor's standards or expectations	WORKHARD (LAC)	Never	0	0%	28	12%	35	7%	416	8%	0	0%	21	6%	46	9%	461	8%
			Sometimes	2	29%	82	35%	170	35%	1,787	35%	4	36%	119	36%	168	33%	1,933	35%
			Often	5	71%	93	40%	186	39%	1,890	37%	4	36%	113	35%	184	36%	1,981	36%
			Very often	0	0%	28	12%	89	19%	956	19%	3	27%	74	23%	117	23%	1,146	21%
			Total	7	100%	231	100%	480	100%	5,049	100%	11	100%	327	100%	515	100%	5,521	100%
1s.	Worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.)	FACOTHER (SFI)	Never	4	57%	142	62%	242	50%	2,699	54%	5	45%	133	41%	168	33%	2,029	37%
			Sometimes	2	29%	64	28%	158	33%	1,541	31%	3	27%	96	29%	191	37%	1,887	34%
			Often	1	14%	13	6%	62	13%	582	12%	1	9%	53	16%	90	18%	972	18%
			Very often	0	0%	11	5%	18	4%	218	4%	2	18%	45	14%	64	12%	611	11%
			Total	7	100%	230	100%	480	100%	5,040	100%	11	100%	327	100%	513	100%	5,499	100%
1t.	Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)	OOCIDEAS (ACL)	Never	1	14%	24	10%	30	6%	300	6%	0	0%	19	6%	17	3%	219	4%
			Sometimes	2	29%	73	32%	169	35%	1,684	33%	4	36%	110	34%	160	31%	1,796	33%
			Often	2	29%	82	36%	173	36%	1,844	37%	3	27%	114	35%	192	37%	2,045	37%
			Very often	2	29%	50	22%	110	23%	1,223	24%	4	36%	84	26%	146	28%	1,462	26%
			Total	7	100%	229	100%	482	100%	5,051	100%	11	100%	327	100%	515	100%	5,522	100%
1u.	Had serious conversations with students of a different race or ethnicity than your own	DIVRSTUD (EEE)	Never	1	14%	38	17%	88	18%	782	15%	0	0%	48	15%	76	15%	748	14%
			Sometimes	5	71%	100	43%	166	35%	1,634	32%	5	45%	117	36%	189	37%	1,838	33%
			Often	0	0%	49	21%	113	23%	1,352	27%	2	18%	83	25%	137	27%	1,490	27%
			Very often	1	14%	43	19%	114	24%	1,297	26%	4	36%	80	24%	112	22%	1,443	26%
			Total	7	100%	230	100%	481	100%	5,065	100%	11	100%	328	100%	514	100%	5,519	100%

NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions
Frequency Distributions-PHYSICAL SCIENCES
Ferris State University

			First-Year Students								Seniors								
			Ferris State		Selected Peers		Carnegie Class		NSSE 2010		Ferris State		Selected Peers		Carnegie Class		NSSE 2010		
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
1v.	Had serious conversations with students who are very different from you in terms of their religious beliefs, political opinions, or personal values	DIFFSTU2 (EEE)	Never	0	0%	25	11%	58	12%	562	11%	0	0%	33	10%	50	10%	574	10%
			Sometimes	4	57%	83	36%	165	34%	1,613	32%	5	45%	111	34%	178	35%	1,757	32%
			Often	1	14%	67	29%	138	29%	1,444	29%	2	18%	88	27%	179	35%	1,673	30%
			Very often	2	29%	56	24%	121	25%	1,446	29%	4	36%	95	29%	108	21%	1,516	27%
			Total	7	100%	231	100%	482	100%	5,065	100%	11	100%	327	100%	515	100%	5,520	100%
2a.	Coursework emphasizes: Memorizing facts, ideas, or methods from your courses and readings	MEMORIZE	Very little	0	0%	10	4%	29	6%	301	6%	0	0%	40	12%	47	9%	473	9%
			Some	1	14%	63	27%	114	24%	1,345	27%	6	55%	104	32%	176	34%	1,749	32%
			Quite a bit	4	57%	97	42%	208	43%	2,062	41%	2	18%	109	33%	181	35%	1,951	35%
			Very much	2	29%	63	27%	132	27%	1,361	27%	3	27%	74	23%	115	22%	1,347	24%
			Total	7	100%	233	100%	483	100%	5,069	100%	11	100%	327	100%	519	100%	5,520	100%
2b.	Coursework emphasizes: Analyzing the basic elements of an idea, experience, or theory	ANALYZE (LAC)	Very little	1	14%	5	2%	5	1%	79	2%	0	0%	4	1%	4	1%	57	1%
			Some	2	29%	37	16%	80	17%	701	14%	1	9%	45	14%	57	11%	604	11%
			Quite a bit	2	29%	108	47%	198	41%	2,109	42%	3	27%	128	39%	191	37%	1,988	36%
			Very much	2	29%	82	35%	198	41%	2,154	43%	7	64%	151	46%	268	52%	2,871	52%
			Total	7	100%	232	100%	481	100%	5,043	100%	11	100%	328	100%	520	100%	5,520	100%
2c.	Coursework emphasizes: Synthesizing and organizing ideas, information, or experiences	SYNTHESZ (LAC)	Very little	1	14%	9	4%	13	3%	165	3%	0	0%	6	2%	7	1%	147	3%
			Some	3	43%	64	28%	110	23%	1,160	23%	2	18%	72	22%	90	17%	1,021	19%
			Quite a bit	2	29%	103	45%	225	47%	2,130	42%	5	45%	127	39%	209	41%	2,057	37%
			Very much	1	14%	54	23%	130	27%	1,594	32%	4	36%	122	37%	210	41%	2,276	41%
			Total	7	100%	230	100%	478	100%	5,049	100%	11	100%	327	100%	516	100%	5,501	100%
2d.	Coursework emphasizes: Making judgments about the value of information, arguments, or methods	EVALUATE (LAC)	Very little	0	0%	15	6%	26	5%	279	6%	0	0%	13	4%	30	6%	346	6%
			Some	3	43%	70	30%	133	28%	1,369	27%	2	18%	86	27%	138	27%	1,411	26%
			Quite a bit	3	43%	89	38%	194	40%	2,022	40%	5	45%	132	41%	207	40%	2,095	38%
			Very much	1	14%	58	25%	128	27%	1,386	27%	4	36%	93	29%	143	28%	1,664	30%
			Total	7	100%	232	100%	481	100%	5,056	100%	11	100%	324	100%	518	100%	5,516	100%
2e.	Coursework emphasizes: Applying theories or concepts to practical problems or in new situations	APPLYING (LAC)	Very little	0	0%	9	4%	11	2%	133	3%	0	0%	4	1%	12	2%	105	2%
			Some	1	17%	35	15%	84	17%	862	17%	2	18%	55	17%	76	15%	754	14%
			Quite a bit	2	33%	93	41%	191	40%	1,838	36%	1	9%	99	30%	162	31%	1,741	32%
			Very much	3	50%	92	40%	197	41%	2,225	44%	8	73%	170	52%	268	52%	2,918	53%
			Total	6	100%	229	100%	483	100%	5,058	100%	11	100%	328	100%	518	100%	5,518	100%
3a.	Number of assigned textbooks, books, or book-length packs of course readings	READASGN (LAC)	None	0	0%	5	2%	9	2%	59	1%	0	0%	4	1%	8	2%	103	2%
			1-4	2	29%	51	22%	91	19%	994	20%	5	45%	120	37%	162	31%	1,703	31%
			5-10	5	71%	108	47%	222	46%	2,206	43%	4	36%	130	40%	218	42%	2,282	41%
			11-20	0	0%	44	19%	121	25%	1,221	24%	1	9%	47	14%	84	16%	919	17%
			More than 20	0	0%	24	10%	41	8%	597	12%	1	9%	26	8%	48	9%	526	10%
			Total	7	100%	232	100%	484	100%	5,077	100%	11	100%	327	100%	520	100%	5,533	100%



NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions
Frequency Distributions-PHYSICAL SCIENCES
Ferris State University

