

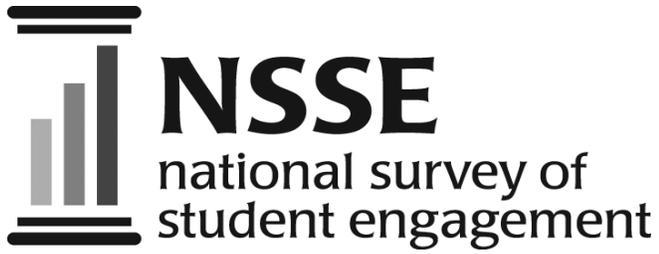
# NSSE McMaster University 2011

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# McMaster University

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## Benchmark Comparisons

August 2011

## Interpreting the Benchmark Comparisons Report

To focus discussions about the importance of student engagement and to guide institutional improvement efforts, NSSE created five Benchmarks of Effective Educational Practice: Level of Academic Challenge, Active and Collaborative Learning, Student-Faculty Interaction, Enriching Educational Experiences, and Supportive Campus Environment. This Benchmark Comparisons Report compares the performance of your institution with your selected comparison groups. In addition, it provides comparisons with two sets of highly engaging institutions, those with benchmarks in the top 50% and top 10% of all NSSE institutions.

Each benchmark is an index of responses to several NSSE questions. Because NSSE questions have different response sets, each question's response set was rescaled from zero to 100, and students' rescaled responses were then averaged. Thus a benchmark score of zero would mean that every student chose the lowest response option for every item, and 100 would mean every student chose the highest response to every item. Although benchmarks are reported on a 0-100 scale, they are not percentages.

Additional details regarding how benchmarks are created can be found on the NSSE Web site.  
[nsse.iub.edu/links/institutional\\_reporting](http://nsse.iub.edu/links/institutional_reporting)

### Class and Sample

Means are reported for first-year students and seniors. Institution-reported class levels are used. All randomly selected or census-administered students are included in these analyses. Students in targeted or locally administered oversamples are not included.

### Statistical Significance

Benchmarks with mean differences that are larger than would be expected by chance alone are noted with one, two, or three asterisks, denoting one of three significance levels ( $p < .05$ ,  $p < .01$ , and  $p < .001$ ). The smaller the significance level, the smaller the likelihood that the difference is due to chance. Please note that statistical significance does not guarantee that the result is substantive or important. Large sample sizes (as with the NSSE project) tend to produce more statistically significant results even though the magnitude of mean differences may be inconsequential. Consult effect sizes to judge the practical meaning of the results.

### Effect Size<sup>a</sup>

Effect size indicates the practical significance of the mean difference. It is calculated by dividing the mean difference by the pooled standard deviation. In practice, an effect size of .2 is often considered small, .5 moderate, and .8 large. A positive sign indicates that your institution's mean was greater, thus showing an affirmative result for the institution. A negative sign indicates the institution lags behind the comparison group, suggesting that the student behavior or institutional practice represented by the item may warrant attention.

### Mean

The mean is the *weighted* arithmetic average of the student level benchmark scores.

### Benchmark Description & Survey Items

A description of the benchmark and the individual items used in its creation is provided.

#### Level of Academic Challenge (LAC)

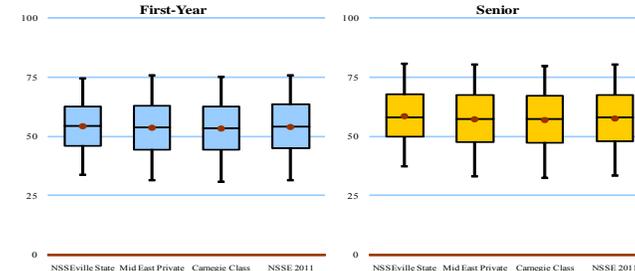
##### Mean Comparisons

NSSEville State University compared with:

Class	NSSEville State		Mid East Private		Carnegie Class		NSSE 2011	
	Mean <sup>a</sup>	Effect Size <sup>b</sup>						
First-Year	54.4	.05	53.3	*	53.3	*	54.1	.02
Senior	58.6	.09	57.3	**	56.9	***	57.5	*.07

<sup>a</sup> Weighted by grade and enrollment status (and by institution size for comparison groups)  
<sup>b</sup>  $p < .05$  \*  $p < .01$  \*\*  $p < .001$  (2-tailed)  
<sup>c</sup> Mean difference divided by the pooled standard deviation.

##### Distributions of Student Benchmark Scores



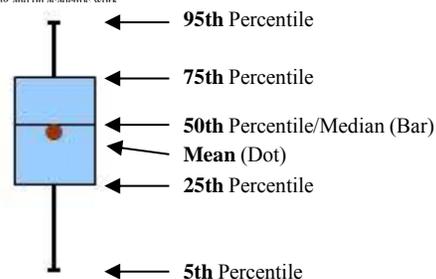
Note: Each box and whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot shows the benchmark mean. See page 2 for an illustration. See pages 10 and 11 for percentile values.

##### Level of Academic Challenge (LAC) Items

- Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote high levels of student achievement by emphasizing the importance of academic effort and setting high expectations for student performance.
- Hours spent preparing for class (studying, reading, writing, doing homework or lab work, etc. related to academic program)
- Number of assigned textbooks, books, or book-length packs of course readings
- Number of written papers or reports of 20 pages or more, between 5 and 19 pages, and fewer than 5 pages
- Coursework emphasizes: Analysis of the basic elements of an idea, experience or theory
- Coursework emphasizes: Synthesis and organizing of ideas, information, or experiences into new, more complex interpretations and relationships
- Coursework emphasizes: Making of judgments about the value of information, arguments, or methods
- Coursework emphasizes: Applying theories or concepts to practical problems or in new situations
- Working harder than you thought you could to meet an instructor's standards or expectations
- Common environment emphasizes: Spending significant amount of time studying and on academic work

### Box and Whiskers Key

A box and whiskers chart is a concise way to summarize the variation of student benchmark scores. This display compares the distribution of scores at your institution, in percentile terms, with that of your comparison groups. The ends of the whiskers show the 5th and 95th percentile scores, while the box is bounded by the 25th and 75th percentiles. The bar inside the box indicates the median score, and the dot shows the mean score.



<sup>a</sup> See *Contextualizing NSSE Effect Sizes* at [nsse.iub.edu/pdf/effect\\_size\\_guide.pdf](http://nsse.iub.edu/pdf/effect_size_guide.pdf) for additional information.

## Level of Academic Challenge (LAC)

### Mean Comparisons

McMaster University compared with:

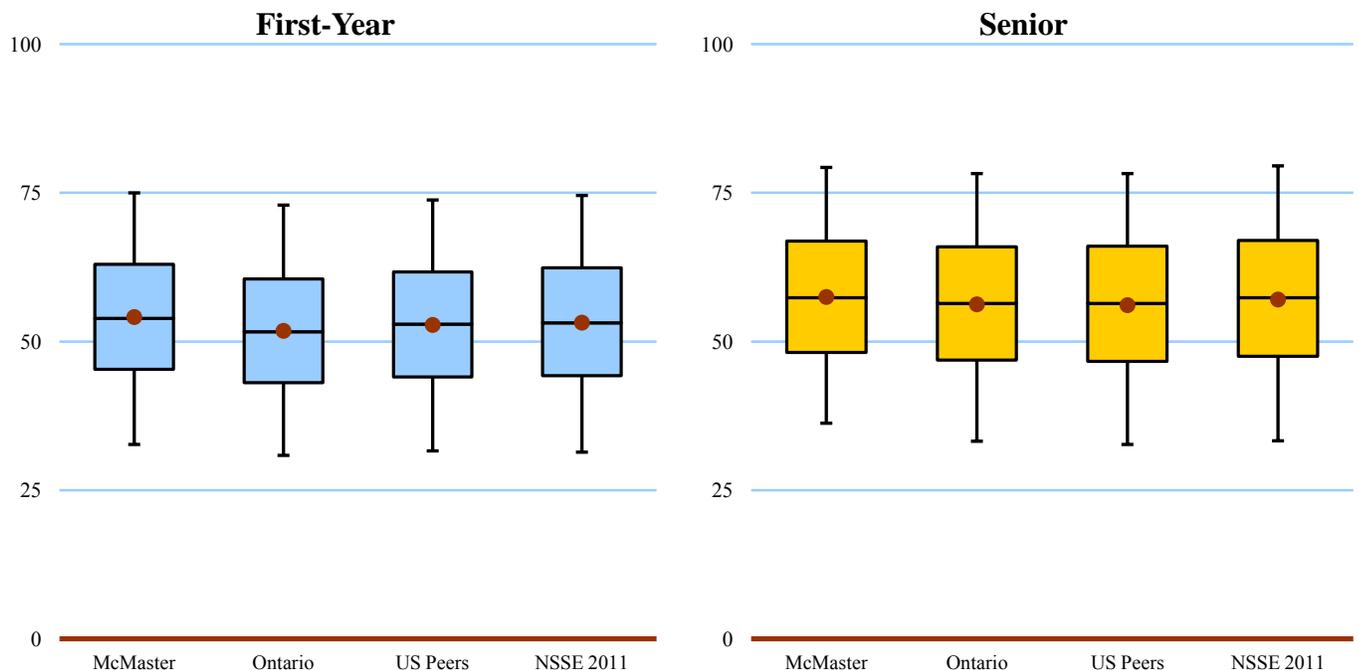
Class	McMaster	Ontario			US Peers			NSSE 2011		
	Mean <sup>a</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>
First-Year	54.1	51.8	***	.18	52.8	***	.10	53.2	**	.07
Senior	57.5	56.3	***	.09	56.1	***	.10	57.1		.03

<sup>a</sup> Weighted by gender and enrollment status (and by institution size for comparison groups).

<sup>b</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

<sup>c</sup> Mean difference divided by the pooled standard deviation.

### Distributions of Student Benchmark Scores



Note: Each box and whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot shows the benchmark mean. See page 2 for an illustration. See pages 10 and 11 for percentile values.

### Level of Academic Challenge (LAC) Items

Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote high levels of student achievement by emphasizing the importance of academic effort and setting high expectations for student performance.

- Hours spent preparing for class (studying, reading, writing, doing homework or lab work, etc. related to academic program)
- Number of assigned textbooks, books, or book-length packs of course readings
- Number of written papers or reports of 20 pages or more, between 5 and 19 pages, and fewer than 5 pages
- Coursework emphasizes: **Analysis** of the basic elements of an idea, experience or theory
- Coursework emphasizes: **Synthesis** and organizing of ideas, information, or experiences into new, more complex interpretations and relationships
- Coursework emphasizes: **Making of judgments** about the value of information, arguments, or methods
- Coursework emphasizes: **Applying** theories or concepts to practical problems or in new situations
- Working harder than you thought you could to meet an instructor's standards or expectations
- Campus environment emphasizes: Spending significant amount of time studying and on academic work

## Active and Collaborative Learning (ACL)

### Mean Comparisons

McMaster University compared with:

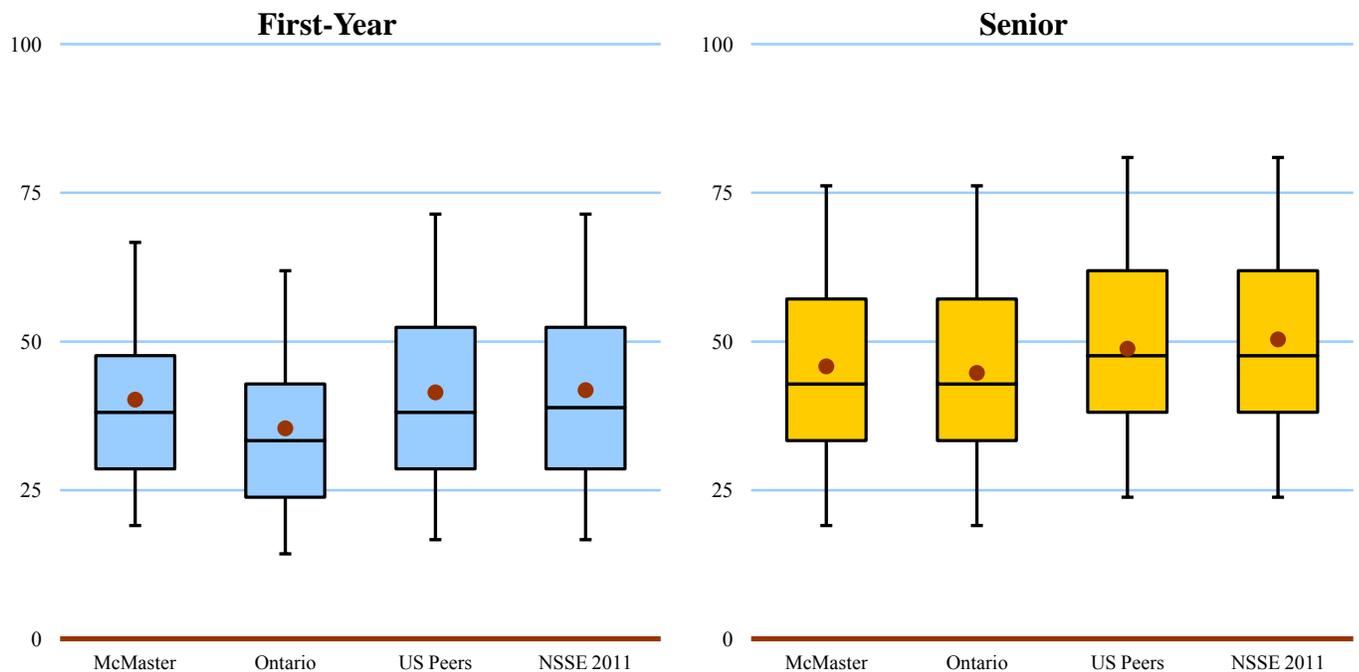
Class	McMaster	Ontario			US Peers			NSSE 2011		
	Mean <sup>a</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>
First-Year	40.2	35.4	***	.31	41.4	**	-.07	41.8	***	-.09
Senior	45.8	44.7	*	.06	48.8	***	-.17	50.4	***	-.26

<sup>a</sup> Weighted by gender and enrollment status (and by institution size for comparison groups).

<sup>b</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

<sup>c</sup> Mean difference divided by the pooled standard deviation.

### Distributions of Student Benchmark Scores



Note: Each box and whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot shows the benchmark mean. See page 2 for an illustration. See pages 10 and 11 for percentile values.

### Active and Collaborative Learning (ACL) Items

Students learn more when they are intensely involved in their education and asked to think about what they are learning in different settings. Collaborating with others in solving problems or mastering difficult material prepares students for the messy, unscripted problems they will encounter daily during and after college.

- Asked questions in class or contributed to class discussions
- Made a class presentation
- Worked with other students on projects **during class**
- Worked with classmates **outside of class** to prepare class assignments
- Tutored or taught other students (paid or voluntary)
- Participated in a community-based project (e.g., service learning) as part of a regular course
- Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)

## Student-Faculty Interaction (SFI)

### Mean Comparisons

McMaster University compared with:

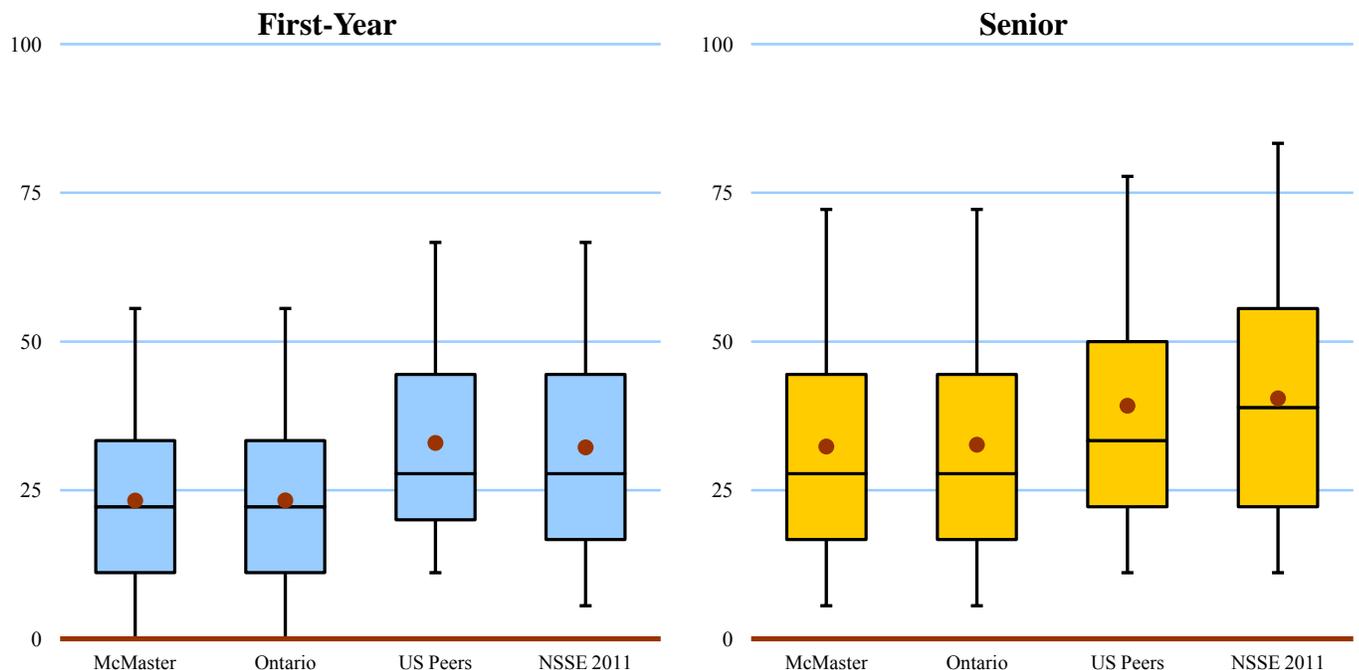
Class	McMaster	Ontario		Effect	US Peers		Effect	NSSE 2011		Effect
	Mean <sup>a</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Size <sup>c</sup>
First-Year	23.2	23.3		.00	32.9	***	-.54	32.2	***	-.48
Senior	32.3	32.6		-.02	39.2	***	-.34	40.4	***	-.38

<sup>a</sup> Weighted by gender and enrollment status (and by institution size for comparison groups).

<sup>b</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

<sup>c</sup> Mean difference divided by the pooled standard deviation.

### Distributions of Student Benchmark Scores



Note: Each box and whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot shows the benchmark mean. See page 2 for an illustration. See pages 10 and 11 for percentile values.

### Student-Faculty Interaction (SFI) Items

Students learn firsthand how experts think about and solve practical problems by interacting with faculty members inside and outside the classroom. As a result, their teachers become role models, mentors, and guides for continuous, life-long learning.

- Discussed grades or assignments with an instructor
- Talked about career plans with a faculty member or advisor
- Discussed ideas from your readings or classes with faculty members outside of class
- Worked with faculty members on activities other than coursework (committees, orientation, student-life activities, etc.)
- Received prompt written or oral feedback from faculty on your academic performance
- Worked on a research project with a faculty member outside of course or program requirements

## Enriching Educational Experiences (EEE)

### Mean Comparisons

McMaster University compared with:

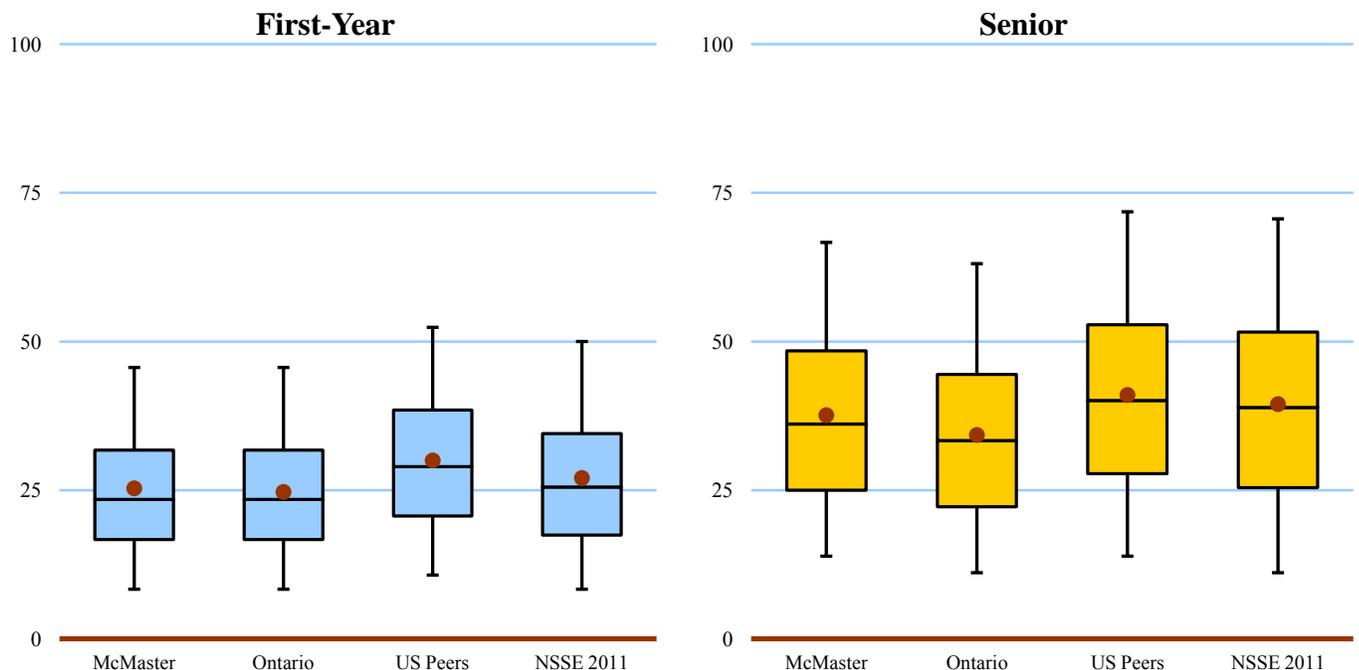
Class	McMaster	Ontario			US Peers			NSSE 2011		
	Mean <sup>a</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>
First-Year	25.3	24.7		.05	30.0	***	-.35	27.0	***	-.13
Senior	37.6	34.3	***	.21	41.0	***	-.19	39.5	***	-.10

<sup>a</sup> Weighted by gender and enrollment status (and by institution size for comparison groups).

<sup>b</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

<sup>c</sup> Mean difference divided by the pooled standard deviation.

### Distributions of Student Benchmark Scores



Note: Each box and whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot shows the benchmark mean. See page 2 for an illustration. See pages 10 and 11 for percentile values.

### Enriching Educational Experiences (EEE) Items

Complementary learning opportunities enhance academic programs. Diversity experiences teach students valuable things about themselves and others. Technology facilitates collaboration between peers and instructors. Internships, community service, and senior capstone courses provide opportunities to integrate and apply knowledge.

- Hours spent participating in co-curricular activities (organizations, campus publications, student gov., social fraternity or sorority, etc.)
- Practicum, internship, field experience, co-op experience, or clinical assignment
- Community service or volunteer work
- Foreign language coursework and study abroad
- Independent study or self-designed major
- Culminating senior experience (capstone course, senior project or thesis, comprehensive exam, etc.)
- Serious conversations with students of different religious beliefs, political opinions, or personal values
- Serious conversations with students of a different race or ethnicity than your own
- Using electronic medium (e.g., listserv, chat group, Internet, instant messaging, etc.) to discuss or complete an assignment
- Campus environment encouraging contact among students from different economic, social, and racial or ethnic backgrounds
- Participate in a learning community or some other formal program where groups of students take two or more classes together

## Supportive Campus Environment (SCE)

### Mean Comparisons

McMaster University compared with:

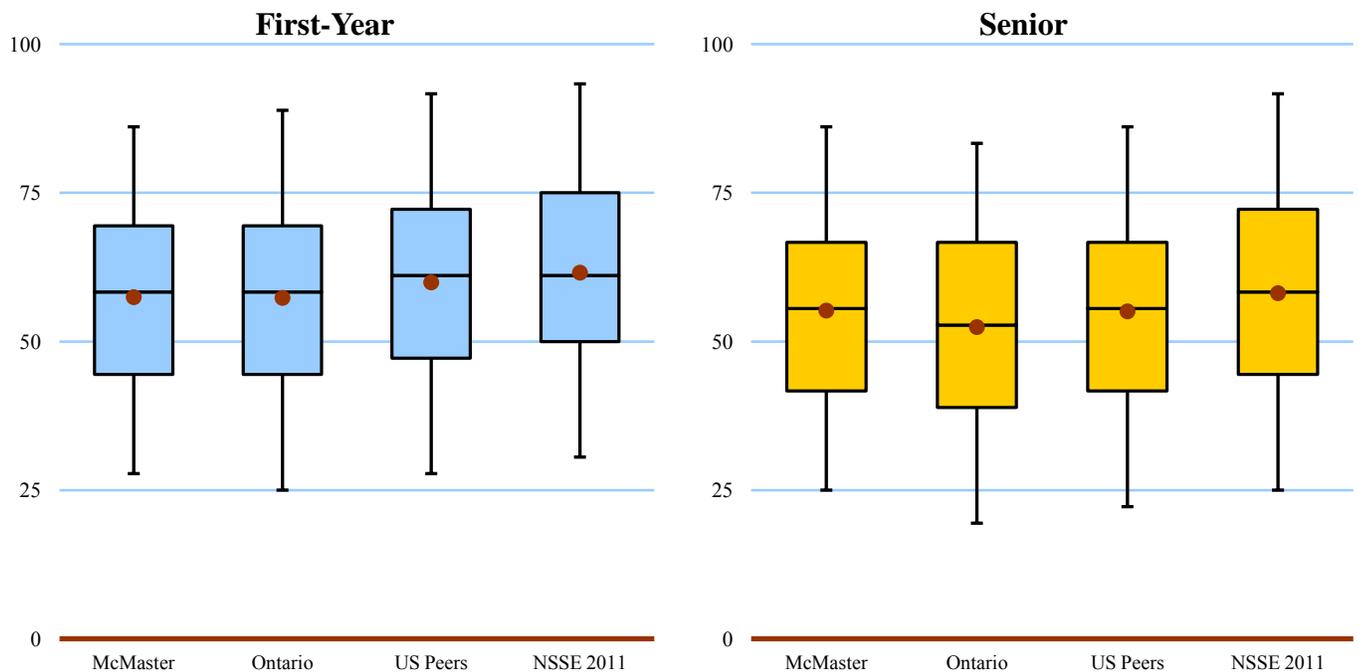
Class	McMaster	Ontario			US Peers			NSSE 2011		
	Mean <sup>a</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>
First-Year	57.5	57.3		.01	59.9	***	-.14	61.6	***	-.22
Senior	55.2	52.4	***	.15	55.1		.01	58.1	***	-.15

<sup>a</sup> Weighted by gender and enrollment status (and by institution size for comparison groups).

<sup>b</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

<sup>c</sup> Mean difference divided by the pooled standard deviation.

### Distributions of Student Benchmark Scores



Note: Each box and whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot shows the benchmark mean. See page 2 for an illustration. See pages 10 and 11 for percentile values.

### Supportive Campus Environment (SCE) Items

Students perform better and are more satisfied at colleges that are committed to their success and cultivate positive working and social relations among different groups on campus.

- Campus environment provides the support you need to help you succeed academically
- Campus environment helps you cope with your non-academic responsibilities (work, family, etc.)
- Campus environment provides the support you need to thrive socially
- Quality of relationships with other students
- Quality of relationships with faculty members
- Quality of relationships with administrative personnel and offices

### Interpreting the Top 10% and Top 50% Comparisons

This section of the NSSE Benchmark Comparisons report allows you to estimate the performance of your average student in relation to the average student attending two different institutional peer groups identified by NSSE for their high levels of student engagement: (a) institutions with benchmark scores placing them in the top 50% of all NSSE schools in 2011 and (b) institutions with benchmark scores in the top 10% for 2011.<sup>a</sup> These comparisons allow an institution to determine if the engagement of their students differs in significant, meaningful ways from students in these high performing peer groups.

### Example

*NSSEville State compared with*

	NSSEville State	NSSE 2011 Top 50%			NSSE 2011 Top 10%			
		<i>Mean</i>	<i>Mean</i>	<i>Sig</i>	<i>Effect size</i>	<i>Mean</i>	<i>Sig</i>	<i>Effect size</i>
<b>First-Year</b>	LAC	57.1	55.8	*	.10	60.5	***	-0.28
	ACL	50.3	45.8	***	.28	50.7		-0.02
	SFI	37.3	37.2		.01	42.0	***	-0.24
	EEE	21.8	30.0	***	-.63	34.4	***	-0.98
	SCE	60.9	64.7	***	-.21	69.7	***	-0.49

#### Based on the example above NSSEville State CAN conclude...

- ◆ The average score for NSSEville State first-year students is slightly above (i.e., small positive effect size) that of the average student attending NSSE 2011 schools that scored in the top 50% on Level of Academic Challenge (LAC).
- ◆ The average NSSEville State first-year student is as engaged (i.e., not significantly different) as the average student attending NSSE 2011 schools that scored in the top 10% on Active and Collaborative Learning (ACL).
- ◆ It is *likely* that NSSEville State is in the top 50% of all NSSE 2011 schools for first-year students on Level of Academic Challenge (LAC) and Active and Collaborative Learning (ACL).<sup>a</sup>

#### Based on the example above NSSEville State CANNOT conclude<sup>a</sup>...

- ◆ NSSEville State is in the top half of all schools on the Student-Faculty Interaction (SFI) benchmark for first-year students.
- ◆ NSSEville State is a "top ten percent" institution on Active and Collaborative Learning (ACL) for first-year students.