First-Year Students

Seniors

	Variable	Response Options	First-Year Students				Seniors					
			Ferris State	Selected Peers	Carnegie Class	NSSE 2010	Ferris State	Selected Peers	Carnegie Class	NSSE 2010		
			Count	%	Count	%	Count	%	Count	%	Count	%
3b. Number of books read on your own (not assigned) for personal enjoyment or academic enrichment	READOWN	None	4	57%	66	29%	113	23%	1,247	25%	3	27%
		1-4	3	43%	115	50%	252	52%	2,687	53%	5	45%
		5-10	0	0%	24	10%	75	16%	751	15%	0	0%
		11-20	0	0%	13	6%	23	5%	196	4%	1	9%
		More than 20	0	0%	13	6%	20	4%	186	4%	2	18%
		Total	7	100%	231	100%	483	100%	5,067	100%	11	100%
3c. Number of written papers or reports of 20 pages or more	WRITEMOR (LAC)	None	5	71%	198	86%	414	86%	4,302	85%	6	55%
		1-4	1	14%	23	10%	51	11%	542	11%	4	36%
		5-10	1	14%	5	2%	13	3%	127	3%	1	9%
		11-20	0	0%	1	0%	3	1%	51	1%	0	0%
		More than 20	0	0%	2	1%	1	0%	38	1%	0	0%
		Total	7	100%	229	100%	482	100%	5,060	100%	11	100%
3d. Number of written papers or reports between 5 and 19 pages	WRITEMID (LAC)	None	2	29%	34	15%	83	17%	791	16%	0	0%
		1-4	3	43%	134	58%	272	56%	2,805	55%	8	73%
		5-10	1	14%	48	21%	94	20%	1,138	23%	2	18%
		11-20	0	0%	10	4%	26	5%	255	5%	1	9%
		More than 20	1	14%	4	2%	7	1%	66	1%	0	0%
		Total	7	100%	230	100%	482	100%	5,055	100%	11	100%
3e. Number of written papers or reports of fewer than 5 pages	WRITESML (LAC)	None	0	0%	8	3%	13	3%	157	3%	1	9%
		1-4	4	57%	73	32%	142	29%	1,525	30%	5	45%
		5-10	0	0%	90	39%	184	38%	1,852	36%	2	18%
		11-20	2	29%	44	19%	95	20%	997	20%	2	18%
		More than 20	1	14%	16	7%	48	10%	546	11%	1	9%
		Total	7	100%	231	100%	482	100%	5,077	100%	11	100%
4a. Number of problem sets that take you more than an hour to complete	PROBSETA	None	0	0%	18	8%	35	7%	297	6%	1	9%
		1-2	3	43%	74	32%	154	32%	1,609	32%	2	18%
		3-4	2	29%	84	36%	172	36%	1,742	34%	4	36%
		5-6	1	14%	29	13%	63	13%	676	13%	2	18%
		More than 6	1	14%	26	11%	57	12%	751	15%	2	18%
		Total	7	100%	231	100%	481	100%	5,075	100%	11	100%
4b. Number of problem sets that take you less than an hour to complete	PROBSETB	None	0	0%	14	6%	50	10%	578	11%	0	0%
		1-2	1	14%	79	34%	182	38%	1,827	36%	6	55%
		3-4	4	57%	66	28%	120	25%	1,271	25%	3	27%
		5-6	1	14%	35	15%	63	13%	590	12%	1	9%
		More than 6	1	14%	39	17%	68	14%	801	16%	1	9%
		Total	7	100%	233	100%	483	100%	5,067	100%	11	100%



NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions
Frequency Distributions-PHYSICAL SCIENCES
Ferris State University

			First-Year Students								Seniors							
			Ferris State		Selected Peers		Carnegie Class		NSSE 2010		Ferris State		Selected Peers		Carnegie Class		NSSE 2010	
Variable	Response Options		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
5. Select the circle that best represents the extent to which your examinations during the current school year challenged you to do your best work	EXAMS	1 Very little	0	0%	4	2%	0	0%	41	1%	0	0%	1	0%	2	0%	37	1%
		2	0	0%	4	2%	9	2%	62	1%	0	0%	5	2%	6	1%	86	2%
		3	0	0%	8	3%	10	2%	161	3%	0	0%	8	2%	19	4%	165	3%
		4	0	0%	27	12%	37	8%	507	10%	1	9%	30	9%	55	11%	489	9%
		5	2	29%	77	33%	130	27%	1,404	28%	5	45%	80	24%	128	25%	1,365	25%
		6	3	43%	83	36%	190	39%	1,897	37%	3	27%	133	41%	193	37%	2,051	37%
		7 Very much	2	29%	30	13%	107	22%	1,011	20%	2	18%	71	22%	116	22%	1,344	24%
	Total		7	100%	233	100%	483	100%	5,083	100%	11	100%	328	100%	519	100%	5,537	100%
6a. Attended an art exhibit, play, dance, music, theater, or other performance	ATDART07	Never	1	14%	68	29%	95	20%	1,068	21%	3	27%	119	37%	150	29%	1,600	29%
		Sometimes	2	29%	117	50%	234	49%	2,494	49%	5	45%	152	47%	255	49%	2,714	49%
		Often	2	29%	28	12%	105	22%	1,043	21%	3	27%	40	12%	88	17%	840	15%
		Very often	2	29%	20	9%	48	10%	439	9%	0	0%	13	4%	23	4%	350	6%
		Total	7	100%	233	100%	482	100%	5,044	100%	11	100%	324	100%	516	100%	5,504	100%
6b. Exercised or participated in physical fitness activities	EXRCSE05	Never	0	0%	28	12%	47	10%	525	10%	2	18%	46	14%	62	12%	624	11%
		Sometimes	1	17%	60	26%	144	30%	1,460	29%	3	27%	105	32%	155	30%	1,730	31%
		Often	3	50%	62	27%	111	23%	1,272	25%	1	9%	90	28%	113	22%	1,333	24%
		Very often	2	33%	82	35%	181	37%	1,803	36%	5	45%	86	26%	187	36%	1,837	33%
		Total	6	100%	232	100%	483	100%	5,060	100%	11	100%	327	100%	517	100%	5,524	100%
6c. Participated in activities to enhance your spirituality (worship, meditation, prayer, etc.)	WORSHPO5	Never	2	29%	110	48%	194	40%	2,071	41%	7	64%	142	43%	224	43%	2,400	43%
		Sometimes	2	29%	51	22%	141	29%	1,343	27%	2	18%	88	27%	133	26%	1,306	24%
		Often	0	0%	32	14%	61	13%	735	15%	1	9%	44	13%	72	14%	735	13%
		Very often	3	43%	37	16%	87	18%	904	18%	1	9%	54	16%	90	17%	1,080	20%
		Total	7	100%	230	100%	483	100%	5,053	100%	11	100%	328	100%	519	100%	5,521	100%
6d. Examined the strengths and weaknesses of your own views on a topic or issue	OWNVIEW	Never	2	29%	38	17%	44	9%	493	10%	2	18%	39	12%	44	9%	490	9%
		Sometimes	3	43%	87	38%	194	40%	1,950	39%	5	45%	123	38%	190	37%	1,987	36%
		Often	0	0%	61	27%	178	37%	1,707	34%	2	18%	108	33%	196	38%	1,898	34%
		Very often	2	29%	43	19%	68	14%	913	18%	2	18%	53	16%	87	17%	1,140	21%
		Total	7	100%	229	100%	484	100%	5,063	100%	11	100%	323	100%	517	100%	5,515	100%
6e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	OTHRVIEW	Never	1	14%	19	8%	32	7%	320	6%	1	9%	30	9%	30	6%	312	6%
		Sometimes	3	43%	83	36%	175	36%	1,700	34%	4	36%	112	34%	183	35%	1,809	33%
		Often	1	14%	82	35%	189	39%	1,935	38%	2	18%	117	36%	202	39%	2,114	38%
		Very often	2	29%	48	21%	86	18%	1,114	22%	4	36%	66	20%	102	20%	1,287	23%
		Total	7	100%	232	100%	482	100%	5,069	100%	11	100%	325	100%	517	100%	5,522	100%
6f. Learned something that changed the way you understand an issue or concept	CHNGVIEW	Never	1	14%	14	6%	19	4%	200	4%	0	0%	24	7%	21	4%	198	4%
		Sometimes	2	29%	72	31%	155	32%	1,573	31%	5	45%	105	32%	158	30%	1,771	32%
		Often	2	29%	107	46%	196	41%	2,058	41%	4	36%	125	38%	219	42%	2,150	39%
		Very often	2	29%	40	17%	112	23%	1,243	24%	2	18%	74	23%	121	23%	1,403	25%
		Total	7	100%	233	100%	482	100%	5,074	100%	11	100%	328	100%	519	100%	5,522	100%



NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions
Frequency Distributions-PHYSICAL SCIENCES
Ferris State University

First-Year Students

Seniors

	Variable	Response Options	First-Year Students				Seniors											
			Ferris State	Selected Peers	Carnegie Class	NSSE 2010	Ferris State	Selected Peers	Carnegie Class	NSSE 2010								
			Count	%	Count	%	Count	%	Count	%	Count	%						
7a. Practicum, internship, field experience, co-op experience, or clinical assignment	INTERN04 (EEE)	Have not decided	1	14%	40	17%	63	13%	688	14%	0	0%	35	11%	41	8%	459	8%
		Do not plan to do	1	14%	12	5%	15	3%	197	4%	1	9%	56	17%	102	20%	995	18%
		Plan to do	5	71%	175	75%	382	79%	3,936	78%	5	45%	84	26%	99	19%	1,292	23%
		Done	0	0%	5	2%	23	5%	251	5%	5	45%	151	46%	276	53%	2,781	50%
	Total	7	100%	232	100%	483	100%	5,072	100%	11	100%	326	100%	518	100%	5,527	100%	
7b. Community service or volunteer work	VOLNTR04 (EEE)	Have not decided	1	14%	35	15%	53	11%	631	13%	1	9%	43	13%	43	8%	496	9%
		Do not plan to do	1	14%	20	9%	25	5%	279	6%	1	9%	59	18%	74	14%	927	17%
		Plan to do	2	29%	98	42%	190	40%	2,006	40%	2	18%	41	13%	44	9%	656	12%
		Done	3	43%	79	34%	213	44%	2,132	42%	7	64%	184	56%	351	69%	3,434	62%
	Total	7	100%	232	100%	481	100%	5,048	100%	11	100%	327	100%	512	100%	5,513	100%	
7c. Participate in a learning community or some other formal program where groups of students take two or more classes together	LRNCOM04 (EEE)	Have not decided	2	29%	93	40%	178	37%	1,756	35%	3	27%	43	13%	59	11%	714	13%
		Do not plan to do	3	43%	54	23%	119	25%	1,344	27%	5	45%	189	58%	304	59%	3,076	56%
		Plan to do	2	29%	52	22%	102	21%	1,147	23%	0	0%	22	7%	33	6%	338	6%
		Done	0	0%	33	14%	81	17%	797	16%	3	27%	73	22%	118	23%	1,365	25%
	Total	7	100%	232	100%	480	100%	5,044	100%	11	100%	327	100%	514	100%	5,493	100%	
7d. Work on a research project with a faculty member outside of course or program requirements	RESRCH04 (SFI)	Have not decided	2	29%	74	32%	169	35%	1,565	31%	4	36%	47	14%	51	10%	614	11%
		Do not plan to do	3	43%	38	16%	56	12%	643	13%	3	27%	117	36%	170	33%	1,752	32%
		Plan to do	2	29%	111	48%	226	47%	2,567	51%	3	27%	48	15%	81	16%	849	15%
		Done	0	0%	9	4%	29	6%	286	6%	1	9%	116	35%	217	42%	2,310	42%
	Total	7	100%	232	100%	480	100%	5,061	100%	11	100%	328	100%	519	100%	5,525	100%	
7e. Foreign language coursework	FORLNG04 (EEE)	Have not decided	3	43%	44	19%	64	13%	803	16%	0	0%	24	7%	22	4%	303	5%
		Do not plan to do	1	14%	77	33%	110	23%	1,081	21%	5	45%	143	44%	166	32%	1,904	34%
		Plan to do	3	43%	79	34%	175	37%	1,784	35%	0	0%	21	6%	26	5%	348	6%
		Done	0	0%	33	14%	130	27%	1,388	27%	6	55%	138	42%	300	58%	2,965	54%
	Total	7	100%	233	100%	479	100%	5,056	100%	11	100%	326	100%	514	100%	5,520	100%	
7f. Study abroad	STDABR04 (EEE)	Have not decided	4	57%	80	34%	156	33%	1,510	30%	5	45%	38	12%	50	10%	602	11%
		Do not plan to do	2	29%	85	37%	117	24%	1,298	26%	5	45%	232	72%	347	67%	3,603	65%
		Plan to do	1	14%	65	28%	195	41%	2,114	42%	1	9%	22	7%	26	5%	410	7%
		Done	0	0%	2	1%	12	3%	126	2%	0	0%	29	9%	93	18%	886	16%
	Total	7	100%	232	100%	480	100%	5,048	100%	11	100%	321	100%	516	100%	5,501	100%	
7g. Independent study or self-designed major	INDSTD04 (EEE)	Have not decided	0	0%	76	33%	167	35%	1,651	33%	1	9%	40	12%	46	9%	522	9%
		Do not plan to do	7	100%	119	52%	214	44%	2,387	47%	8	73%	188	57%	281	54%	3,144	57%
		Plan to do	0	0%	34	15%	84	17%	838	17%	1	9%	33	10%	28	5%	469	9%
		Done	0	0%	2	1%	17	4%	162	3%	1	9%	67	20%	161	31%	1,370	25%
	Total	7	100%	231	100%	482	100%	5,038	100%	11	100%	328	100%	516	100%	5,505	100%	



NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions
Frequency Distributions-PHYSICAL SCIENCES
Ferris State University

			First-Year Students								Seniors							
			Ferris State		Selected Peers		Carnegie Class		NSSE 2010		Ferris State		Selected Peers		Carnegie Class		NSSE 2010	
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
7h.	Culminating senior experience (capstone course, senior project or thesis, comprehensive exam, etc.)	SNRX04 (EEE)																
		Have not decided	4	57%	95	41%	173	36%	1,740	34%	2	18%	36	11%	36	7%	470	9%
		Do not plan to do	2	29%	19	8%	32	7%	377	7%	3	27%	51	16%	125	24%	1,266	23%
		Plan to do	1	14%	112	48%	270	56%	2,858	56%	2	18%	98	30%	166	32%	1,779	32%
		Done	0	0%	6	3%	7	1%	86	2%	4	36%	142	43%	192	37%	2,014	36%
		Total	7	100%	232	100%	482	100%	5,061	100%	11	100%	327	100%	519	100%	5,529	100%
8a.	Quality of relationships with other students	ENVSTU (SCE)																
		1 Unfriendly, Unsupportive, Sense of alienation	0	0%	3	1%	5	1%	59	1%	0	0%	6	2%	5	1%	57	1%
		2	0	0%	4	2%	12	2%	99	2%	0	0%	11	3%	17	3%	140	3%
		3	0	0%	8	3%	17	4%	233	5%	0	0%	5	2%	17	3%	198	4%
		4	2	29%	39	17%	54	11%	574	11%	2	18%	33	10%	36	7%	490	9%
		5	0	0%	51	22%	107	22%	1,112	22%	2	18%	66	20%	102	20%	1,129	20%
		6	2	29%	78	33%	174	36%	1,663	33%	3	27%	114	35%	170	33%	1,812	33%
		7 Friendly, Supportive, Sense of belonging	3	43%	50	21%	115	24%	1,337	26%	4	36%	91	28%	173	33%	1,704	31%
		Total	7	100%	233	100%	484	100%	5,077	100%	11	100%	326	100%	520	100%	5,530	100%
8b.	Quality of relationships with faculty members	ENVFAC (SCE)																
		1 Unavailable, Unhelpful, Unsympathetic	0	0%	1	0%	2	0%	30	1%	0	0%	3	1%	6	1%	50	1%
		2	0	0%	8	3%	7	1%	92	2%	0	0%	2	1%	7	1%	104	2%
		3	0	0%	11	5%	18	4%	222	4%	0	0%	16	5%	10	2%	224	4%
		4	0	0%	36	16%	66	14%	718	14%	1	10%	27	8%	41	8%	552	10%
		5	2	29%	68	29%	146	30%	1,324	26%	3	30%	65	20%	109	21%	1,157	21%
		6	2	29%	72	31%	153	32%	1,698	33%	3	30%	127	39%	184	35%	1,896	34%
		7 Available, Helpful, Sympathetic	3	43%	36	16%	91	19%	995	20%	3	30%	87	27%	162	31%	1,548	28%
		Total	7	100%	232	100%	483	100%	5,079	100%	10	100%	327	100%	519	100%	5,531	100%
8c.	Quality of relationships with administrative personnel and offices	ENVADM (SCE)																
		1 Unhelpful, Inconsiderate, Rigid	0	0%	6	3%	6	1%	112	2%	1	9%	19	6%	23	4%	283	5%
		2	0	0%	16	7%	20	4%	215	4%	0	0%	21	6%	46	9%	422	8%
		3	1	14%	25	11%	37	8%	426	8%	3	27%	30	9%	53	10%	572	10%
		4	1	14%	51	22%	101	21%	1,147	23%	1	9%	78	24%	107	21%	1,137	21%
		5	1	14%	53	23%	128	26%	1,272	25%	3	27%	73	22%	126	24%	1,338	24%
		6	2	29%	56	24%	124	26%	1,220	24%	1	9%	60	18%	105	20%	1,062	19%
		7 Helpful, Considerate, Flexible	2	29%	26	11%	68	14%	682	13%	2	18%	44	14%	59	11%	713	13%
		Total	7	100%	233	100%	484	100%	5,074	100%	11	100%	325	100%	519	100%	5,527	100%



NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions
Frequency Distributions-PHYSICAL SCIENCES
Ferris State University