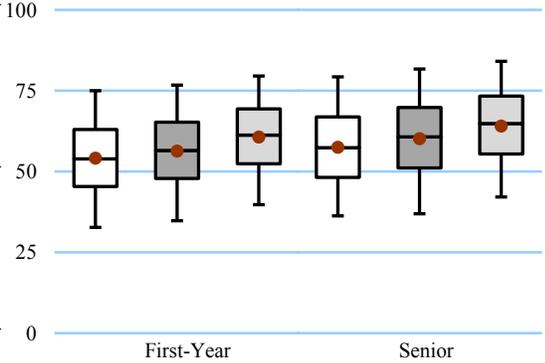
Additional information regarding the Top 50% and Top 10% section of the benchmark report can be found on the NSSE Web site. [nsse.iub.edu/links/institutional\\_reporting](http://nsse.iub.edu/links/institutional_reporting)

<sup>a</sup> Precision-weighted means (produced by Hierarchical Linear Modeling) were used to determine the top 50% and top 10% institutions for each benchmark, separately for first-year and senior students. Using this method, benchmark scores of institutions with relatively large standard errors are adjusted substantially toward the grand mean of all students, while those with smaller standard errors receive smaller corrections. Thus, schools with less stable data, though they may have high scores, may not be identified among the top scorers. NSSE does not publish the names of the top 50% and top 10% institutions because of our commitment not to release individual school results and our policy against the ranking of institutions.

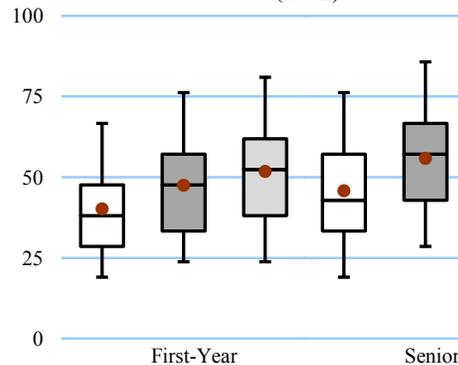
*McMaster compared with*

	McMaster <i>Mean</i> <sup>a</sup>	NSSE 2011 Top 50%			NSSE 2011 Top 10%		
		<i>Mean</i> <sup>a</sup>	<i>Sig</i> <sup>b</sup>	<i>Effect size</i> <sup>c</sup>	<i>Mean</i> <sup>a</sup>	<i>Sig</i> <sup>b</sup>	<i>Effect size</i> <sup>c</sup>
<b>First-Year</b>	LAC	54.1	56.3 ***	-.17	60.7 ***	-.53	
	ACL	40.2	47.5 ***	-.44	51.8 ***	-.66	
	SFI	23.2	38.8 ***	-.81	43.4 ***	-.97	
	EEE	25.3	30.3 ***	-.38	33.5 ***	-.60	
	SCE	57.5	66.9 ***	-.51	70.7 ***	-.74	
<b>Senior</b>	LAC	57.5	60.1 ***	-.19	64.1 ***	-.50	
	ACL	45.8	55.8 ***	-.58	60.0 ***	-.80	
	SFI	32.3	48.7 ***	-.75	55.8 ***	-1.06	
	EEE	37.6	46.1 ***	-.47	54.8 ***	-1.01	
	SCE	55.2	64.7 ***	-.50	68.7 ***	-.73	

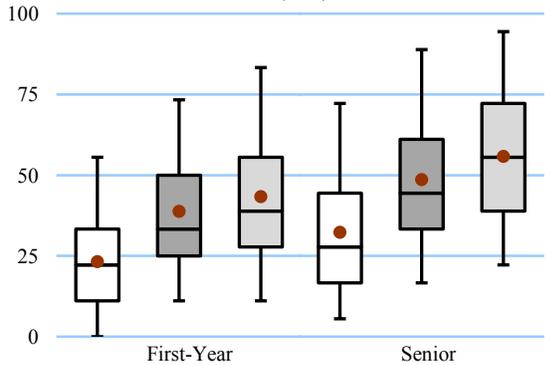
**Level of Academic Challenge (LAC)**



**Active and Collaborative Learning (ACL)**



**Student-Faculty Interaction (SFI)**

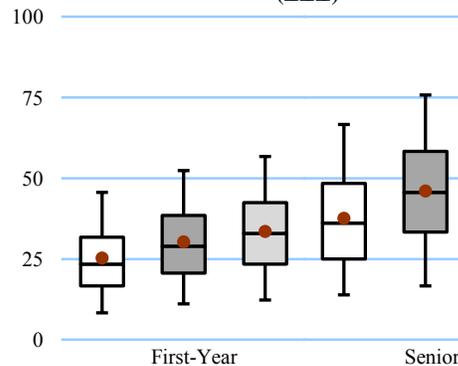


**Legend**

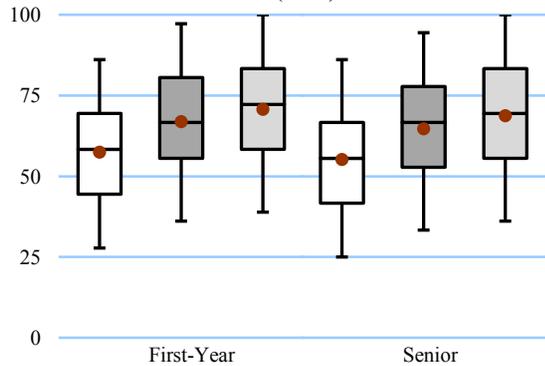
- McMaster
- Top 50%
- Top 10%

This display compares your students with those attending schools that scored in the top 50% and top 10% of all NSSE 2011 institutions on a particular benchmark.

**Enriching Educational Experiences (EEE)**



**Supportive Campus Environment (SCE)**



Note: Each box and whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot shows the benchmark mean. See page 2 for an illustration. See pages 10 and 11 for percentile values.

<sup>a</sup> Weighted by gender and enroll. status (and by inst. size for comp. groups).

<sup>b</sup> \* p<.05 \*\* p<.01 \*\*\*p<.001 (2-tailed).

<sup>c</sup> Mean diff. divided by the pooled standard dev.

**First-Year Students**

		Mean Statistics			Distribution Statistics					Reference Group Comparison Statistics			
		Mean	SD <sup>b</sup>	SEM <sup>c</sup>	Percentiles <sup>d</sup>					Deg. of Freedom <sup>e</sup>	Mean Diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
					5th	25th	50th	75th	95th				
<b>LEVEL OF ACADEMIC CHALLENGE (LAC)</b>													
McMaster	(N = 1678)	54.1	12.9	.3	33	45	54	63	75				
Ontario		51.8	12.8	.1	31	43	52	60	73	26,664	2.3	.000	.18
US Peers		52.8	13.0	.1	32	44	53	62	74	13,720	1.3	.000	.10
NSSE 2011		53.2	13.3	.0	31	44	53	62	75	272,984	.9	.004	.07
Top 50%		56.3	12.9	.0	35	48	56	65	77	95,093	-2.2	.000	-.17
Top 10%		60.7	12.3	.1	40	52	61	69	80	2,108	-6.5	.000	-.53
<b>ACTIVE AND COLLABORATIVE LEARNING (ACL)</b>													
McMaster	(N = 1775)	40.2	15.8	.4	19	29	38	48	67				
Ontario		35.4	15.6	.1	14	24	33	43	62	28,703	4.8	.000	.31
US Peers		41.4	16.6	.1	17	29	38	52	71	2,333	-1.2	.002	-.07
NSSE 2011		41.8	16.9	.0	17	29	39	52	71	1,798	-1.6	.000	-.09
Top 50%		47.5	16.7	.1	24	33	48	57	76	1,863	-7.3	.000	-.44
Top 10%		51.8	17.8	.2	24	38	52	62	81	2,386	-11.6	.000	-.66
<b>STUDENT-FACULTY INTERACTION (SFI)</b>													
McMaster	(N = 1686)	23.2	16.6	.4	0	11	22	33	56				
Ontario		23.3	16.6	.1	0	11	22	33	56	26,907	.0	.936	.00
US Peers		32.9	18.2	.2	11	20	28	44	67	2,280	-9.7	.000	-.54
NSSE 2011		32.2	18.7	.0	6	17	28	44	67	1,711	-8.9	.000	-.48
Top 50%		38.8	19.2	.1	11	25	33	50	73	1,796	-15.6	.000	-.81
Top 10%		43.4	21.2	.2	11	28	39	56	83	2,573	-20.1	.000	-.97
<b>ENRICHING EDUCATIONAL EXPERIENCES (EEE)</b>													
McMaster	(N = 1652)	25.3	11.9	.3	8	17	23	32	46				
Ontario		24.7	12.3	.1	8	17	23	32	46	26,069	.6	.051	.05
US Peers		30.0	13.5	.1	11	21	29	38	52	2,291	-4.7	.000	-.35
NSSE 2011		27.0	13.4	.0	8	17	26	35	50	1,677	-1.7	.000	-.13
Top 50%		30.3	13.3	.0	11	21	29	38	52	1,714	-5.0	.000	-.38
Top 10%		33.5	13.9	.1	12	23	33	42	57	2,094	-8.2	.000	-.60
<b>SUPPORTIVE CAMPUS ENVIRONMENT (SCE)</b>													
McMaster	(N = 1631)	57.5	17.9	.4	28	44	58	69	86				
Ontario		57.3	18.6	.1	25	44	58	69	89	1,879	.1	.800	.01
US Peers		59.9	18.4	.2	28	47	61	72	92	13,145	-2.5	.000	-.14
NSSE 2011		61.6	18.9	.0	31	50	61	75	93	1,654	-4.1	.000	-.22
Top 50%		66.9	18.4	.1	36	56	67	81	97	78,822	-9.4	.000	-.51
Top 10%		70.7	17.9	.2	39	58	72	83	100	15,684	-13.3	.000	-.74

<sup>a</sup> All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.

<sup>b</sup> Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.

<sup>c</sup> Standard Error of the Mean: Use SEM 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.

<sup>d</sup> A percentile is the point in the distribution of student-level benchmark scores at or below which a given percentage of benchmark scores fall.

<sup>e</sup> Degrees of freedom used to compute the t-tests. Values vary for the total Ns due to weighting and whether equal variances were assumed.

<sup>f</sup> Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

<sup>g</sup> Effect size is calculated by subtracting the comparison group mean from the school mean, and dividing the result by the pooled standard deviation.

**Seniors**

		Mean Statistics			Distribution Statistics					Reference Group Comparison Statistics			
		Mean	SD <sup>b</sup>	SEM <sup>c</sup>	Percentiles <sup>d</sup>					Deg. of Freedom <sup>e</sup>	Mean Diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
					5th	25th	50th	75th	95th				
<b>LEVEL OF ACADEMIC CHALLENGE (LAC)</b>													
McMaster	(N = 1564)	57.5	13.2	.3	36	48	57	67	79				
Ontario		56.3	13.8	.1	33	47	56	66	78	29,244	1.2	.001	.09
US Peers		56.1	14.1	.1	33	47	56	66	78	1,900	1.4	.000	.10
NSSE 2011		57.1	14.1	.0	33	48	57	67	80	1,578	.4	.196	.03
Top 50%		60.1	13.7	.0	37	51	61	70	82	112,699	-2.7	.000	-.19
Top 10%		64.1	13.0	.1	42	55	65	73	84	18,122	-6.6	.000	-.50
<b>ACTIVE AND COLLABORATIVE LEARNING (ACL)</b>													
McMaster	(N = 1606)	45.8	16.7	.4	19	33	43	57	76				
Ontario		44.7	17.1	.1	19	33	43	57	76	30,649	1.1	.012	.06
US Peers		48.8	17.4	.1	24	38	48	62	81	1,925	-3.0	.000	-.17
NSSE 2011		50.4	17.7	.0	24	38	48	62	81	1,620	-4.5	.000	-.26
Top 50%		55.8	17.2	.1	29	43	57	67	86	1,658	-10.0	.000	-.58
Top 10%		60.0	17.8	.1	33	48	61	71	90	1,960	-14.2	.000	-.80
<b>STUDENT-FACULTY INTERACTION (SFI)</b>													
McMaster	(N = 1567)	32.3	19.7	.5	6	17	28	44	72				
Ontario		32.6	19.6	.1	6	17	28	44	72	29,488	-.3	.551	-.02
US Peers		39.2	20.5	.2	11	22	33	50	78	1,883	-6.9	.000	-.34
NSSE 2011		40.4	21.2	.0	11	22	39	56	83	1,581	-8.1	.000	-.38
Top 50%		48.7	21.7	.1	17	33	44	61	89	1,641	-16.3	.000	-.75
Top 10%		55.8	22.5	.2	22	39	56	72	94	2,174	-23.5	.000	-1.06
<b>ENRICHING EDUCATIONAL EXPERIENCES (EEE)</b>													
McMaster	(N = 1552)	37.6	16.3	.4	14	25	36	48	67				
Ontario		34.3	16.1	.1	11	22	33	44	63	28,824	3.3	.000	.21
US Peers		41.0	17.9	.1	14	28	40	53	72	1,910	-3.4	.000	-.19
NSSE 2011		39.5	18.0	.0	11	25	39	52	71	1,567	-1.9	.000	-.10
Top 50%		46.1	17.8	.0	17	33	46	58	76	1,595	-8.5	.000	-.47
Top 10%		54.8	17.0	.1	25	44	56	67	82	18,211	-17.2	.000	-1.01
<b>SUPPORTIVE CAMPUS ENVIRONMENT (SCE)</b>													
McMaster	(N = 1540)	55.2	18.0	.5	25	42	56	67	86				
Ontario		52.4	19.2	.1	19	39	53	67	83	1,747	2.8	.000	.15
US Peers		55.1	19.1	.1	22	42	56	67	86	1,875	.1	.775	.01
NSSE 2011		58.1	19.5	.0	25	44	58	72	92	1,555	-2.9	.000	-.15
Top 50%		64.7	18.9	.1	33	53	67	78	94	1,596	-9.5	.000	-.50
Top 10%		68.7	18.5	.1	36	56	69	83	100	1,881	-13.5	.000	-.73

<sup>a</sup> All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.

<sup>b</sup> Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.

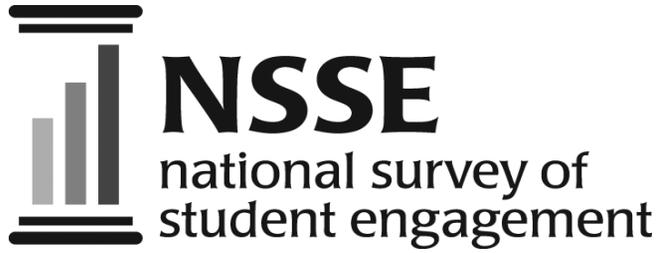
<sup>c</sup> Standard Error of the Mean: Use SEM to compute a confidence interval (CI) around the sample mean. For example, the 95% CI is the range of values that is 95% likely to contain the true population mean, equal to the sample mean +/- 1.96 \* SEM.