			First-Year Students								Seniors								
			Ferris State		Selected Peers		Carnegie Class		NSSE 2010		Ferris State		Selected Peers		Carnegie Class		NSSE 2010		
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
9a.	Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	ACADPR01 (LAC)	0 hr/wk	0	0%	2	1%	2	0%	23	0%	0	0%	0	0%	1	0%	18	0%
			1-5 hr/wk	0	0%	23	10%	44	9%	440	9%	0	0%	28	9%	45	9%	510	9%
			6-10 hr/wk	2	29%	68	29%	112	23%	1,004	20%	3	27%	62	19%	92	18%	1,028	19%
			11-15 hr/wk	1	14%	54	23%	112	23%	1,110	22%	2	18%	71	22%	88	17%	1,032	19%
			16-20 hr/wk	4	57%	43	18%	81	17%	1,044	21%	4	36%	63	19%	89	17%	1,053	19%
			21-25 hr/wk	0	0%	20	9%	58	12%	667	13%	1	9%	34	10%	81	16%	690	12%
			26-30 hr/wk	0	0%	8	3%	41	8%	379	7%	1	9%	28	9%	56	11%	489	9%
			30+ hr/wk	0	0%	15	6%	33	7%	406	8%	0	0%	42	13%	66	13%	707	13%
			Total	7	100%	233	100%	483	100%	5,073	100%	11	100%	328	100%	518	100%	5,527	100%
9b.	Working for pay on campus	WORKON01	0 hr/wk	5	71%	204	88%	379	79%	3,820	75%	6	55%	183	56%	237	46%	2,792	51%
			1-5 hr/wk	0	0%	6	3%	29	6%	337	7%	1	9%	24	7%	83	16%	648	12%
			6-10 hr/wk	0	0%	12	5%	35	7%	482	10%	0	0%	43	13%	91	18%	897	16%
			11-15 hr/wk	1	14%	6	3%	23	5%	248	5%	0	0%	30	9%	51	10%	557	10%
			16-20 hr/wk	0	0%	3	1%	9	2%	132	3%	3	27%	37	11%	36	7%	452	8%
			21-25 hr/wk	1	14%	1	0%	4	1%	31	1%	0	0%	5	2%	9	2%	92	2%
			26-30 hr/wk	0	0%	0	0%	1	0%	9	0%	1	9%	1	0%	5	1%	30	1%
			30+ hr/wk	0	0%	1	0%	1	0%	14	0%	0	0%	3	1%	7	1%	56	1%
			Total	7	100%	233	100%	481	100%	5,073	100%	11	100%	326	100%	519	100%	5,524	100%
9c.	Working for pay off campus	WORKOF01	0 hr/wk	6	86%	158	68%	374	77%	3,988	79%	6	55%	166	51%	320	62%	3,367	61%
			1-5 hr/wk	0	0%	12	5%	30	6%	224	4%	1	9%	23	7%	40	8%	384	7%
			6-10 hr/wk	0	0%	10	4%	16	3%	185	4%	1	9%	22	7%	36	7%	324	6%
			11-15 hr/wk	0	0%	18	8%	20	4%	196	4%	1	9%	19	6%	32	6%	300	5%
			16-20 hr/wk	1	14%	20	9%	10	2%	175	3%	1	9%	32	10%	26	5%	353	6%
			21-25 hr/wk	0	0%	7	3%	15	3%	114	2%	0	0%	25	8%	28	5%	257	5%
			26-30 hr/wk	0	0%	3	1%	4	1%	71	1%	0	0%	17	5%	11	2%	151	3%
			30+ hr/wk	0	0%	5	2%	15	3%	105	2%	1	9%	23	7%	27	5%	386	7%
			Total	7	100%	233	100%	484	100%	5,058	100%	11	100%	327	100%	520	100%	5,522	100%
9d.	Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	COCURR01 (EEE)	0 hr/wk	1	14%	95	41%	149	31%	1,574	31%	4	36%	132	40%	158	30%	1,941	35%
			1-5 hr/wk	2	29%	76	33%	154	32%	1,764	35%	4	36%	118	36%	185	36%	1,894	34%
			6-10 hr/wk	3	43%	35	15%	79	16%	799	16%	1	9%	37	11%	78	15%	757	14%
			11-15 hr/wk	1	14%	10	4%	45	9%	414	8%	2	18%	21	6%	44	8%	392	7%
			16-20 hr/wk	0	0%	7	3%	19	4%	237	5%	0	0%	7	2%	22	4%	230	4%
			21-25 hr/wk	0	0%	6	3%	15	3%	135	3%	0	0%	6	2%	17	3%	150	3%
			26-30 hr/wk	0	0%	2	1%	6	1%	66	1%	0	0%	0	0%	4	1%	49	1%
			30+ hr/wk	0	0%	2	1%	14	3%	81	2%	0	0%	6	2%	12	2%	110	2%
			Total	7	100%	233	100%	481	100%	5,070	100%	11	100%	327	100%	520	100%	5,523	100%



NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions
Frequency Distributions-PHYSICAL SCIENCES
Ferris State University

			First-Year Students								Seniors								
	Variable	Response Options	Ferris State		Selected Peers		Carnegie Class		NSSE 2010		Ferris State		Selected Peers		Carnegie Class		NSSE 2010		
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
9e.	Relaxing and socializing (watching TV, partying, etc.)	SOCIAL05	0 hr/wk	0	0%	2	1%	7	1%	70	1%	0	0%	3	1%	6	1%	76	1%
			1-5 hr/wk	0	0%	42	18%	89	19%	1,073	21%	4	36%	83	25%	124	24%	1,364	25%
			6-10 hr/wk	1	14%	63	27%	131	27%	1,480	29%	5	45%	95	29%	149	29%	1,684	31%
			11-15 hr/wk	3	43%	47	20%	119	25%	1,079	21%	2	18%	74	23%	109	21%	1,114	20%
			16-20 hr/wk	1	14%	24	10%	55	11%	648	13%	0	0%	35	11%	54	10%	626	11%
			21-25 hr/wk	0	0%	27	12%	31	6%	310	6%	0	0%	18	6%	29	6%	300	5%
			26-30 hr/wk	1	14%	11	5%	22	5%	145	3%	0	0%	7	2%	15	3%	129	2%
			30+ hr/wk	1	14%	17	7%	27	6%	265	5%	0	0%	12	4%	30	6%	228	4%
			Total	7	100%	233	100%	481	100%	5,070	100%	11	100%	327	100%	516	100%	5,521	100%
9f.	Providing care for dependents living with you (parents, children, spouse, etc.)	CAREDE01	0 hr/wk	5	71%	167	72%	383	79%	4,012	79%	6	55%	219	67%	393	76%	3,936	71%
			1-5 hr/wk	1	14%	41	18%	45	9%	554	11%	1	9%	47	14%	48	9%	624	11%
			6-10 hr/wk	0	0%	11	5%	24	5%	191	4%	1	9%	16	5%	29	6%	347	6%
			11-15 hr/wk	0	0%	3	1%	16	3%	121	2%	1	9%	12	4%	12	2%	154	3%
			16-20 hr/wk	1	14%	0	0%	2	0%	51	1%	0	0%	3	1%	10	2%	109	2%
			21-25 hr/wk	0	0%	1	0%	3	1%	25	0%	1	9%	4	1%	5	1%	57	1%
			26-30 hr/wk	0	0%	0	0%	1	0%	11	0%	0	0%	0	0%	0	0%	31	1%
			30+ hr/wk	0	0%	9	4%	9	2%	94	2%	1	9%	25	8%	19	4%	247	4%
			Total	7	100%	232	100%	483	100%	5,059	100%	11	100%	326	100%	516	100%	5,505	100%
9g.	Commuting to class (driving, walking, etc.)	COMMUTE	0 hr/wk	0	0%	20	9%	80	17%	828	16%	0	0%	14	4%	70	14%	574	10%
			1-5 hr/wk	4	57%	156	67%	320	66%	3,280	65%	7	64%	220	67%	344	66%	3,640	66%
			6-10 hr/wk	3	43%	45	19%	49	10%	634	12%	3	27%	61	19%	80	15%	916	17%
			11-15 hr/wk	0	0%	6	3%	24	5%	171	3%	1	9%	22	7%	13	3%	255	5%
			16-20 hr/wk	0	0%	5	2%	5	1%	81	2%	0	0%	6	2%	4	1%	69	1%
			21-25 hr/wk	0	0%	0	0%	2	0%	34	1%	0	0%	1	0%	2	0%	26	0%
			26-30 hr/wk	0	0%	0	0%	1	0%	11	0%	0	0%	1	0%	2	0%	10	0%
			30+ hr/wk	0	0%	1	0%	3	1%	37	1%	0	0%	3	1%	3	1%	35	1%
			Total	7	100%	233	100%	484	100%	5,076	100%	11	100%	328	100%	518	100%	5,525	100%
10a.	Spending significant amounts of time studying and on academic work	ENVSCHOL (LAC)	Very little	0	0%	10	4%	6	1%	77	2%	0	0%	9	3%	6	1%	108	2%
			Some	0	0%	35	15%	63	13%	679	13%	3	27%	61	19%	63	12%	841	15%
			Quite a bit	6	86%	111	48%	219	46%	2,264	45%	6	55%	147	45%	215	41%	2,259	41%
			Very much	1	14%	76	33%	192	40%	2,045	40%	2	18%	111	34%	237	45%	2,316	42%
			Total	7	100%	232	100%	480	100%	5,065	100%	11	100%	328	100%	521	100%	5,524	100%
10b.	Providing the support you need to help you succeed academically	ENVSUPRT (SCE)	Very little	0	0%	8	3%	7	1%	100	2%	0	0%	17	5%	16	3%	233	4%
			Some	0	0%	48	21%	71	15%	753	15%	2	18%	67	21%	91	17%	1,136	21%
			Quite a bit	6	86%	85	37%	206	43%	2,127	42%	3	27%	144	44%	223	43%	2,294	42%
			Very much	1	14%	90	39%	193	40%	2,068	41%	6	55%	98	30%	191	37%	1,848	34%
			Total	7	100%	231	100%	477	100%	5,048	100%	11	100%	326	100%	521	100%	5,511	100%



NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions
Frequency Distributions-PHYSICAL SCIENCES
Ferris State University

			First-Year Students								Seniors							
Item	Variable	Response Options	Ferris State		Selected Peers		Carnegie Class		NSSE 2010		Ferris State		Selected Peers		Carnegie Class		NSSE 2010	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
10c. Encouraging contact among students from different economic, social, and racial or ethnic backgrounds	ENVDIVRS (EEE)	Very little	2	29%	42	18%	59	12%	527	10%	4	36%	64	20%	93	18%	986	18%
		Some	0	0%	64	28%	164	34%	1,527	30%	2	18%	131	40%	186	36%	1,934	35%
		Quite a bit	3	43%	77	33%	146	31%	1,655	33%	3	27%	86	26%	132	25%	1,500	27%
		Very much	2	29%	48	21%	109	23%	1,341	27%	2	18%	47	14%	107	21%	1,082	20%
	Total	7	100%	231	100%	478	100%	5,050	100%	11	100%	328	100%	518	100%	5,502	100%	
10d. Helping you cope with your non-academic responsibilities (work, family, etc.)	ENVNACAD (SCE)	Very little	3	43%	66	28%	119	25%	1,058	21%	3	27%	126	38%	168	32%	1,843	33%
		Some	1	14%	88	38%	187	39%	2,021	40%	2	18%	135	41%	219	42%	2,186	40%
		Quite a bit	3	43%	52	22%	120	25%	1,315	26%	5	45%	47	14%	96	18%	1,035	19%
		Very much	0	0%	26	11%	52	11%	663	13%	1	9%	20	6%	36	7%	442	8%
Total	7	100%	232	100%	478	100%	5,057	100%	11	100%	328	100%	519	100%	5,506	100%		
10e. Providing the support you need to thrive socially	ENVSOCAL (SCE)	Very little	1	14%	36	16%	65	14%	669	13%	3	27%	86	27%	108	21%	1,223	22%
		Some	4	57%	90	39%	187	39%	1,811	36%	5	45%	130	40%	214	41%	2,148	39%
		Quite a bit	2	29%	75	32%	154	32%	1,706	34%	2	18%	85	26%	146	28%	1,490	27%
		Very much	0	0%	30	13%	71	15%	859	17%	1	9%	23	7%	49	9%	622	11%
Total	7	100%	231	100%	477	100%	5,045	100%	11	100%	324	100%	517	100%	5,483	100%		
10f. Attending campus events and activities (special speakers, cultural performances, athletic events, etc.)	ENVEVENT	Very little	0	0%	22	9%	38	8%	301	6%	1	9%	43	13%	40	8%	542	10%
		Some	1	14%	60	26%	108	23%	1,131	22%	4	36%	112	34%	142	27%	1,590	29%
		Quite a bit	5	71%	88	38%	190	40%	1,996	40%	4	36%	116	35%	224	43%	2,125	39%
		Very much	1	14%	62	27%	142	30%	1,624	32%	2	18%	57	17%	112	22%	1,240	23%
Total	7	100%	232	100%	478	100%	5,052	100%	11	100%	328	100%	518	100%	5,497	100%		
10g. Using computers in academic work	ENVCOMPT	Very little	0	0%	5	2%	13	3%	100	2%	0	0%	4	1%	10	2%	109	2%
		Some	1	14%	25	11%	75	16%	697	14%	1	9%	39	12%	54	10%	656	12%
		Quite a bit	5	71%	95	41%	174	36%	1,772	35%	3	27%	111	34%	175	34%	1,757	32%
		Very much	1	14%	107	46%	217	45%	2,487	49%	7	64%	173	53%	282	54%	2,998	54%
Total	7	100%	232	100%	479	100%	5,056	100%	11	100%	327	100%	521	100%	5,520	100%		
11a. Acquiring a broad general education	GNGENLED	Very little	0	0%	8	3%	6	1%	97	2%	0	0%	11	3%	13	3%	163	3%
		Some	1	14%	39	17%	65	14%	739	15%	1	9%	72	22%	70	14%	822	15%
		Quite a bit	5	71%	100	43%	191	40%	2,142	42%	2	18%	130	40%	183	35%	2,024	37%
		Very much	1	14%	85	37%	214	45%	2,077	41%	8	73%	114	35%	252	49%	2,503	45%
Total	7	100%	232	100%	476	100%	5,055	100%	11	100%	327	100%	518	100%	5,512	100%		
11b. Acquiring job or work-related knowledge and skills	GNWORK	Very little	0	0%	16	7%	40	8%	435	9%	0	0%	27	8%	29	6%	402	7%
		Some	3	43%	93	40%	142	30%	1,483	29%	2	18%	63	19%	120	23%	1,255	23%
		Quite a bit	2	29%	78	34%	185	39%	1,857	37%	6	55%	132	41%	194	38%	1,994	36%
		Very much	2	29%	44	19%	111	23%	1,265	25%	3	27%	103	32%	174	34%	1,857	34%
Total	7	100%	231	100%	478	100%	5,040	100%	11	100%	325	100%	517	100%	5,508	100%		



NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions
Frequency Distributions-PHYSICAL SCIENCES
Ferris State University

			First-Year Students								Seniors							
			Ferris State		Selected Peers		Carnegie Class		NSSE 2010		Ferris State		Selected Peers		Carnegie Class		NSSE 2010	
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
11c. Writing clearly and effectively	GNWRITE	Very little	0	0%	19	8%	25	5%	269	5%	1	9%	24	7%	29	6%	330	6%
		Some	1	14%	47	20%	127	26%	1,219	24%	4	36%	81	25%	128	25%	1,371	25%
		Quite a bit	5	71%	95	41%	205	43%	2,013	40%	4	36%	121	37%	203	39%	2,142	39%
		Very much	1	14%	71	31%	123	26%	1,552	31%	2	18%	101	31%	159	31%	1,665	30%
		Total	7	100%	232	100%	480	100%	5,053	100%	11	100%	327	100%	519	100%	5,508	100%
11d. Speaking clearly and effectively	GNSPEAK	Very little	0	0%	26	11%	43	9%	495	10%	0	0%	30	9%	32	6%	473	9%
		Some	2	29%	66	29%	146	31%	1,525	30%	4	36%	81	25%	142	27%	1,522	28%
		Quite a bit	3	43%	90	39%	178	37%	1,795	36%	4	36%	137	42%	210	41%	2,074	38%
		Very much	2	29%	48	21%	108	23%	1,218	24%	3	27%	79	24%	134	26%	1,428	26%
		Total	7	100%	230	100%	475	100%	5,033	100%	11	100%	327	100%	518	100%	5,497	100%
11e. Thinking critically and analytically	GNANALY	Very little	0	0%	8	3%	8	2%	103	2%	0	0%	6	2%	4	1%	96	2%
		Some	0	0%	26	11%	54	11%	607	12%	1	9%	39	12%	59	11%	515	9%
		Quite a bit	6	86%	99	42%	193	40%	1,912	38%	3	27%	122	37%	161	31%	1,740	32%
		Very much	1	14%	100	43%	223	47%	2,421	48%	7	64%	159	49%	291	57%	3,150	57%
		Total	7	100%	233	100%	478	100%	5,043	100%	11	100%	326	100%	515	100%	5,501	100%
11f. Analyzing quantitative problems	GNQUANT	Very little	0	0%	10	4%	7	1%	99	2%	0	0%	3	1%	6	1%	81	1%
		Some	1	14%	32	14%	61	13%	680	14%	1	9%	39	12%	38	7%	449	8%
		Quite a bit	5	71%	97	42%	186	39%	1,978	39%	3	27%	106	33%	165	32%	1,612	29%
		Very much	1	14%	92	40%	223	47%	2,276	45%	7	64%	175	54%	304	59%	3,341	61%
		Total	7	100%	231	100%	477	100%	5,033	100%	11	100%	323	100%	513	100%	5,483	100%
11g. Using computing and information technology	GNCMPTS	Very little	0	0%	12	5%	24	5%	236	5%	0	0%	13	4%	12	2%	175	3%
		Some	2	29%	52	23%	102	21%	1,026	20%	1	9%	51	16%	75	15%	898	16%
		Quite a bit	4	57%	99	43%	199	42%	2,001	40%	4	36%	125	38%	198	38%	1,974	36%
		Very much	1	14%	68	29%	154	32%	1,788	35%	6	55%	138	42%	231	45%	2,461	45%
		Total	7	100%	231	100%	479	100%	5,051	100%	11	100%	327	100%	516	100%	5,508	100%
11h. Working effectively with others	GNOTHERS	Very little	1	14%	16	7%	20	4%	240	5%	0	0%	13	4%	23	4%	248	5%
		Some	1	14%	66	28%	112	23%	1,203	24%	1	9%	67	20%	105	21%	1,234	22%
		Quite a bit	2	29%	93	40%	199	42%	2,037	40%	8	73%	140	43%	203	40%	2,166	39%
		Very much	3	43%	58	25%	147	31%	1,570	31%	2	18%	107	33%	181	35%	1,859	34%
		Total	7	100%	233	100%	478	100%	5,050	100%	11	100%	327	100%	512	100%	5,507	100%
11i. Voting in local, state, or national elections	GNCITIZN	Very little	4	67%	119	51%	235	50%	2,462	49%	4	36%	139	43%	204	39%	2,169	40%
		Some	2	33%	77	33%	147	31%	1,544	31%	5	45%	109	34%	174	34%	1,791	33%
		Quite a bit	0	0%	26	11%	57	12%	681	14%	1	9%	53	16%	97	19%	972	18%
		Very much	0	0%	10	4%	35	7%	344	7%	1	9%	24	7%	42	8%	556	10%
		Total	6	100%	232	100%	474	100%	5,031	100%	11	100%	325	100%	517	100%	5,488	100%



NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions
Frequency Distributions-PHYSICAL SCIENCES
Ferris State University

			First-Year Students								Seniors								
			Ferris State		Selected Peers		Carnegie Class		NSSE 2010		Ferris State		Selected Peers		Carnegie Class		NSSE 2010		
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
11j.	Learning effectively on your own	GNINQ	Very little	0	0%	15	6%	24	5%	239	5%	1	9%	20	6%	28	5%	297	5%
			Some	3	43%	61	26%	107	23%	1,151	23%	3	27%	72	22%	104	20%	1,038	19%
			Quite a bit	3	43%	110	47%	212	45%	2,228	44%	4	36%	142	44%	206	40%	2,217	40%
			Very much	1	14%	46	20%	128	27%	1,410	28%	3	27%	91	28%	176	34%	1,935	35%
			Total	7	100%	232	100%	471	100%	5,028	100%	11	100%	325	100%	514	100%	5,487	100%
11k.	Understanding yourself	GNSELF	Very little	0	0%	32	14%	54	11%	516	10%	3	27%	44	14%	62	12%	657	12%
			Some	5	71%	69	30%	126	27%	1,375	27%	4	36%	107	33%	130	25%	1,435	26%
			Quite a bit	2	29%	85	37%	170	36%	1,850	37%	2	18%	107	33%	186	36%	1,873	34%
			Very much	0	0%	44	19%	120	26%	1,274	25%	2	18%	67	21%	135	26%	1,508	28%
			Total	7	100%	230	100%	470	100%	5,015	100%	11	100%	325	100%	513	100%	5,473	100%
11l.	Understanding people of other racial and ethnic backgrounds	GNDIVERS	Very little	1	14%	42	18%	78	16%	664	13%	1	9%	64	20%	96	19%	943	17%
			Some	3	43%	86	37%	168	36%	1,681	34%	3	27%	134	41%	198	38%	2,006	37%
			Quite a bit	3	43%	77	33%	145	31%	1,676	33%	5	45%	83	26%	138	27%	1,578	29%
			Very much	0	0%	27	12%	82	17%	995	20%	2	18%	42	13%	85	16%	957	17%
			Total	7	100%	232	100%	473	100%	5,016	100%	11	100%	323	100%	517	100%	5,484	100%
11m.	Solving complex real-world problems	GNPROBSV	Very little	1	14%	23	10%	41	9%	417	8%	2	18%	36	11%	32	6%	463	8%
			Some	1	14%	76	33%	161	34%	1,593	32%	2	18%	80	25%	149	29%	1,479	27%
			Quite a bit	5	71%	92	40%	173	37%	1,921	38%	3	27%	124	39%	186	36%	1,966	36%
			Very much	0	0%	40	17%	98	21%	1,094	22%	4	36%	82	25%	146	28%	1,575	29%
			Total	7	100%	231	100%	473	100%	5,025	100%	11	100%	322	100%	513	100%	5,483	100%
11n.	Developing a personal code of values and ethics	GNETHICS	Very little	1	14%	38	16%	58	12%	676	13%	1	9%	75	23%	86	17%	976	18%
			Some	3	43%	98	42%	166	35%	1,491	30%	4	36%	97	30%	152	29%	1,582	29%
			Quite a bit	3	43%	67	29%	151	32%	1,677	33%	4	36%	94	29%	178	34%	1,618	29%
			Very much	0	0%	29	13%	98	21%	1,188	24%	2	18%	56	17%	100	19%	1,314	24%
			Total	7	100%	232	100%	473	100%	5,032	100%	11	100%	322	100%	516	100%	5,490	100%
11o.	Contributing to the welfare of your community	GNCOMMUN	Very little	4	57%	51	22%	73	15%	794	16%	2	18%	81	25%	106	21%	1,181	22%
			Some	1	14%	98	42%	189	40%	1,815	36%	6	55%	128	40%	172	34%	1,899	35%
			Quite a bit	2	29%	62	27%	137	29%	1,539	31%	2	18%	82	25%	161	31%	1,510	28%
			Very much	0	0%	21	9%	74	16%	884	18%	1	9%	32	10%	73	14%	891	16%
			Total	7	100%	232	100%	473	100%	5,032	100%	11	100%	323	100%	512	100%	5,481	100%
11p.	Developing a deepened sense of spirituality	GNSPIRIT	Very little	3	43%	108	47%	189	40%	1,878	37%	8	73%	208	64%	254	49%	2,754	50%
			Some	2	29%	66	28%	133	28%	1,354	27%	3	27%	71	22%	131	25%	1,254	23%
			Quite a bit	2	29%	37	16%	94	20%	1,014	20%	0	0%	25	8%	80	16%	759	14%
			Very much	0	0%	21	9%	57	12%	792	16%	0	0%	21	6%	51	10%	720	13%
			Total	7	100%	232	100%	473	100%	5,038	100%	11	100%	325	100%	516	100%	5,487	100%



NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions
Frequency Distributions-PHYSICAL SCIENCES
Ferris State University

First-Year Students

Seniors

	Variable	Response Options	First-Year Students				Seniors											
			Ferris State	Selected Peers	Carnegie Class	NSSE 2010	Ferris State	Selected Peers	Carnegie Class	NSSE 2010								
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%				
12.	Overall, how would you evaluate the quality of academic advising you have received at your institution?	ADVISE																
		Poor	0	0%	13	6%	20	4%	201	4%	0	0%	33	10%	36	7%	457	8%
		Fair	2	29%	37	16%	69	14%	691	14%	2	18%	57	17%	91	17%	1,002	18%
		Good	3	43%	103	44%	225	47%	2,362	46%	6	55%	144	44%	216	41%	2,219	40%
		Excellent	2	29%	80	34%	168	35%	1,826	36%	3	27%	92	28%	178	34%	1,860	34%
		Total	7	100%	233	100%	482	100%	5,080	100%	11	100%	326	100%	521	100%	5,538	100%
13.	How would you evaluate your entire educational experience at this institution?	ENTIREXP																
		Poor	0	0%	5	2%	10	2%	88	2%	0	0%	10	3%	11	2%	135	2%
		Fair	1	14%	33	14%	47	10%	457	9%	4	36%	42	13%	49	9%	603	11%
		Good	4	57%	105	45%	221	46%	2,318	46%	4	36%	145	44%	221	43%	2,448	44%
		Excellent	2	29%	90	39%	204	42%	2,217	44%	3	27%	130	40%	239	46%	2,342	42%
		Total	7	100%	233	100%	482	100%	5,080	100%	11	100%	327	100%	520	100%	5,528	100%
14.	If you could start over again, would you go to the same institution you are now attending?	SAMECOLL																
		Definitely no	0	0%	8	3%	21	4%	181	4%	1	9%	16	5%	21	4%	293	5%
		Probably no	0	0%	36	15%	57	12%	544	11%	2	18%	50	15%	68	13%	709	13%
		Probably yes	4	57%	80	34%	191	40%	1,970	39%	3	27%	135	41%	182	35%	2,040	37%
		Definitely yes	3	43%	109	47%	213	44%	2,387	47%	5	45%	126	39%	249	48%	2,500	45%
		Total	7	100%	233	100%	482	100%	5,082	100%	11	100%	327	100%	520	100%	5,542	100%



NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions
Frequency Distributions-PHYSICAL SCIENCES
Ferris State University