<sup>d</sup> A percentile is the point in the distribution of student-level benchmark scores at or below which a given percentage of benchmark scores fall.

<sup>e</sup> Degrees of freedom used to compute the t-tests. Values vary for the total Ns due to weighting and whether equal variances were assumed.

<sup>f</sup> Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

<sup>g</sup> Effect size is calculated by subtracting the comparison group mean from the school mean, and dividing the result by the pooled standard deviation.



McMaster University

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Mean Comparisons

August 2011

# Interpreting the Mean Comparisons Report

## Sample

The *Mean Comparisons* report is based on information from all randomly selected or census-administered students for both your institution and your comparison institutions. Targeted and locally administered oversamples and other non-randomly selected students are not

## Variables

The items from the NSSE survey appear in the left column in the same order and wording as they appear on the instrument. The name of each variable appears in the second column for easy reference to your data file and the summary statistics at the end of this section. Response options are also provided to help you interpret the statistics.

## Benchmark

Items that make up 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

## Mean

The mean is the *weighted* arithmetic average of student responses on a particular item. Means are provided for your institution and all comparison

groups. Additional details

regarding weighting can be found on the NSSE Web site.

[nsse.iub.edu/links/institutional\\_reporting](http://nsse.iub.edu/links/institutional_reporting)

## Class

Results are reported separately for first-year students (FY) and seniors (SR). Institution-reported class ranks are used.

## Statistical Significance

Items with mean differences that are larger than would be expected by chance alone are noted with one, two, or three asterisks, referring to three significance levels ( $p < .05$ ,  $p < .01$ , and  $p < .001$ ). The smaller the significance level, the smaller the likelihood that the difference is due to chance. *Statistical significance does not guarantee the result is substantive or important.* Large sample sizes (like those produced by NSSE) tend to generate more statistically significant results even though the magnitude of mean differences may be inconsequential. Consult effect sizes (see below) to judge the practical meaning of the results.

## Effect Size

Effect size indicates the “practical significance” of the mean difference. It is calculated by dividing the mean difference by the pooled standard deviation. In practice, an effect size of .2 is often considered small, .5 moderate, and .8 large. A positive sign indicates that your institution's mean was greater, thus showing an affirmative result for your institution. A negative sign indicates the institution lags behind the comparison group, suggesting that the student behavior or

**NSSE 2011 Mean Comparisons**  
**NSSEville State University**

*NSSEville State compared with:*

Variable	Benchmark	Class	NSSEville State			Mid East Private			Carnegie Class			NSSE 2011		
			Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>
<i>In your experience at your institution during the current school year, about how often have you done each of the following? 1=Never, 2=Sometimes, 3=Often, 4=Very often</i>														
<b>1. Academic and Intellectual Experiences</b>														
a. Asked questions in class or contributed to class discussions	CLQUEST	ACL	FY	2.94		.04	2.90		.04	2.85 **	.10	2.85 **	.10	
			SR	3.28		.12	3.19 ***		.12	3.15 ***	.15	3.12 ***	.19	
b. Made a class presentation	CLPRESEN	ACL	FY	2.28		-.18	2.43 ***		-.18	2.32	-.05	2.29	-.01	
			SR	2.89		-.03	2.91		-.03	2.86	.03	2.79 ***	.11	
c. Prepared two or more drafts of a paper or assignment before turning it in	REWROPAP		FY	2.46		-.26	2.71 ***		-.26	2.77 ***	-.31	2.70 ***	-.24	
			SR	2.40		-.08	2.48 *		-.08	2.57 ***	-.17	2.51 ***	-.11	
d. Worked on a paper or project that required integrating ideas or information from various sources	INTEGRAT		FY	3.06		-.07	3.11		-.07	3.12 **	-.08	3.11 *	-.07	
			SR	3.46		.14	3.35 ***		.14	3.36 ***	.13	3.35 ***	.14	
e. Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments	DIVCLASS		FY	2.67		-.17	2.82 ***		-.17	2.82 ***	-.17	2.80 ***	-.14	
			SR	2.89		.01	2.88		.01	2.89	.00	2.85	.04	

institutional practice represented by the item may warrant attention. An exception to this interpretation is the “coming to class unprepared” item (item 1f.) where a negative sign is preferred (i.e., meaning fewer students reporting coming to class unprepared).

## NSSE 2011 Mean Comparisons McMaster University

*McMaster compared with:*

Variable	Bench- mark	Class	McMaster		Ontario		US Peers		NSSE 2011			
			Mean <sup>a</sup>		Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>
<i>In your experience at your institution during the current school year, about how often have you done each of the following? 1=Never, 2=Sometimes, 3=Often, 4=Very often</i>												
1. <b>Academic and Intellectual Experiences</b>												
a. Asked questions in class or contributed to class discussions	CLQUEST	ACL	FY	2.27		2.28		-0.01	2.63 ***	-0.42	2.72 ***	-0.51
			SR	2.62		2.72 ***		-0.11	2.94 ***	-0.36	3.04 ***	-0.48
b. Made a class presentation	CLPRESEN	ACL	FY	2.04		1.75 ***		.37	2.14 ***	-0.12	2.17 ***	-0.15
			SR	2.66		2.56 ***		.11	2.63	.04	2.74 ***	-0.09
c. Prepared two or more drafts of a paper or assignment before turning it in	REWROPAP		FY	2.24		2.33 ***		-0.09	2.54 ***	-0.30	2.61 ***	-0.37
			SR	2.27		2.33 *		-0.05	2.39 ***	-0.12	2.46 ***	-0.19
d. Worked on a paper or project that required integrating ideas or information from various sources	INTEGRAT		FY	3.06		2.97 ***		.09	2.99 **	.08	3.07	-0.02
			SR	3.44		3.41		.04	3.25 ***	.24	3.34 ***	.12
e. Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments	DIVCLASS		FY	2.51		2.48		.03	2.71 ***	-0.22	2.71 ***	-0.22
			SR	2.55		2.68 ***		-0.13	2.75 ***	-0.21	2.80 ***	-0.26
f. Come to class without completing readings or assignments	CLUNPREP		FY	2.32		2.23 ***		.10	2.10 ***	.28	2.01 ***	.39
			SR	2.38		2.31 **		.07	2.19 ***	.22	2.11 ***	.33
g. Worked with other students on projects <b>during class</b>	CLASSGRP	ACL	FY	2.12		2.05 **		.08	2.40 ***	-0.32	2.38 ***	-0.29
			SR	2.11		2.15		-0.04	2.48 ***	-0.41	2.51 ***	-0.43
h. Worked with classmates <b>outside of class</b> to prepare class assignments	OCCGRP	ACL	FY	2.89		2.52 ***		.38	2.45 ***	.49	2.47 ***	.46
			SR	3.02		2.81 ***		.21	2.78 ***	.26	2.80 ***	.23
i. Put together ideas or concepts from different courses when completing assignments or during class discussions	INTIDEAS		FY	2.72		2.64 ***		.09	2.64 ***	.10	2.65 ***	.09
			SR	2.93		2.94		-0.01	2.93	.00	2.97	-0.04
j. Tutored or taught other students (paid or voluntary)	TUTOR	ACL	FY	1.79		1.67 ***		.14	1.74 *	.06	1.69 ***	.12
			SR	1.89		1.76 ***		.13	1.85	.04	1.85	.03
k. Participated in a community-based project (e.g. service learning) as part of a regular course	COMMPROJ	ACL	FY	1.40		1.32 ***		.11	1.57 ***	-0.21	1.53 ***	-0.16
			SR	1.45		1.47		-0.02	1.66 ***	-0.23	1.68 ***	-0.26

<sup>a</sup> Weighted by gender and enrollment status (and size for comparisons).

<sup>b</sup> \* p<.05 \*\* p<.01 \*\*\* p<.001 (2-tailed).

<sup>c</sup> Mean difference divided by pooled SD

**NSSE 2011 Mean Comparisons  
McMaster University**

*McMaster compared with:*

	Variable	Bench- mark	Class	McMaster		Ontario		US Peers		NSSE 2011				
				Mean <sup>a</sup>		Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>
l.	Used an electronic medium (listserv, chat group, Internet, instant messaging, etc.) to discuss or complete an assignment	ITACADEM	EEE	FY	3.02	2.72	***	.30	2.74	***	.28	2.68	***	.33
				SR	2.99	2.85	***	.15	2.92	**	.08	2.89	***	.10
m.	Used e-mail to communicate with an instructor	EMAIL		FY	2.77	2.83	**	-.07	3.22	***	-.56	3.14	***	-.45
				SR	3.28	3.29		-.01	3.43	***	-.20	3.42	***	-.20
n.	Discussed grades or assignments with an instructor	FACGRADE	SFI	FY	2.04	2.12	***	-.08	2.54	***	-.57	2.53	***	-.54
				SR	2.39	2.45	**	-.07	2.71	***	-.36	2.75	***	-.41
o.	Talked about career plans with a faculty member or advisor	FACPLANS	SFI	FY	1.66	1.60	**	.08	2.18	***	-.58	2.08	***	-.45
				SR	1.98	1.96		.03	2.28	***	-.32	2.33	***	-.36
p.	Discussed ideas from your readings or classes with faculty members outside of class	FACIDEAS	SFI	FY	1.73	1.69		.05	1.80	**	-.08	1.83	***	-.10
				SR	1.86	1.89		-.04	1.97	***	-.13	2.05	***	-.20
q.	Received prompt written or oral feedback from faculty on your academic performance	FACFEED	SFI	FY	2.20	2.26	**	-.07	2.60	***	-.47	2.59	***	-.44
				SR	2.42	2.48	**	-.07	2.67	***	-.31	2.75	***	-.39
r.	Worked harder than you thought you could to meet an instructor's standards or expectations	WORKHARD	LAC	FY	2.47	2.51	*	-.05	2.64	***	-.20	2.69	***	-.26
				SR	2.60	2.63		-.04	2.67	**	-.07	2.75	***	-.18
s.	Worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.)	FACOTHER	SFI	FY	1.43	1.41		.03	1.60	***	-.20	1.59	***	-.18
				SR	1.60	1.62		-.01	1.75	***	-.16	1.80	***	-.21
t.	Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)	OOCIDEAS	ACL	FY	2.88	2.82	**	.07	2.72	***	.19	2.77	***	.12
				SR	2.84	2.88		-.04	2.86		-.02	2.90	*	-.06
u.	Had serious conversations with students of a different race or ethnicity than your own	DIVRSTUD	EEE	FY	2.74	2.69		.05	2.64	***	.10	2.61	***	.13
				SR	2.87	2.80	**	.07	2.70	***	.18	2.70	***	.17
v.	Had serious conversations with students who are very different from you in terms of their religious beliefs, political opinions, or personal values	DIFFSTU2	EEE	FY	2.68	2.65		.03	2.70		-.03	2.64		.04
				SR	2.80	2.73	**	.07	2.74	*	.06	2.71	***	.10

<sup>a</sup> Weighted by gender and enrollment status (and size for comparisons).

<sup>b</sup> \* p<.05 \*\* p<.01 \*\*\* p<.001 (2-tailed).

<sup>c</sup> Mean difference divided by pooled SD

**NSSE 2011 Mean Comparisons  
McMaster University**

*McMaster compared with:*

Variable	Bench- mark	Class	McMaster			Ontario			US Peers		NSSE 2011	
			Mean <sup>a</sup>			Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>
<i>During the current school year, how much has your coursework emphasized the following mental activities? 1=Very little, 2=Some, 3=Quite a bit, 4=Very much</i>												
<b>2. Mental Activities</b>												
a.	MEMORIZE	FY	2.83	2.92 ***	-.10	3.02 ***	-.22	2.95 ***	-.13			
			SR									
b.	ANALYZE	LAC	3.22	3.14 ***	.10	3.17 *	.07	3.16 ***	.08			
			SR									
c.	SYNTHESZ	LAC	2.94	2.84 ***	.12	2.93	.01	2.93	.01			
			SR									
d.	EVALUATE	LAC	2.85	2.80 *	.06	2.89	-.05	2.90 *	-.06			
			SR									
e.	APPLYING	LAC	3.18	3.07 ***	.13	3.09 ***	.11	3.08 ***	.13			
			SR									
<i>During the current school year, about how much reading and writing have you done? 1=None, 2=1-4, 3=5-10, 4=11-20, 5=More than 20</i>												
<b>3. Reading and Writing</b>												
a.	READASGN	LAC	3.30	3.23 ***	.09	3.16 ***	.16	3.18 ***	.14			
			SR									
b.	READOWN	FY	1.99	2.04	-.04	2.00	.00	2.04 *	-.05			
			SR									
c.	WRITEMOR	LAC	1.50	1.40 ***	.12	1.22 ***	.42	1.30 ***	.28			
			SR									
d.	WRITEMID	LAC	2.29	2.29	.00	2.14 ***	.18	2.21 ***	.09			
			SR									
e.	WRITESML	LAC	2.54	2.50	.04	2.87 ***	-.32	2.88 ***	-.33			
			SR									

<sup>a</sup> Weighted by gender and enrollment status (and size for comparisons).

<sup>b</sup> \* p<.05 \*\* p<.01 \*\*\* p<.001 (2-tailed).

<sup>c</sup> Mean difference divided by pooled SD

**NSSE 2011 Mean Comparisons  
McMaster University**

*McMaster compared with:*

Variable	Bench- mark	Class	McMaster		Ontario		US Peers		NSSE 2011		
			Mean <sup>a</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	
<i>In a typical week, how many homework problem sets do you complete? 1=None, 2=1-2, 3=3-4, 4=5-6, 5=More than 6</i>											
<b>4. Problem Sets</b>											
a. Number of problem sets or problem-based homework assignments that take you more than an hour to complete	PROBSETA	FY	3.19	.25	2.87 ***		2.81 ***	.33	2.80 ***	.34	
			2.76	.07	2.67 **		2.67 **	.07	2.71	.04	
b. Number of problem sets or problem-based homework assignments that take you less than an hour to complete	PROBSETB	FY	2.43	.08	2.33 **		2.76 ***	-.26	2.68 ***	-.21	
			2.01	.03	1.98		2.34 ***	-.27	2.34 ***	-.26	
<b>5. Examinations</b>											
<i>1=Very little to 7=Very much</i>											
Select the circle that best represents the extent to which your examinations during the current school year have challenged you to do your best work.	EXAMS	FY	5.48	.05	5.42		5.53	-.05	5.46	.02	
			5.22	.01	5.20		5.41 ***	-.15	5.44 ***	-.17	
<b>6. Additional Collegiate Experiences</b>											
<i>During the current school year, about how often have you done each of the following? 1=Never, 2=Sometimes, 3=Often, 4=Very often</i>											
a. Attended an art exhibit, play, dance, music, theater or other performance	ATDART07	FY	1.70	-.14	1.82 ***		2.11 ***	-.46	2.07 ***	-.40	
			1.86	-.06	1.91 *		2.01 ***	-.17	1.99 ***	-.14	
b. Exercised or participated in physical fitness activities	EXRCSE05	FY	2.60	.05	2.55		2.93 ***	-.34	2.78 ***	-.17	
			2.74	.09	2.64 ***		2.81 *	-.06	2.72	.02	
c. Participated in activities to enhance your spirituality (worship, meditation, prayer, etc.)	WORSHP05	FY	1.73	.06	1.66 *		2.05 ***	-.30	1.96 ***	-.22	
			1.74	.05	1.69		2.11 ***	-.33	2.03 ***	-.26	
d. Examined the strengths and weaknesses of your own views on a topic or issue	OWNVIEW	FY	2.42	.00	2.42		2.58 ***	-.18	2.58 ***	-.17	
			2.52	-.04	2.55		2.72 ***	-.22	2.70 ***	-.20	
e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	OTHRVIEW	FY	2.66	.00	2.66		2.78 ***	-.14	2.77 ***	-.13	
			2.73	-.05	2.78		2.86 ***	-.15	2.86 ***	-.15	
f. Learned something that changed the way you understand an issue or concept	CHNGVIEW	FY	2.85	-.01	2.85		2.85	.00	2.88	-.04	
			2.86	-.02	2.88		2.91 *	-.07	2.92 **	-.08	
<b>7. Enriching Educational Experiences</b>											
<i>Which of the following have you done or do you plan to do before you graduate from your institution? (Recoded: 0=Have not decided, Do not plan to do, Plan to do; 1=Done. Thus, the mean is the proportion responding "Done" among all valid respondents.)</i>											
a. Practicum, internship, field experience, co-op experience, or clinical assignment	INTERN04	EEE	FY	.03	-.13	.06 ***		.07 ***	-.16	.07 ***	-.15
				.41	.01	.40		.51 ***	-.20	.49 ***	-.17

<sup>a</sup>Weighted by gender and enrollment status (and size for comparisons).

<sup>b</sup>\* p<.05 \*\* p<.01 \*\*\* p<.001 (2-tailed).

<sup>c</sup>Mean difference divided by pooled SD

**NSSE 2011 Mean Comparisons  
McMaster University**

*McMaster compared with:*

	Variable	Bench- mark	Class	McMaster		Ontario		US Peers		NSSE 2011	
				Mean <sup>a</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>
b. Community service or volunteer work	VOLNTR04	EEE	FY	.28	.07	.25 **		.44 ***	-.33	.36 ***	-.16
			SR	.59	.08	.55 **		.63 **	-.08	.59	.00
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	LRNCOM04	EEE	FY	.10	-.01	.11		.27 ***	-.40	.17 ***	-.17
			SR	.19	.03	.17		.27 ***	-.20	.25 ***	-.15
d. Work on a research project with a faculty member outside of course or program requirements	RESRCH04	SFI	FY	.03	-.01	.03		.06 ***	-.12	.05 ***	-.08
			SR	.19	.09	.15 ***		.22 **	-.07	.19	-.01
e. Coursework in a foreign or additional language	FORLNG04	EEE	FY	.08	-.14	.13 ***		.28 ***	-.45	.19 ***	-.27
			SR	.17	-.10	.21 ***		.51 ***	-.69	.37 ***	-.43
f. Study abroad	STDABR04	EEE	FY	.04	-.03	.04		.03	.03	.03	.02
			SR	.08	-.08	.10 ***		.16 ***	-.23	.14 ***	-.18
g. Independent study or self-designed major	INDSTD04	EEE	FY	.03	-.04	.04		.03	-.01	.04 *	-.05
			SR	.17	.14	.12 ***		.15	.04	.16	.03
h. Culminating senior experience (capstone course, senior project or thesis, comprehensive exam, etc.)	SNRX04	EEE	FY	.02	.00	.02		.02	-.04	.02	-.03
			SR	.41	.52	.20 ***		.27 ***	.32	.30 ***	.23
<p>Select the circle that best represents the quality of your relationships with people at your institution. 1=Unfriendly, Unsupportive, Sense of alienation to 7=Friendly, Supportive, Sense of belonging</p>											
8. <b>Quality of Relationships</b> a. Relationships with <b>other students</b>	ENVSTU	SCE	FY	5.45	.04	5.40		5.48	-.02	5.48	-.02
			SR	5.70	.22	5.39 ***		5.51 ***	.14	5.60 ***	.08
<p>1=Unavailable, Unhelpful, Unsympathetic to 7=Available, Helpful, Sympathetic</p>											
b. Relationships with <b>faculty members</b>	ENVFAC	SCE	FY	4.98	.03	4.94		5.05	-.05	5.24 ***	-.19
			SR	5.16	.08	5.04 **		5.23	-.05	5.41 ***	-.18
<p>1=Unhelpful, Inconsiderate, Rigid to 7=Helpful, Considerate, Flexible</p>											
c. Relationships with <b>administrative personnel and offices</b>	ENVADM	SCE	FY	4.78	.10	4.63 ***		4.66 **	.08	4.81	-.02
			SR	4.66	.19	4.33 ***		4.44 ***	.13	4.62	.02

<sup>a</sup> Weighted by gender and enrollment status (and size for comparisons).

<sup>b</sup> \* p<.05 \*\* p<.01 \*\*\* p<.001 (2-tailed).

<sup>c</sup> Mean difference divided by pooled SD

## NSSE 2011 Mean Comparisons McMaster University

*McMaster compared with:*

Variable	Bench- mark	Class	McMaster		Ontario		US Peers		NSSE 2011		
			Mean <sup>a</sup>		Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>
<i>About how many hours do you spend in a typical 7-day week doing each of the following? 1=0 hrs/wk, 2=1-5 hrs/wk, 3=6-10 hrs/wk, 4=11-15 hrs/wk, 5=16-20 hrs/wk, 6=21-25 hrs/wk, 7=26-30 hrs/wk, 8=More than 30 hrs/wk</i>											
<b>9. Time Usage</b>											
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	ACADPR01	LAC	FY	4.96	4.46 ***	.27	4.37 ***	.35	4.28 ***	.40	
			SR	4.83	4.55 ***	.15	4.40 ***	.24	4.38 ***	.25	
b. Working for pay <b>on campus</b>	WORKON01		FY	1.23	1.22	.01	1.50 ***	-.23	1.41 ***	-.17	
			SR	1.58	1.53	.04	1.97 ***	-.22	1.78 ***	-.13	
c. Working for pay <b>off campus</b>	WORKOF01		FY	1.78	2.05 ***	-.15	1.87 *	-.05	2.19 ***	-.19	
			SR	2.26	2.79 ***	-.24	3.26 ***	-.39	3.42 ***	-.42	
d. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	COCURR01	EEE	FY	2.00	1.88 ***	.10	2.35 ***	-.24	2.16 ***	-.11	
			SR	2.16	2.00 ***	.11	2.11	.03	2.09	.04	
e. Relaxing and socializing (watching TV, partying, etc.)	SOCIAL05		FY	3.82	3.90 *	-.05	3.80	.01	3.75	.04	
			SR	3.93	3.80 **	.08	3.56 ***	.24	3.54 ***	.25	
f. Providing care for dependents living with you (parents, children, spouse, etc.)	CAREDE01		FY	1.72	1.84 ***	-.08	1.47 ***	.21	1.86 ***	-.08	
			SR	1.64	1.95 ***	-.19	2.24 ***	-.29	2.36 ***	-.32	
g. Commuting to class (driving, walking, etc.)	COMMUTE		FY	2.45	2.58 ***	-.11	2.37 **	.08	2.33 ***	.10	
			SR	2.55	2.69 ***	-.13	2.44 ***	.10	2.43 ***	.10	
<i>To what extent does your institution emphasize each of the following? 1=Very little, 2=Some, 3=Quite a bit, 4=Very much</i>											
<b>10. Institutional Environment</b>											
a. Spending significant amounts of time studying and on academic work	ENVSCHOL	LAC	FY	3.23	3.15 ***	.10	3.19	.05	3.18 **	.07	
			SR	3.19	3.17	.03	3.12 ***	.09	3.16	.04	
b. Providing the support you need to help you succeed academically	ENVSUPRT	SCE	FY	2.97	2.94	.05	3.05 ***	-.09	3.08 ***	-.13	
			SR	2.70	2.67	.03	2.81 ***	-.14	2.92 ***	-.26	
c. Encouraging contact among students from different economic, social, and racial or ethnic backgrounds	ENVDIVRS	EEE	FY	2.47	2.48	-.02	2.67 ***	-.21	2.67 ***	-.21	
			SR	2.33	2.25 **	.08	2.43 ***	-.10	2.51 ***	-.18	

<sup>a</sup> Weighted by gender and enrollment status (and size for comparisons).

<sup>b</sup> \* p<.05 \*\* p<.01 \*\*\* p<.001 (2-tailed).

<sup>c</sup> Mean difference divided by pooled SD

**NSSE 2011 Mean Comparisons  
McMaster University**

*McMaster compared with:*

	Variable	Bench- mark	Class	McMaster			Ontario			US Peers		NSSE 2011	
				Mean <sup>a</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>
d.	Helping you cope with your non-academic responsibilities (work, family, etc.)	ENVNACAD	SCE	FY	1.99	2.08 ***	-.10	2.17 ***	-.20	2.24 ***	-.26		
				SR	1.85	1.83	.02	1.85	.01	1.99 ***	-.14		
e.	Providing the support you need to thrive socially	ENVSOCAL	SCE	FY	2.26	2.30	-.05	2.48 ***	-.23	2.49 ***	-.24		
				SR	2.12	2.05 **	.08	2.15	-.03	2.24 ***	-.12		
f.	Attending campus events and activities (special speakers, cultural performances, athletic events, etc.)	ENVEVENT		FY	2.60	2.63	-.03	2.93 ***	-.37	2.83 ***	-.24		
				SR	2.58	2.47 ***	.12	2.65 **	-.07	2.63 *	-.05		
g.	Using computers in academic work	ENVCOMPT		FY	3.32	3.14 ***	.20	3.36	-.05	3.30	.03		
				SR	3.39	3.26 ***	.14	3.44 **	-.07	3.43 *	-.06		

*To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?*

*1=Very little, 2=Some, 3=Quite a bit, 4=Very much*

**11. Educational and Personal Growth**

a.	Acquiring a broad general education	GNGENLED		FY	3.14	3.05 ***	.10	3.17	-.05	3.15	-.01
				SR	3.18	3.12 **	.07	3.17	.01	3.22	-.04
b.	Acquiring job or work-related knowledge and skills	GNWORK		FY	2.65	2.63	.02	2.78 ***	-.14	2.80 ***	-.16
				SR	2.71	2.71	.00	2.93 ***	-.23	3.02 ***	-.33
c.	Writing clearly and effectively	GNWRITE		FY	2.76	2.79	-.03	2.89 ***	-.14	2.98 ***	-.24
				SR	3.06	3.00 **	.07	3.03	.04	3.09	-.03
d.	Speaking clearly and effectively	GNSPEAK		FY	2.61	2.55 *	.07	2.74 ***	-.14	2.79 ***	-.19
				SR	2.97	2.80 ***	.18	2.90 **	.08	2.97	-.01
e.	Thinking critically and analytically	GNANALY		FY	3.29	3.19 ***	.12	3.21 ***	.10	3.23 **	.08
				SR	3.42	3.32 ***	.12	3.32 ***	.13	3.36 **	.07
f.	Analyzing quantitative problems	GNQUANT		FY	3.09	2.89 ***	.21	3.01 **	.09	2.97 ***	.14
				SR	3.05	2.92 ***	.15	3.07	-.01	3.08	-.02
g.	Using computing and information technology	GNCMPTS		FY	2.96	2.78 ***	.18	3.05 ***	-.11	2.98	-.03
				SR	2.91	2.85 *	.06	3.14 ***	-.26	3.14 ***	-.26
h.	Working effectively with others	GNOTHERS		FY	2.97	2.73 ***	.25	2.94	.03	2.96	.01
				SR	3.12	2.88 ***	.25	3.07 *	.06	3.14	-.03

<sup>a</sup> Weighted by gender and enrollment status (and size for comparisons).

<sup>b</sup> \* p<.05 \*\* p<.01 \*\*\* p<.001 (2-tailed).

<sup>c</sup> Mean difference divided by pooled SD

## NSSE 2011 Mean Comparisons McMaster University

*McMaster compared with:*

	Variable	Bench- mark	Class	McMaster			Ontario		US Peers		NSSE 2011		
				Mean <sup>a</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>	Mean <sup>a</sup>	Sig <sup>b</sup>	Effect Size <sup>c</sup>
i. Voting in local, provincial, or federal elections	GNCITIZN		FY	1.96	1.84	***	.12	2.04	**	-.08	1.95	.01	
			SR	1.86	1.84		.01	2.05	***	-.19	2.04	***	-.18
j. Learning effectively on your own	GNINQ		FY	3.09	2.99	***	.12	3.00	***	.11	2.97	***	.14
			SR	3.24	3.07	***	.19	3.01	***	.26	3.06	***	.20
k. Understanding yourself	GNSELF		FY	2.78	2.71	**	.07	2.78		-.01	2.80	-.02	
			SR	2.82	2.75	**	.07	2.74	**	.08	2.83	-.01	
l. Understanding people of other racial and ethnic backgrounds	GNDIVERS		FY	2.53	2.51		.02	2.63	***	-.10	2.63	***	-.10
			SR	2.58	2.52	*	.06	2.58		.00	2.64	*	-.05
m. Solving complex real-world problems	GNPROBSV		FY	2.73	2.60	***	.15	2.70		.03	2.69	.04	
			SR	2.77	2.61	***	.17	2.76		.01	2.81	-.04	
n. Developing a personal code of values and ethics	GNETHICS		FY	2.58	2.54		.04	2.65	*	-.07	2.69	***	-.11
			SR	2.65	2.56	***	.09	2.59	*	.06	2.72	**	-.07
o. Contributing to the welfare of your community	GNCOMMUN		FY	2.32	2.23	***	.10	2.46	***	-.14	2.44	***	-.12
			SR	2.37	2.25	***	.12	2.40		-.04	2.47	***	-.10
p. Developing a deepened sense of spirituality	GNSPIRIT		FY	1.79	1.78		.02	2.01	***	-.21	2.05	***	-.24
			SR	1.71	1.64	**	.07	1.73		-.02	1.89	***	-.18
<b>12. Academic Advising</b>				<i>1=Poor, 2=Fair, 3=Good, 4=Excellent</i>									
Overall, how would you evaluate the quality of academic advising you have received at your institution?	ADVISE		FY	3.03	2.94	***	.11	3.04		-.01	3.06	-.03	
			SR	2.87	2.74	***	.14	2.81	*	.06	2.90	-.04	
<b>13. Satisfaction</b>				<i>1=Poor, 2=Fair, 3=Good, 4=Excellent</i>									
How would you evaluate your entire educational experience at this institution?	ENTIREXP		FY	3.22	3.11	***	.15	3.22		.00	3.22	.01	
			SR	3.15	3.00	***	.18	3.15		.00	3.20	*	-.06
<b>14.</b>				<i>1=Definitely no, 2=Probably no, 3=Probably yes, 4=Definitely yes</i>									
If you could start over again, would you go to the <b>same institution</b> you are now attending?	SAMECOLL		FY	3.35	3.23	***	.15	3.32		.04	3.26	***	.11
			SR	3.17	3.03	***	.15	3.20		-.04	3.20	-.03	

<sup>a</sup> Weighted by gender and enrollment status (and size for comparisons).