			First-Year Students								Seniors							
Question	Variable	Response Options	Ferris State		Selected Peers		Carnegie Class		NSSE 2010		Ferris State		Selected Peers		Carnegie Class		NSSE 2010	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
15. Age	AGE	19 or younger	6	86%	206	89%	448	93%	4,653	92%	0	0%	3	1%	2	0%	31	1%
		20-23	1	14%	15	6%	30	6%	292	6%	5	45%	224	69%	430	83%	4,228	76%
		24-29	0	0%	7	3%	4	1%	77	2%	4	36%	56	17%	50	10%	781	14%
		30-39	0	0%	3	1%	1	0%	38	1%	2	18%	24	7%	21	4%	308	6%
		40-55	0	0%	1	0%	1	0%	14	0%	0	0%	16	5%	12	2%	164	3%
		Over 55	0	0%	0	0%	0	0%	3	0%	0	0%	3	1%	1	0%	18	0%
		Total	7	100%	232	100%	484	100%	5,077	100%	11	100%	326	100%	516	100%	5,530	100%
16. Your sex:	SEX	Male	4	57%	117	50%	220	45%	2,407	47%	6	60%	148	45%	251	48%	2,800	51%
		Female	3	43%	116	50%	264	55%	2,672	53%	4	40%	180	55%	268	52%	2,736	49%
		Total	7	100%	233	100%	484	100%	5,079	100%	10	100%	328	100%	519	100%	5,536	100%
17. Are you an international student or foreign national?	INTERNAT	No	7	100%	220	94%	452	94%	4,655	92%	11	100%	317	97%	501	97%	5,179	94%
		Yes	0	0%	13	6%	28	6%	411	8%	0	0%	9	3%	18	3%	346	6%
		Total	7	100%	233	100%	480	100%	5,066	100%	11	100%	326	100%	519	100%	5,525	100%
18. What is your racial or ethnic identification? (Select only one.)	RACE05	American Indian or other Native American	0	0%	1	0%	1	0%	32	1%	0	0%	1	0%	2	0%	38	1%
		Asian, Asian American, or Pacific Islander	0	0%	6	3%	38	8%	516	10%	0	0%	13	4%	21	4%	437	8%
		Black or African American	0	0%	11	5%	27	6%	381	8%	1	9%	11	3%	17	3%	285	5%
		White (non-Hispanic)	7	100%	194	83%	342	71%	3,371	66%	10	91%	262	80%	400	77%	3,846	70%
		Mexican or Mexican American	0	0%	4	2%	9	2%	155	3%	0	0%	1	0%	9	2%	146	3%
		Puerto Rican	0	0%	0	0%	7	1%	47	1%	0	0%	1	0%	4	1%	42	1%
		Other Hispanic or Latino	0	0%	1	0%	14	3%	124	2%	0	0%	0	0%	14	3%	132	2%
		Multiracial	0	0%	4	2%	11	2%	140	3%	0	0%	8	2%	8	2%	140	3%
		Other	0	0%	1	0%	8	2%	65	1%	0	0%	8	2%	3	1%	95	2%
		I prefer not to respond	0	0%	11	5%	25	5%	246	5%	0	0%	23	7%	41	8%	372	7%
		Total	7	100%	233	100%	482	100%	5,077	100%	11	100%	328	100%	519	100%	5,533	100%
19. What is your current classification in college?	CLASS	Freshman/first year	6	86%	203	87%	437	90%	4,509	89%	0	0%	1	0%	1	0%	6	0%
		Sophomore	1	14%	27	12%	43	9%	489	10%	0	0%	0	0%	2	0%	18	0%
		Junior	0	0%	2	1%	3	1%	48	1%	0	0%	12	4%	38	7%	411	7%
		Senior	0	0%	0	0%	0	0%	12	0%	10	91%	308	94%	464	89%	4,982	90%
		Unclassified	0	0%	1	0%	1	0%	25	0%	1	9%	6	2%	16	3%	123	2%
		Total	7	100%	233	100%	484	100%	5,083	100%	11	100%	327	100%	521	100%	5,540	100%
20. Did you begin college at your current institution or elsewhere?	ENTER	Started here	5	71%	216	93%	451	94%	4,772	94%	6	55%	186	57%	386	74%	3,845	69%
		Started elsewhere	2	29%	16	7%	30	6%	309	6%	5	45%	141	43%	135	26%	1,696	31%
		Total	7	100%	232	100%	481	100%	5,081	100%	11	100%	327	100%	521	100%	5,541	100%



NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions
Frequency Distributions-PHYSICAL SCIENCES
Ferris State University

			First-Year Students								Seniors							
			Ferris State		Selected Peers		Carnegie Class		NSSE 2010		Ferris State		Selected Peers		Carnegie Class		NSSE 2010	
Variable	Response Options		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
21. Since graduating from high school, which of the following types of schools have you attended other than the one you are attending now? (Select all that apply.)	VOTECH05	Vocational or technical school	0	0%	6	3%	11	2%	81	2%	3	27%	17	5%	18	3%	204	4%
	COMCOL05	Community or junior college	2	29%	16	7%	33	7%	302	6%	7	64%	131	40%	114	22%	1,531	28%
	FOURYR05	4-year college other than this one	0	0%	12	5%	28	6%	310	6%	1	9%	76	23%	105	20%	1,197	22%
	NONE05	None	5	71%	197	85%	405	85%	4,320	86%	4	36%	146	45%	324	63%	3,090	56%
	OCOL1_05	Other	0	0%	6	3%	17	4%	123	2%	0	0%	16	5%	9	2%	203	4%
- Are you a current or former member of the U.S. Armed Forces, Reserves, or National Guard? (Item appeared only in the online instrument.)	VETERAN	No	7	100%	228	98%	471	98%	4,942	98%	11	100%	309	94%	489	98%	5,232	96%
		Yes	0	0%	5	2%	8	2%	91	2%	0	0%	18	6%	12	2%	207	4%
	Total	7	100%	233	100%	479	100%	5,033	100%	11	100%	327	100%	501	100%	5,439	100%	
- If yes: As part of your military experience, did you receive combat pay, hostile fire pay, or imminent danger pay? (Item appeared only in the online instrument.)	VETPAY	No	0	0%	3	60%	7	88%	68	75%	0	0%	9	50%	7	58%	130	63%
		Yes	0	0%	2	40%	1	13%	23	25%	0	0%	9	50%	5	42%	77	37%
	Total	0	0%	5	100%	8	100%	91	100%	0	0%	18	100%	12	100%	207	100%	
22. Thinking about this current academic term...How would you characterize your enrollment?	ENRLMENT	Less than full-time	0	0%	8	3%	7	1%	104	2%	1	9%	32	10%	45	9%	541	10%
		Full-time	7	100%	225	97%	477	99%	4,983	98%	10	91%	296	90%	475	91%	4,999	90%
	Total	7	100%	233	100%	484	100%	5,087	100%	11	100%	328	100%	520	100%	5,540	100%	
- Thinking about this current academic term...Are you taking all courses entirely online? (Item appeared only in the online instrument.)	DISTED	No	7	100%	232	100%	472	99%	5,011	99%	11	100%	321	98%	500	100%	5,356	98%
		Yes	0	0%	0	0%	6	1%	36	1%	0	0%	6	2%	1	0%	84	2%
	Total	7	100%	232	100%	478	100%	5,047	100%	11	100%	327	100%	501	100%	5,440	100%	



NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions
Frequency Distributions-PHYSICAL SCIENCES
Ferris State University

First-Year Students

Seniors

	Variable	Response Options	Ferris State		Selected Peers		Carnegie Class		NSSE 2010		Ferris State		Selected Peers		Carnegie Class		NSSE 2010	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
– Do you have any disabilities? (Select all that apply.) (Item appeared only in the online instrument and was preceded by the statement "Your institution will not receive your identified response to the following question. Only an overall summary of responses will be provided." Accordingly, this item does not appear in the NSSE10 data file or codebook.)	DISNONE	No, I do not have any disabilities	6	86%	193	84%	390	82%	4,277	86%	9	82%	274	84%	416	84%	4,567	85%
	DISSENSE	Yes, I have a sensory impairment (vision or hearing)	1	14%	9	4%	27	6%	164	3%	0	0%	7	2%	17	3%	147	3%
	DISMOBIL	Yes, I have a mobility impairment	0	0%	2	1%	1	0%	18	0%	0	0%	4	1%	1	0%	34	1%
	DISLEARN	Yes, I have a learning disability	0	0%	3	1%	10	2%	64	1%	1	9%	5	2%	5	1%	106	2%
	DISDEVLP	Yes, I have a developmental disorder (ADHD, Autism spectrum disorder, etc.)	0	0%	8	3%	12	3%	121	2%	0	0%	7	2%	15	3%	167	3%
	DISMENT	Yes, I have a mental health disorder	0	0%	8	3%	7	1%	71	1%	0	0%	8	2%	15	3%	133	2%
	DISMED	Yes, I have a medical disability not listed above	0	0%	4	2%	7	1%	57	1%	1	9%	7	2%	6	1%	81	2%
	DISOTHER	Yes, I have another disability	0	0%	0	0%	8	2%	27	1%	0	0%	5	2%	2	0%	26	0%
	DISREFUS	I choose not to answer	0	0%	11	5%	25	5%	260	5%	0	0%	17	5%	30	6%	265	5%
23. Are you member of a social fraternity or sorority?	FRATSORO	No	7	100%	223	96%	440	91%	4,627	91%	10	91%	304	93%	482	93%	4,960	90%
		Yes	0	0%	10	4%	41	9%	455	9%	1	9%	24	7%	39	7%	580	10%
	Total	7	100%	233	100%	481	100%	5,082	100%	11	100%	328	100%	521	100%	5,540	100%	
24. Are you a student-athlete on a team sponsored by your institution's athletics department?	ATHLETE	No	7	100%	213	92%	426	88%	4,492	89%	10	100%	312	95%	458	88%	5,054	91%
		Yes	0	0%	19	8%	56	12%	582	11%	0	0%	16	5%	62	12%	482	9%
	Total	7	100%	232	100%	482	100%	5,074	100%	10	100%	328	100%	520	100%	5,536	100%	



NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions
Frequency Distributions-PHYSICAL SCIENCES
Ferris State University

			First-Year Students								Seniors							
Question	Variable	Response Options	Ferris State		Selected Peers		Carnegie Class		NSSE 2010		Ferris State		Selected Peers		Carnegie Class		NSSE 2010	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
25. What have most of your grades been up to now at this institution?	GRADES04	C- or lower	0	0%	5	2%	12	2%	88	2%	0	0%	0	0%	0	0%	10	0%
		C	1	14%	9	4%	8	2%	122	2%	0	0%	5	2%	7	1%	129	2%
		C+	0	0%	19	8%	16	3%	207	4%	1	9%	7	2%	15	3%	229	4%
		B-	1	14%	13	6%	28	6%	334	7%	1	9%	18	5%	27	5%	357	6%
		B	0	0%	39	17%	76	16%	857	17%	3	27%	63	19%	86	17%	941	17%
		B+	3	43%	32	14%	89	18%	857	17%	3	27%	62	19%	112	21%	1,021	18%
		A-	1	14%	49	21%	107	22%	1,079	21%	1	9%	55	17%	113	22%	1,178	21%
		A	1	14%	67	29%	146	30%	1,533	30%	2	18%	118	36%	161	31%	1,673	30%
Total		7	100%	233	100%	482	100%	5,077	100%	11	100%	328	100%	521	100%	5,538	100%	
26. Which of the following best describes where you are living now while attending college?	LIVENOW	Dormitory or other campus housing	6	86%	154	66%	346	72%	3,728	73%	2	18%	39	12%	132	25%	1,300	24%
		Residence, walking distance	0	0%	15	6%	25	5%	326	6%	3	27%	91	28%	186	36%	1,702	31%
		Residence, driving distance	1	14%	59	25%	98	20%	895	18%	4	36%	186	57%	185	36%	2,277	41%
		Fraternity/sorority house	0	0%	1	0%	2	0%	39	1%	0	0%	3	1%	5	1%	112	2%
		None of the above	0	0%	4	2%	10	2%	87	2%	2	18%	8	2%	10	2%	140	3%
		Total		7	100%	233	100%	481	100%	5,075	100%	11	100%	327	100%	518	100%	5,531
27a. What is the highest level of education that your father completed?	FATHREDU	Did not finish HS	0	0%	12	5%	36	8%	328	6%	1	9%	20	6%	27	5%	356	6%
		Graduated from HS	4	57%	65	28%	114	24%	1,008	20%	6	55%	100	31%	100	19%	1,122	20%
		Attended, no degree	0	0%	35	15%	65	14%	697	14%	1	9%	48	15%	55	11%	662	12%
		Completed Associate's	0	0%	20	9%	39	8%	401	8%	1	9%	40	12%	41	8%	425	8%
		Completed Bachelor's	3	43%	65	28%	116	24%	1,411	28%	2	18%	78	24%	143	28%	1,506	27%
		Completed Master's	0	0%	27	12%	66	14%	784	16%	0	0%	26	8%	97	19%	847	15%
		Completed Doctorate	0	0%	9	4%	42	9%	420	8%	0	0%	15	5%	54	10%	587	11%
		Total		7	100%	233	100%	478	100%	5,049	100%	11	100%	327	100%	517	100%	5,505
27b. What is the highest level of education that your mother completed?	MOTHREDU	Did not finish HS	0	0%	9	4%	24	5%	240	5%	1	9%	19	6%	21	4%	291	5%
		Graduated from HS	4	57%	56	24%	101	21%	881	17%	5	45%	91	28%	102	20%	1,110	20%
		Attended, no degree	0	0%	35	15%	69	14%	745	15%	2	18%	63	19%	58	11%	763	14%
		Completed Associate's	1	14%	33	14%	56	12%	604	12%	1	9%	40	12%	63	12%	637	12%
		Completed Bachelor's	2	29%	62	27%	128	27%	1,624	32%	1	9%	75	23%	154	30%	1,632	30%
		Completed Master's	0	0%	34	15%	95	20%	798	16%	1	9%	30	9%	92	18%	865	16%
		Completed Doctorate	0	0%	4	2%	8	2%	177	3%	0	0%	8	2%	29	6%	227	4%
		Total		7	100%	233	100%	481	100%	5,069	100%	11	100%	326	100%	519	100%	5,525



NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions
Frequency Distributions-PHYSICAL SCIENCES
Ferris State University

			First-Year Students								Seniors							
Variable	Response Options	Ferris State		Selected Peers		Carnegie Class		NSSE 2010		Ferris State		Selected Peers		Carnegie Class		NSSE 2010		
		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
28. Primary major or expected primary major, in collapsed categories	MAJRPCOL	Arts and Humanities	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
		Biological Science	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%
		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%
		Physical Science	7	100%	233	100%	484	100%	5,091	100%	11	100%	328	100%	521	100%	5,549	100%
		Professional	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
		Social Science	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
		Other	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
		Undecided	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
		Total	7	100%	233	100%	484	100%	5,091	100%	11	100%	328	100%	521	100%	5,549	100%
29. Second major or expected second major (not minor, concentration, etc.) if applicable, in collapsed categories	MAJRSCOL	Arts and Humanities	0	0%	5	6%	22	12%	261	14%	0	0%	12	11%	30	15%	274	16%
		Biological Science	0	0%	7	9%	36	19%	233	13%	0	0%	13	12%	35	17%	271	15%
		Business	1	100%	5	6%	2	1%	74	4%	0	0%	1	1%	5	2%	71	4%
		Education	0	0%	16	20%	42	22%	261	14%	1	33%	18	17%	53	26%	284	16%
		Engineering	0	0%	7	9%	9	5%	112	6%	0	0%	2	2%	8	4%	49	3%
		Physical Science	0	0%	20	25%	34	18%	423	23%	1	33%	37	35%	35	17%	416	24%
		Professional	0	0%	9	11%	13	7%	111	6%	0	0%	0	0%	1	0%	32	2%
		Social Science	0	0%	6	8%	16	8%	186	10%	0	0%	12	11%	16	8%	205	12%
		Other	0	0%	5	6%	16	8%	169	9%	1	33%	11	10%	20	10%	152	9%
		Undecided	0	0%	0	0%	1	1%	10	1%	0	0%	0	0%	0	0%	5	0%
		Total	1	100%	80	100%	191	100%	1,840	100%	3	100%	106	100%	203	100%	1,759	100%
- Institution reported: Gender	GENDER	Male	4	57%	118	51%	221	46%	2,410	47%	7	64%	148	45%	253	49%	2,807	51%
		Female	3	43%	115	49%	263	54%	2,679	53%	4	36%	180	55%	268	51%	2,742	49%
		Total	7	100%	233	100%	484	100%	5,089	100%	11	100%	328	100%	521	100%	5,549	100%
- Institution reported: Race or ethnicity	ETHNICIT	African American/Black	0	0%	11	6%	25	5%	325	7%	1	9%	12	5%	15	3%	257	5%
		Am. Indian/Native Amer.	0	0%	0	0%	0	0%	37	1%	0	0%	1	0%	2	0%	45	1%
		Asian/Pacific Islander	0	0%	1	1%	33	7%	326	7%	0	0%	5	2%	13	3%	316	6%
		Caucasian/White	7	100%	146	84%	325	68%	3,107	67%	10	91%	186	79%	388	77%	3,554	72%
		Hispanic	0	0%	3	2%	26	5%	315	7%	0	0%	3	1%	28	6%	325	7%
		Other	0	0%	1	1%	7	1%	41	1%	0	0%	1	0%	0	0%	33	1%
		Foreign	0	0%	6	3%	13	3%	201	4%	0	0%	7	3%	13	3%	180	4%
		Multi-racial	0	0%	0	0%	4	1%	28	1%	0	0%	0	0%	4	1%	16	0%
		Unknown	0	0%	5	3%	42	9%	229	5%	0	0%	21	9%	42	8%	223	5%
				Total	7	100%	173	100%	475	100%	4,609	100%	11	100%	236	100%	505	100%
- Institution reported: Enrollment status	ENROLLMT	Part-time	0	0%	7	3%	9	2%	109	2%	2	18%	38	12%	37	7%	557	10%
		Full-time	7	100%	226	97%	475	98%	4,982	98%	9	82%	290	88%	484	93%	4,992	90%
		Total	7	100%	233	100%	484	100%	5,091	100%	11	100%	328	100%	521	100%	5,549	100%