<sup>b</sup> \* p<.05 \*\* p<.01 \*\*\* p<.001 (2-tailed).

<sup>c</sup> Mean difference divided by pooled SD

**McMaster University**  
**First-Year Students**

	N	Mean				Standard Error of the Mean <sup>b</sup>				Standard Deviation <sup>c</sup>				Degrees of Freedom <sup>d</sup>			Significance <sup>e</sup>			Effect Size <sup>f</sup>		
	McMaster	McMaster	Ontario	US Peers	NSSE 2011	McMaster	Ontario	US Peers	NSSE 2011	McMaster	Ontario	US Peers	NSSE 2011	Ontario	US Peers	NSSE 2011	Ontario	US Peers	NSSE 2011	Ontario	US Peers	NSSE 2011
CLQUEST	1,764	2.27	2.28	2.63	2.72	.02	.01	.01	.00	.87	.87	.86	.88	28,589	2,244	1,785	.759	.000	.000	-.01	-.42	-.51
CLPRESENT	1,768	2.04	1.75	2.14	2.17	.02	.00	.01	.00	.73	.78	.78	.84	2,047	2,355	1,795	.000	.000	.000	.37	-.12	-.15
REWROPAP	1,753	2.24	2.33	2.54	2.61	.02	.01	.01	.00	1.00	.99	.98	1.00	28,464	14,842	1,772	.000	.000	.000	-.09	-.30	-.37
INTEGRAT	1,762	3.06	2.97	2.99	3.07	.02	.01	.01	.00	.83	.87	.82	.81	28,633	2,249	296,229	.000	.002	.337	.09	.08	-.02
DIVCLASS	1,763	2.51	2.48	2.71	2.71	.02	.01	.01	.00	1.01	.99	.90	.92	28,513	2,151	1,780	.245	.000	.000	.03	-.22	-.22
CLUNPREP	1,765	2.32	2.23	2.10	2.01	.02	.01	.01	.00	.85	.84	.79	.80	1,995	2,198	1,782	.000	.000	.000	.10	.28	.39
CLASSGRP	1,760	2.12	2.05	2.40	2.38	.02	.01	.01	.00	.91	.92	.86	.89	28,572	14,897	1,779	.002	.000	.000	.08	-.32	-.29
OCCGRP	1,772	2.89	2.52	2.45	2.47	.02	.01	.01	.00	.92	.98	.88	.92	2,043	14,941	1,793	.000	.000	.000	.38	.49	.46
INTIDEAS	1,703	2.72	2.64	2.64	2.65	.02	.01	.01	.00	.84	.84	.80	.83	27,287	2,149	280,010	.000	.000	.000	.09	.10	.09
TUTOR	1,696	1.79	1.67	1.74	1.69	.02	.01	.01	.00	.88	.84	.87	.85	27,343	14,086	280,681	.000	.026	.000	.14	.06	.12
COMMPROJ	1,688	1.40	1.32	1.57	1.53	.02	.00	.01	.00	.77	.67	.84	.81	1,857	2,263	1,710	.000	.000	.000	.11	-.21	-.16
ITACADEM	1,707	3.02	2.72	2.74	2.68	.02	.01	.01	.00	.94	1.00	1.02	1.03	1,974	2,293	1,731	.000	.000	.000	.30	.28	.33
EMAIL	1,697	2.77	2.83	3.22	3.14	.02	.01	.01	.00	.89	.89	.79	.83	27,324	2,079	1,714	.005	.000	.000	-.07	-.56	-.45
FACGRADE	1,700	2.04	2.12	2.54	2.53	.02	.01	.01	.00	.88	.89	.89	.91	1,938	2,205	1,721	.001	.000	.000	-.08	-.57	-.54
FACPLANS	1,697	1.66	1.60	2.18	2.08	.02	.01	.01	.00	.83	.81	.89	.92	27,294	14,069	280,260	.002	.000	.000	.08	-.58	-.45
FACIDEAS	1,707	1.73	1.69	1.80	1.83	.02	.01	.01	.00	.89	.85	.88	.89	1,918	2,189	280,678	.051	.002	.000	.05	-.08	-.10
FACFEED	1,684	2.20	2.26	2.60	2.59	.02	.01	.01	.00	.89	.88	.83	.88	26,824	13,819	1,704	.009	.000	.000	-.07	-.47	-.44
WORKHARD	1,680	2.47	2.51	2.64	2.69	.02	.01	.01	.00	.88	.87	.85	.86	26,799	2,137	1,699	.033	.000	.000	-.05	-.20	-.26
FACOTHER	1,671	1.43	1.41	1.60	1.59	.02	.00	.01	.00	.73	.73	.83	.84	26,652	2,309	1,697	.167	.000	.000	.03	-.20	-.18
OOCIDEAS	1,685	2.88	2.82	2.72	2.77	.02	.01	.01	.00	.87	.89	.87	.89	1,927	2,175	1,705	.007	.000	.000	.07	.19	.12
DIVRSTUD	1,683	2.74	2.69	2.64	2.61	.03	.01	.01	.00	1.04	1.05	1.02	1.04	26,852	13,823	275,405	.054	.000	.000	.05	.10	.13
DIFFSTU2	1,682	2.68	2.65	2.70	2.64	.03	.01	.01	.00	1.04	1.03	.99	1.01	26,871	2,124	275,529	.266	.332	.130	.03	-.03	.04
MEMORIZE	1,673	2.83	2.92	3.02	2.95	.02	.01	.01	.00	.90	.89	.84	.86	1,893	2,096	1,691	.000	.000	.000	-.10	-.22	-.13
ANALYZE	1,672	3.22	3.14	3.17	3.16	.02	.00	.01	.00	.78	.78	.77	.77	1,896	2,138	1,691	.000	.011	.001	.10	.07	.08
SYNTHESZ	1,665	2.94	2.84	2.93	2.93	.02	.01	.01	.00	.87	.87	.84	.85	26,550	2,118	1,684	.000	.638	.587	.12	.01	.01
EVALUATE	1,667	2.85	2.80	2.89	2.90	.02	.01	.01	.00	.92	.89	.85	.87	1,880	2,077	1,684	.029	.090	.024	.06	-.05	-.06
APPLYING	1,676	3.18	3.07	3.09	3.08	.02	.01	.01	.00	.87	.88	.85	.85	1,912	2,140	1,695	.000	.000	.000	.13	.11	.13
READASGN	1,674	3.30	3.23	3.16	3.18	.02	.01	.01	.00	.91	.90	.92	.93	1,900	2,179	272,176	.001	.000	.000	.09	.16	.14

<sup>a</sup> All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.

<sup>b</sup> The 95% confidence interval for the population mean is equal to the sample mean plus/minus 1.96 times the standard error of the mean.

<sup>c</sup> A measure of the amount individual scores deviate from the mean of all the scores in the distribution.

<sup>d</sup> Degrees of freedom used to compute the t-tests. Values differ from the total Ns due to weighting and whether equal variances were assumed.

<sup>e</sup> Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

<sup>f</sup> Effect size is calculated by subtracting the comparison group mean from the school mean, then dividing the result by the pooled standard deviation.

**McMaster University**  
**First-Year Students**

	N	Mean				Standard Error of the Mean <sup>b</sup>				Standard Deviation <sup>c</sup>				Degrees of Freedom <sup>d</sup>			Significance <sup>e</sup>			Effect Size <sup>f</sup>		
	McMaster	McMaster	Ontario	US Peers	NSSE 2011	McMaster	Ontario	US Peers	NSSE 2011	McMaster	Ontario	US Peers	NSSE 2011	Ontario	US Peers	NSSE 2011	Ontario	US Peers	NSSE 2011	Ontario	US Peers	NSSE 2011
READOWN	1,672	1.99	2.04	2.00	2.04	.02	.01	.01	.00	.95	.95	.91	.94	26,560	2,121	272,227	.089	.905	.049	-.04	.00	-.05
WRITEMOR	1,672	1.50	1.40	1.22	1.30	.02	.00	.01	.00	.79	.76	.61	.70	1,885	1,959	1,687	.000	.000	.000	.12	.42	.28
WRITEMID	1,672	2.29	2.29	2.14	2.21	.02	.01	.01	.00	.80	.84	.81	.82	1,932	13,672	272,347	.995	.000	.000	.00	.18	.09
WRITESML	1,671	2.54	2.50	2.87	2.88	.02	.01	.01	.00	.95	.97	1.01	1.03	26,599	2,230	1,694	.102	.000	.000	.04	-.32	-.33
PROBSETA	1,671	3.19	2.87	2.81	2.80	.03	.01	.01	.00	1.27	1.25	1.14	1.16	1,895	2,065	1,688	.000	.000	.000	.25	.33	.34
PROBSETB	1,666	2.43	2.33	2.76	2.68	.03	.01	.01	.00	1.26	1.22	1.24	1.24	1,882	13,633	271,324	.002	.000	.000	.08	-.26	-.21
EXAMS	1,672	5.48	5.42	5.53	5.46	.03	.01	.01	.00	1.24	1.25	1.18	1.20	26,616	2,114	272,454	.050	.096	.520	.05	-.05	.02
ATDART07	1,659	1.70	1.82	2.11	2.07	.02	.01	.01	.00	.79	.85	.91	.92	26,303	2,314	268,871	.000	.000	.000	-.14	-.46	-.40
EXRCSE05	1,654	2.60	2.55	2.93	2.78	.03	.01	.01	.00	1.04	1.04	.97	1.05	26,258	2,071	268,636	.051	.000	.000	.05	-.34	-.17
WORSHPO5	1,651	1.73	1.66	2.05	1.96	.02	.01	.01	.00	.99	.97	1.10	1.10	1,868	2,254	1,675	.015	.000	.000	.06	-.30	-.22
OWNVIEW	1,649	2.42	2.42	2.58	2.58	.02	.01	.01	.00	.93	.92	.89	.91	26,169	2,089	268,048	.951	.000	.000	.00	-.18	-.17
OTHRVIEW	1,650	2.66	2.66	2.78	2.77	.02	.01	.01	.00	.92	.89	.86	.88	1,863	2,073	1,668	.867	.000	.000	.00	-.14	-.13
CHNGVIEW	1,658	2.85	2.85	2.85	2.88	.02	.01	.01	.00	.85	.85	.84	.84	26,323	13,557	269,011	.663	.878	.132	-.01	.00	-.04
INTERN04	1,648	.03	.06	.07	.07	.00	.00	.00	.00	.18	.24	.26	.26	2,088	2,733	1,690	.000	.000	.000	-.13	-.16	-.15
VOLNTR04	1,643	.28	.25	.44	.36	.01	.00	.00	.00	.45	.44	.50	.48	1,855	2,241	1,666	.009	.000	.000	.07	-.33	-.16
LRNCOM04	1,644	.10	.11	.27	.17	.01	.00	.00	.00	.30	.31	.45	.37	25,831	2,770	1,675	.615	.000	.000	-.01	-.40	-.17
RESRCH04	1,643	.03	.03	.06	.05	.00	.00	.00	.00	.17	.17	.23	.21	25,909	2,586	1,674	.829	.000	.000	-.01	-.12	-.08
FORLNG04	1,645	.08	.13	.28	.19	.01	.00	.00	.00	.28	.34	.45	.39	1,992	3,025	1,685	.000	.000	.000	-.14	-.45	-.27
STDABR04	1,643	.04	.04	.03	.03	.00	.00	.00	.00	.19	.20	.17	.18	1,913	2,049	263,640	.177	.221	.484	-.03	.03	.02
INDSTD04	1,638	.03	.04	.03	.04	.00	.00	.00	.00	.17	.19	.18	.19	1,916	13,289	1,664	.135	.627	.025	-.04	-.01	-.05
SNRX04	1,649	.02	.02	.02	.02	.00	.00	.00	.00	.13	.13	.15	.14	25,959	2,311	1,674	.932	.102	.188	.00	-.04	-.03
ENVSTU	1,649	5.45	5.40	5.48	5.48	.03	.01	.01	.00	1.37	1.43	1.35	1.38	1,899	13,339	264,492	.109	.467	.400	.04	-.02	-.02
ENVFAC	1,652	4.98	4.94	5.05	5.24	.03	.01	.01	.00	1.40	1.37	1.30	1.33	26,001	2,075	264,595	.271	.072	.000	.03	-.05	-.19
ENVADM	1,647	4.78	4.63	4.66	4.81	.04	.01	.01	.00	1.52	1.51	1.50	1.53	25,986	13,321	264,378	.000	.001	.425	.10	.08	-.02
ACADPR01	1,647	4.96	4.46	4.37	4.28	.05	.01	.02	.00	1.95	1.81	1.63	1.69	1,844	1,985	1,662	.000	.000	.000	.27	.35	.40
WORKON01	1,645	1.23	1.22	1.50	1.41	.02	.01	.01	.00	.90	.90	1.21	1.12	25,811	2,557	1,676	.653	.000	.000	.01	-.23	-.17
WORKOF01	1,642	1.78	2.05	1.87	2.19	.04	.01	.02	.00	1.59	1.82	1.77	2.09	1,947	2,260	1,677	.000	.026	.000	-.15	-.05	-.19
COCURR01	1,645	2.00	1.88	2.35	2.16	.03	.01	.01	.00	1.29	1.21	1.53	1.48	25,842	2,344	1,672	.000	.000	.000	.10	-.24	-.11

<sup>a</sup> All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.

<sup>b</sup> The 95% confidence interval for the population mean is equal to the sample mean plus/minus 1.96 times the standard error of the mean.

<sup>c</sup> A measure of the amount individual scores deviate from the mean of all the scores in the distribution.

<sup>d</sup> Degrees of freedom used to compute the t-tests. Values differ from the total Ns due to weighting and whether equal variances were assumed.

<sup>e</sup> Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

<sup>f</sup> Effect size is calculated by subtracting the comparison group mean from the school mean, then dividing the result by the pooled standard deviation.

**McMaster University**  
**First-Year Students**

	N	Mean				Standard Error of the Mean <sup>b</sup>				Standard Deviation <sup>c</sup>				Degrees of Freedom <sup>d</sup>			Significance <sup>e</sup>			Effect Size <sup>f</sup>		
	McMaster	McMaster	Ontario	US Peers	NSSE 2011	McMaster	Ontario	US Peers	NSSE 2011	McMaster	Ontario	US Peers	NSSE 2011	Ontario	US Peers	NSSE 2011	Ontario	US Peers	NSSE 2011	Ontario	US Peers	NSSE 2011
SOCIAL05	1,643	3.82	3.90	3.80	3.75	.04	.01	.01	.00	1.69	1.68	1.61	1.63	25,780	2,086	262,142	.042	.686	.085	-.05	.01	.04
CAREDE01	1,645	1.72	1.84	1.47	1.86	.03	.01	.01	.00	1.34	1.49	1.21	1.74	1,932	2,043	1,679	.001	.000	.000	-.08	.21	-.08
COMMUTE	1,647	2.45	2.58	2.37	2.33	.03	.01	.01	.00	1.19	1.21	.97	1.14	1,886	1,971	1,665	.000	.006	.000	-.11	.08	.10
ENVSCHOL	1,632	3.23	3.15	3.19	3.18	.02	.00	.01	.00	.74	.76	.74	.75	25,563	13,129	259,452	.000	.054	.005	.10	.05	.07
ENVSUPRT	1,626	2.97	2.94	3.05	3.08	.02	.01	.01	.00	.81	.83	.80	.81	1,868	13,085	258,347	.065	.001	.000	.05	-.09	-.13
ENVDIVRS	1,630	2.47	2.48	2.67	2.67	.02	.01	.01	.00	1.00	.99	.98	.99	25,471	13,076	258,262	.490	.000	.000	-.02	-.21	-.21
ENVNACAD	1,623	1.99	2.08	2.17	2.24	.02	.01	.01	.00	.92	.94	.94	.97	1,860	2,134	1,645	.000	.000	.000	-.10	-.20	-.26
ENVSOCAL	1,617	2.26	2.30	2.48	2.49	.02	.01	.01	.00	.90	.94	.92	.95	1,862	2,124	1,638	.063	.000	.000	-.05	-.23	-.24
ENVEVENT	1,626	2.60	2.63	2.93	2.83	.02	.01	.01	.00	.93	.96	.89	.95	1,870	2,076	258,302	.254	.000	.000	-.03	-.37	-.24
ENVCOMPT	1,628	3.32	3.14	3.36	3.30	.02	.01	.01	.00	.82	.88	.77	.81	1,893	2,055	258,637	.000	.070	.253	.20	-.05	.03
NGNENLED	1,599	3.14	3.05	3.17	3.15	.02	.01	.01	.00	.78	.81	.76	.80	25,141	12,885	1,619	.000	.091	.584	.10	-.05	-.01
GNWORK	1,598	2.65	2.63	2.78	2.80	.02	.01	.01	.00	.96	.96	.94	.94	25,090	2,049	1,616	.511	.000	.000	.02	-.14	-.16
GNWRITE	1,598	2.76	2.79	2.89	2.98	.02	.01	.01	.00	.95	.90	.88	.87	1,798	2,003	1,614	.278	.000	.000	-.03	-.14	-.24
GNSPEAK	1,590	2.61	2.55	2.74	2.79	.02	.01	.01	.00	.98	.97	.92	.94	25,072	2,004	1,608	.010	.000	.000	.07	-.14	-.19
GNANALY	1,598	3.29	3.19	3.21	3.23	.02	.01	.01	.00	.81	.80	.78	.78	1,815	2,043	1,616	.000	.000	.001	.12	.10	.08
GNQUANT	1,589	3.09	2.89	3.01	2.97	.02	.01	.01	.00	.89	.92	.85	.88	24,990	2,023	1,608	.000	.001	.000	.21	.09	.14
GNCMPTS	1,597	2.96	2.78	3.05	2.98	.02	.01	.01	.00	.95	.98	.88	.92	1,835	2,001	1,615	.000	.000	.263	.18	-.11	-.03
GNOTHERS	1,602	2.97	2.73	2.94	2.96	.02	.01	.01	.00	.92	.95	.89	.90	1,841	2,047	254,636	.000	.329	.808	.25	.03	.01
GNCITIZN	1,582	1.96	1.84	2.04	1.95	.02	.01	.01	.00	.99	.97	1.00	1.01	24,804	12,707	250,974	.000	.003	.810	.12	-.08	.01
GNINQ	1,576	3.09	2.99	3.00	2.97	.02	.01	.01	.00	.85	.85	.84	.85	1,794	2,034	250,562	.000	.000	.000	.12	.11	.14
GNSELF	1,572	2.78	2.71	2.78	2.80	.02	.01	.01	.00	.96	.97	.95	.96	24,709	12,673	250,105	.008	.850	.345	.07	-.01	-.02
GNDIVERS	1,574	2.53	2.51	2.63	2.63	.02	.01	.01	.00	.98	.98	.96	.98	24,784	12,683	250,676	.387	.000	.000	.02	-.10	-.10
GNPROBSV	1,585	2.73	2.60	2.70	2.69	.02	.01	.01	.00	.93	.94	.92	.93	24,818	12,702	250,899	.000	.230	.084	.15	.03	.04
GNETHICS	1,584	2.58	2.54	2.65	2.69	.02	.01	.01	.00	.99	.98	.99	.99	24,801	12,699	250,831	.114	.014	.000	.04	-.07	-.11
GNCOMMUN	1,583	2.32	2.23	2.46	2.44	.02	.01	.01	.00	.98	.96	.97	.99	24,809	12,704	1,603	.000	.000	.000	.10	-.14	-.12
GNSPIRIT	1,577	1.79	1.78	2.01	2.05	.02	.01	.01	.00	.98	.97	1.05	1.08	24,832	12,695	1,600	.517	.000	.000	.02	-.21	-.24
ADVISE	1,587	3.03	2.94	3.04	3.06	.02	.01	.01	.00	.81	.80	.84	.82	25,051	2,103	253,366	.000	.721	.205	.11	-.01	-.03
ENTIREXP	1,585	3.22	3.11	3.22	3.22	.02	.01	.01	.00	.75	.77	.70	.73	1,814	1,991	1,603	.000	.944	.759	.15	.00	.01
SAMECOLL	1,591	3.35	3.23	3.32	3.26	.02	.01	.01	.00	.76	.80	.77	.81	25,074	12,817	1,612	.000	.130	.000	.15	.04	.11

<sup>a</sup> All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.

<sup>b</sup> The 95% confidence interval for the population mean is equal to the sample mean plus/minus 1.96 times the standard error of the mean.

<sup>c</sup> A measure of the amount individual scores deviate from the mean of all the scores in the distribution.

<sup>d</sup> Degrees of freedom used to compute the t-tests. Values differ from the total Ns due to weighting and whether equal variances were assumed.

<sup>e</sup> Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

<sup>f</sup> Effect size is calculated by subtracting the comparison group mean from the school mean, then dividing the result by the pooled standard deviation.

**McMaster University**  
**Seniors**

	N	Mean				Standard Error of the Mean <sup>b</sup>				Standard Deviation <sup>c</sup>				Degrees of Freedom <sup>d</sup>			Significance <sup>e</sup>			Effect Size <sup>f</sup>		
	McMaster	McMaster	Ontario	US Peers	NSSE 2011	McMaster	Ontario	US Peers	NSSE 2011	McMaster	Ontario	US Peers	NSSE 2011	Ontario	US Peers	NSSE 2011	Ontario	US Peers	NSSE 2011	Ontario	US Peers	NSSE 2011
CLQUEST	1,592	2.62	2.72	2.94	3.04	.02	.01	.01	.00	.92	.93	.88	.88	30,515	1,855	1,603	.000	.000	.000	-.11	-.36	-.48
CLPRESENT	1,597	2.66	2.56	2.63	2.74	.02	.01	.01	.00	.86	.90	.88	.90	1,796	1,905	1,610	.000	.139	.000	.11	.04	-.09
REWROPAP	1,593	2.27	2.33	2.39	2.46	.03	.01	.01	.00	1.01	1.03	.99	.99	1,781	19,863	396,900	.040	.000	.000	-.05	-.12	-.19
INTEGRAT	1,596	3.44	3.41	3.25	3.34	.02	.00	.01	.00	.74	.75	.77	.75	30,493	19,877	398,069	.118	.000	.000	.04	.24	.12
DIVCLASS	1,594	2.55	2.68	2.75	2.80	.03	.01	.01	.00	1.01	1.00	.95	.95	30,403	1,846	1,604	.000	.000	.000	-.13	-.21	-.26
CLUNPREP	1,597	2.38	2.31	2.19	2.11	.02	.00	.01	.00	.87	.85	.82	.81	1,767	1,852	1,607	.005	.000	.000	.07	.22	.33
CLASSGRP	1,600	2.11	2.15	2.48	2.51	.02	.01	.01	.00	.91	.94	.91	.93	1,790	1,887	1,612	.108	.000	.000	-.04	-.41	-.43
OCCGRP	1,604	3.02	2.81	2.78	2.80	.02	.01	.01	.00	.92	.97	.94	.93	1,805	1,903	1,616	.000	.000	.000	.21	.26	.23
INTIDEAS	1,574	2.93	2.94	2.93	2.97	.02	.00	.01	.00	.79	.81	.82	.82	29,662	19,241	384,605	.708	.865	.114	-.01	.00	-.04
TUTOR	1,569	1.89	1.76	1.85	1.85	.02	.01	.01	.00	.99	.91	.95	.96	1,719	1,832	385,410	.000	.138	.187	.13	.04	.03
COMMPROJ	1,558	1.45	1.47	1.66	1.68	.02	.00	.01	.00	.77	.80	.88	.90	29,518	1,936	1,574	.502	.000	.000	-.02	-.23	-.26
ITACADEM	1,574	2.99	2.85	2.92	2.89	.02	.01	.01	.00	.95	1.00	.99	1.00	1,774	1,891	1,588	.000	.003	.000	.15	.08	.10
EMAIL	1,575	3.28	3.29	3.43	3.42	.02	.00	.01	.00	.78	.78	.72	.73	29,648	1,826	1,585	.721	.000	.000	-.01	-.20	-.20
FACGRADE	1,575	2.39	2.45	2.71	2.75	.02	.01	.01	.00	.88	.89	.88	.90	29,701	1,868	1,587	.004	.000	.000	-.07	-.36	-.41
FACPLANS	1,577	1.98	1.96	2.28	2.33	.02	.01	.01	.00	.89	.91	.94	.97	1,767	1,903	1,591	.297	.000	.000	.03	-.32	-.36
FACIDEAS	1,572	1.86	1.89	1.97	2.05	.02	.01	.01	.00	.87	.89	.90	.93	29,733	1,877	385,750	.169	.000	.000	-.04	-.13	-.20
FACFEED	1,561	2.42	2.48	2.67	2.75	.02	.01	.01	.00	.87	.85	.82	.84	29,387	1,815	1,572	.006	.000	.000	-.07	-.31	-.39
WORKHARD	1,561	2.60	2.63	2.67	2.75	.02	.01	.01	.00	.85	.86	.87	.86	29,354	18,964	380,278	.162	.006	.000	-.04	-.07	-.18
FACOTHER	1,558	1.60	1.62	1.75	1.80	.02	.01	.01	.00	.85	.88	.92	.96	29,241	1,894	1,573	.618	.000	.000	-.01	-.16	-.21
OOCIDEAS	1,559	2.84	2.88	2.86	2.90	.02	.01	.01	.00	.84	.87	.86	.86	29,359	18,992	380,315	.115	.355	.015	-.04	-.02	-.06
DIVRSTUD	1,563	2.87	2.80	2.70	2.70	.02	.01	.01	.00	.99	1.02	.99	1.01	1,755	1,858	1,576	.006	.000	.000	.07	.18	.17
DIFFSTU2	1,560	2.80	2.73	2.74	2.71	.02	.01	.01	.00	.96	1.00	.98	.98	1,754	1,860	1,572	.004	.030	.000	.07	.06	.10
MEMORIZE	1,561	2.79	2.81	2.82	2.80	.02	.01	.01	.00	.94	.96	.92	.92	29,260	1,838	378,773	.468	.171	.687	-.02	-.04	-.01
ANALYZE	1,560	3.31	3.27	3.28	3.30	.02	.00	.01	.00	.74	.76	.76	.74	29,181	18,878	377,718	.069	.169	.750	.05	.04	.01
SYNTHESZ	1,562	3.04	3.02	3.06	3.09	.02	.01	.01	.00	.83	.86	.85	.84	29,119	18,814	377,012	.321	.453	.011	.03	-.02	-.06
EVALUATE	1,562	3.00	2.97	2.98	3.03	.02	.01	.01	.00	.87	.90	.88	.87	1,755	18,873	377,741	.092	.281	.282	.04	.03	-.03
APPLYING	1,563	3.22	3.13	3.18	3.23	.02	.01	.01	.00	.86	.89	.86	.83	29,234	18,883	1,574	.000	.095	.510	.10	.04	-.02
READASGN	1,558	3.12	3.14	3.13	3.12	.03	.01	.01	.00	1.07	1.04	1.03	1.02	29,125	1,822	1,569	.446	.634	.867	-.02	-.01	.00

<sup>a</sup> All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.

<sup>b</sup> The 95% confidence interval for the population mean is equal to the sample mean plus/minus 1.96 times the standard error of the mean.

<sup>c</sup> A measure of the amount individual scores deviate from the mean of all the scores in the distribution.

<sup>d</sup> Degrees of freedom used to compute the t-tests. Values differ from the total Ns due to weighting and whether equal variances were assumed.

<sup>e</sup> Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

<sup>f</sup> Effect size is calculated by subtracting the comparison group mean from the school mean, then dividing the result by the pooled standard deviation.

**McMaster University**  
**Seniors**

	N	Mean				Standard Error of the Mean <sup>b</sup>				Standard Deviation <sup>c</sup>				Degrees of Freedom <sup>d</sup>			Significance <sup>e</sup>			Effect Size <sup>f</sup>		
	McMaster	McMaster	Ontario	US Peers	NSSE 2011	McMaster	Ontario	US Peers	NSSE 2011	McMaster	Ontario	US Peers	NSSE 2011	Ontario	US Peers	NSSE 2011	Ontario	US Peers	NSSE 2011	Ontario	US Peers	NSSE 2011
READOWN	1,561	2.13	2.16	2.17	2.18	.03	.01	.01	.00	1.01	1.00	1.00	.99	29,151	18,855	377,426	.158	.086	.041	-.04	-.05	-.05
WRITEMOR	1,559	1.84	1.81	1.57	1.65	.02	.01	.01	.00	.87	.85	.77	.80	29,142	18,876	377,433	.211	.000	.000	.03	.35	.23
WRITEMID	1,562	2.75	2.76	2.49	2.56	.03	.01	.01	.00	1.01	.93	.95	.96	1,716	1,820	1,573	.625	.000	.000	-.01	.27	.20
WRITESML	1,558	2.77	2.59	3.03	2.92	.03	.01	.01	.00	1.06	1.07	1.14	1.15	29,160	1,897	1,572	.000	.000	.000	.17	-.23	-.14
PROBSETA	1,562	2.76	2.67	2.67	2.71	.03	.01	.01	.00	1.31	1.31	1.25	1.25	29,093	1,831	1,573	.008	.007	.128	.07	.07	.04
PROBSETB	1,557	2.01	1.98	2.34	2.34	.03	.01	.01	.00	1.14	1.14	1.24	1.24	29,007	1,903	1,571	.285	.000	.000	.03	-.27	-.26
EXAMS	1,561	5.22	5.20	5.41	5.44	.03	.01	.01	.00	1.35	1.38	1.28	1.28	29,138	18,845	377,703	.662	.000	.000	.01	-.15	-.17
ATDART07	1,552	1.86	1.91	2.01	1.99	.02	.01	.01	.00	.83	.87	.89	.91	28,960	18,689	373,969	.034	.000	.000	-.06	-.17	-.14
EXRCSE05	1,549	2.74	2.64	2.81	2.72	.03	.01	.01	.00	1.00	1.03	1.02	1.04	1,742	18,658	1,563	.000	.015	.384	.09	-.06	.02
WORSHPO5	1,543	1.74	1.69	2.11	2.03	.03	.01	.01	.00	1.02	.98	1.15	1.12	1,709	1,918	1,558	.054	.000	.000	.05	-.33	-.26
OWNVIEW	1,548	2.52	2.55	2.72	2.70	.02	.01	.01	.00	.93	.92	.90	.90	28,866	1,815	1,559	.120	.000	.000	-.04	-.22	-.20
OTHRVIEW	1,550	2.73	2.78	2.86	2.86	.02	.01	.01	.00	.89	.88	.86	.86	28,852	1,822	1,561	.066	.000	.000	-.05	-.15	-.15
CHNGVIEW	1,553	2.86	2.88	2.91	2.92	.02	.01	.01	.00	.84	.83	.82	.83	28,968	1,833	1,565	.368	.015	.003	-.02	-.07	-.08
INTERN04	1,548	.41	.40	.51	.49	.01	.00	.00	.00	.49	.49	.50	.50	28,731	1,852	1,561	.706	.000	.000	.01	-.20	-.17
VOLNTR04	1,544	.59	.55	.63	.59	.01	.00	.00	.00	.49	.50	.48	.49	1,728	1,826	368,764	.002	.002	.944	.08	-.08	.00
LRNCOM04	1,530	.19	.17	.27	.25	.01	.00	.00	.00	.39	.38	.45	.43	1,697	1,911	1,545	.212	.000	.000	.03	-.20	-.15
RESRCH04	1,541	.19	.15	.22	.19	.01	.00	.00	.00	.39	.36	.41	.39	1,693	1,866	369,576	.001	.006	.696	.09	-.07	-.01
FORLNG04	1,548	.17	.21	.51	.37	.01	.00	.00	.00	.37	.41	.50	.48	1,762	2,088	1,569	.000	.000	.000	-.10	-.69	-.43
STDABR04	1,536	.08	.10	.16	.14	.01	.00	.00	.00	.27	.30	.37	.35	1,765	2,101	1,557	.001	.000	.000	-.08	-.23	-.18
INDSTD04	1,538	.17	.12	.15	.16	.01	.00	.00	.00	.38	.33	.36	.37	1,673	1,805	1,549	.000	.108	.240	.14	.04	.03
SNRX04	1,548	.41	.20	.27	.30	.01	.00	.00	.00	.49	.40	.44	.46	1,665	1,784	1,558	.000	.000	.000	.52	.32	.23
ENVSTU	1,549	5.70	5.39	5.51	5.60	.03	.01	.01	.00	1.22	1.43	1.36	1.34	1,797	1,919	1,563	.000	.000	.001	.22	.14	.08
ENVFAC	1,546	5.16	5.04	5.23	5.41	.03	.01	.01	.00	1.32	1.41	1.37	1.36	28,750	18,469	1,559	.002	.059	.000	.08	-.05	-.18
ENVADM	1,551	4.66	4.33	4.44	4.62	.04	.01	.01	.00	1.57	1.71	1.67	1.68	1,767	1,886	1,565	.000	.000	.364	.19	.13	.02
ACADPR01	1,540	4.83	4.55	4.40	4.38	.05	.01	.01	.00	1.90	1.89	1.78	1.80	28,640	1,795	1,550	.000	.000	.000	.15	.24	.25
WORKON01	1,541	1.58	1.53	1.97	1.78	.03	.01	.01	.00	1.19	1.27	1.76	1.54	28,581	2,214	1,562	.119	.000	.000	.04	-.22	-.13
WORKOF01	1,538	2.26	2.79	3.26	3.42	.05	.01	.02	.00	1.94	2.25	2.61	2.71	1,780	2,085	1,562	.000	.000	.000	-.24	-.39	-.42
COCURR01	1,543	2.16	2.00	2.11	2.09	.04	.01	.01	.00	1.44	1.39	1.48	1.53	1,710	18,363	368,197	.000	.190	.098	.11	.03	.04

<sup>a</sup> All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.

<sup>b</sup> The 95% confidence interval for the population mean is equal to the sample mean plus/minus 1.96 times the standard error of the mean.

<sup>c</sup> A measure of the amount individual scores deviate from the mean of all the scores in the distribution.

<sup>d</sup> Degrees of freedom used to compute the t-tests. Values differ from the total Ns due to weighting and whether equal variances were assumed.

<sup>e</sup> Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

<sup>f</sup> Effect size is calculated by subtracting the comparison group mean from the school mean, then dividing the result by the pooled standard deviation.

**McMaster University**  
**Seniors**

	N					Standard Error of the Mean <sup>b</sup>				Standard Deviation <sup>c</sup>				Degrees of Freedom <sup>d</sup>			Significance <sup>e</sup>			Effect Size <sup>f</sup>		
	McMaster	McMaster	Ontario	US Peers	NSSE 2011	McMaster	Ontario	US Peers	NSSE 2011	McMaster	Ontario	US Peers	NSSE 2011	Ontario	US Peers	NSSE 2011	Ontario	US Peers	NSSE 2011	Ontario	US Peers	NSSE 2011
SOCIAL05	1,546	3.93	3.80	3.56	3.54	.04	.01	.01	.00	1.59	1.61	1.56	1.55	28,562	18,329	367,375	.002	.000	.000	.08	.24	.25
CAREDE01	1,544	1.64	1.95	2.24	2.36	.03	.01	.02	.00	1.29	1.66	2.18	2.25	1,851	2,448	1,583	.000	.000	.000	-.19	-.29	-.32
COMMUTE	1,545	2.55	2.69	2.44	2.43	.03	.01	.01	.00	1.01	1.11	1.00	1.09	1,765	1,835	367,993	.000	.000	.000	-.13	.10	.10
ENVSCHOL	1,538	3.19	3.17	3.12	3.16	.02	.00	.01	.00	.76	.77	.78	.77	28,402	18,232	364,907	.222	.001	.171	.03	.09	.04
ENVSUPRT	1,534	2.70	2.67	2.81	2.92	.02	.01	.01	.00	.82	.86	.86	.85	1,732	18,150	1,547	.191	.000	.000	.03	-.14	-.26
ENVDIVRS	1,537	2.33	2.25	2.43	2.51	.02	.01	.01	.00	.97	.99	.99	1.00	28,300	18,161	1,550	.003	.000	.000	.08	-.10	-.18
ENVNACAD	1,534	1.85	1.83	1.85	1.99	.02	.01	.01	.00	.90	.89	.89	.95	28,340	18,197	364,050	.345	.834	.000	.02	.01	-.14
ENVSOCAL	1,528	2.12	2.05	2.15	2.24	.02	.01	.01	.00	.88	.91	.92	.95	28,189	1,850	1,542	.002	.182	.000	.08	-.03	-.12
ENVEVENT	1,525	2.58	2.47	2.65	2.63	.02	.01	.01	.00	.87	.94	.94	.97	1,730	1,860	1,540	.000	.004	.031	.12	-.07	-.05
ENVCOMPT	1,535	3.39	3.26	3.44	3.43	.02	.01	.01	.00	.79	.87	.76	.77	1,754	1,803	1,546	.000	.009	.033	.14	-.07	-.06
NGNENLED	1,527	3.18	3.12	3.17	3.22	.02	.01	.01	.00	.82	.84	.82	.82	28,111	17,979	360,217	.009	.672	.087	.07	.01	-.04
GNWORK	1,518	2.71	2.71	2.93	3.02	.03	.01	.01	.00	.99	1.00	.96	.94	28,071	1,789	1,529	.895	.000	.000	.00	-.23	-.33
GNWRITE	1,531	3.06	3.00	3.03	3.09	.02	.01	.01	.00	.87	.89	.86	.86	28,119	17,983	360,471	.006	.121	.265	.07	.04	-.03
GNSPEAK	1,526	2.97	2.80	2.90	2.97	.02	.01	.01	.00	.91	.95	.90	.91	1,718	17,934	359,369	.000	.004	.804	.18	.08	-.01
GNANALY	1,520	3.42	3.32	3.32	3.36	.02	.00	.01	.00	.73	.77	.77	.76	1,723	1,854	359,532	.000	.000	.005	.12	.13	.07
GNQUANT	1,514	3.05	2.92	3.07	3.08	.02	.01	.01	.00	.88	.93	.89	.89	1,712	17,884	358,959	.000	.596	.361	.15	-.01	-.02
GNCMPTS	1,532	2.91	2.85	3.14	3.14	.02	.01	.01	.00	.96	.96	.87	.88	28,111	1,776	1,542	.016	.000	.000	.06	-.26	-.26
GNOTHERS	1,530	3.12	2.88	3.07	3.14	.02	.01	.01	.00	.86	.94	.88	.87	1,746	17,975	360,157	.000	.035	.327	.25	.06	-.03
GNCITIZN	1,523	1.86	1.84	2.05	2.04	.02	.01	.01	.00	.95	.97	1.02	1.04	27,938	1,863	1,538	.600	.000	.000	.01	-.19	-.18
GNINQ	1,520	3.24	3.07	3.01	3.06	.02	.01	.01	.00	.79	.87	.89	.88	27,904	17,772	355,919	.000	.000	.000	.19	.26	.20
GNSELF	1,513	2.82	2.75	2.74	2.83	.02	.01	.01	.00	.96	.98	1.00	.99	1,701	1,835	1,526	.009	.002	.656	.07	.08	-.01
GNDIVERS	1,513	2.58	2.52	2.58	2.64	.02	.01	.01	.00	.97	.98	.98	.99	27,907	17,786	356,209	.020	.902	.035	.06	.00	-.05
GNPROBSV	1,514	2.77	2.61	2.76	2.81	.02	.01	.01	.00	.93	.97	.95	.95	1,704	17,799	356,374	.000	.589	.162	.17	.01	-.04
GNETHICS	1,515	2.65	2.56	2.59	2.72	.03	.01	.01	.00	.98	1.01	1.04	1.03	1,703	1,843	1,528	.000	.026	.006	.09	.06	-.07
GNCOMMUN	1,521	2.37	2.25	2.40	2.47	.03	.01	.01	.00	1.00	.99	1.00	1.02	1,694	17,782	1,533	.000	.190	.000	.12	-.04	-.10
GNSPIRIT	1,520	1.71	1.64	1.73	1.89	.02	.01	.01	.00	.97	.93	.99	1.08	1,685	17,792	1,535	.007	.377	.000	.07	-.02	-.18
ADVISE	1,525	2.87	2.74	2.81	2.90	.02	.01	.01	.00	.85	.91	.96	.93	1,733	1,907	1,540	.000	.018	.080	.14	.06	-.04
ENTIREXP	1,526	3.15	3.00	3.15	3.20	.02	.01	.01	.00	.77	.82	.76	.76	28,135	17,955	359,838	.000	.965	.015	.18	.00	-.06
SAMECOLL	1,526	3.17	3.03	3.20	3.20	.02	.01	.01	.00	.84	.92	.86	.86	28,157	17,959	1,539	.000	.106	.183	.15	-.04	-.03

<sup>a</sup> All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.

<sup>b</sup> The 95% confidence interval for the population mean is equal to the sample mean plus/minus 1.96 times the standard error of the mean.

<sup>c</sup> A measure of the amount individual scores deviate from the mean of all the scores in the distribution.

<sup>d</sup> Degrees of freedom used to compute the t-tests. Values differ from the total Ns due to weighting and whether equal variances were assumed.

<sup>e</sup> Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

<sup>f</sup> Effect size is calculated by subtracting the comparison group mean from the school mean, then dividing the result by the pooled standard deviation.

NSSE 2011 Mean Comparisons <sup>a</sup>  
Ontario Universities Consortium  
McMaster University

McMaster

McMaster compared with  
Ontario

**Ontario Universities Consortium Questions**

Refer to the Ontario consortium codebook for response option values.

	Variable	Class	Mean	Mean	Sig <sup>b</sup>	Effect size <sup>c</sup>
<b>Please indicate the degree to which the following factors pose,</b>						
<b>1. or have posed, an obstacle to your academic progress:</b>						
1a. Financial pressures or work obligations	ONT1101A	FY	2.04	2.10 **		-.08
		SR	2.05	2.17 ***		-.15
1b. Personal or family problems	ONT1101B	FY	1.73	1.74		-.02
		SR	1.76	1.83 ***		-.09
1c. Your academic performance at university	ONT1101C	FY	2.00	2.00		.00
		SR	1.85	1.82		.04
1d. Course availability/scheduling	ONT1101D	FY	1.93	1.79 ***		.20
		SR	2.11	2.06 *		.06
1e. Lack of good academic advising	ONT1101E	FY	1.55	1.59		-.05
		SR	1.67	1.78 ***		-.15
1f. Difficulties with academic regulations	ONT1101F	FY	1.42	1.42		.00
		SR	1.43	1.50 ***		-.10
1g. Language/cultural barriers	ONT1101G	FY	1.27	1.25		.04
		SR	1.21	1.22		-.03
1h. Difficulties associated with a disability or chronic health condition	ONT1101H	FY	1.18	1.17		.02
		SR	1.15	1.20 ***		-.10
1i. Primary care giving responsibilities for a dependent	ONT1101I	FY	1.14	1.15		-.02
		SR	1.11	1.16 ***		-.10
2. My professors make students aware of their research activity and apply their research to their teaching.	ONT1102	FY	2.84	2.82		.02
		SR	2.85	2.80 *		.06
3. From the list below, please check up to 2 items you believe your university <b>most needs to address</b> to improve the student academic/learning experience <b>in the classroom.</b>	ONT1103 <sup>d</sup>	FY				
		SR				

<sup>a</sup> Weighted by gender and enrollment status (and size for comparisons)

<sup>b</sup> \* p<.05, \*\* p<.01, \*\*\*p<.001

<sup>c</sup> Mean difference divided by the pooled SD

<sup>d</sup> Resp. set is categorical

**NSSE 2011 Mean Comparisons <sup>a</sup>**  
**Ontario Universities Consortium**  
**McMaster University**

McMaster	<i>McMaster compared with</i> <b>Ontario</b>
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**Ontario Universities Consortium Questions**

*Refer to the Ontario consortium codebook for response option values.*

	<i>Variable</i>	<i>Class</i>	<i>Mean</i>	<i>Mean</i>	<i>Sig <sup>b</sup></i>	<i>Effect size <sup>c</sup></i>
<b>4.</b>	From the list below, please check up to 2 items you believe your university <b>most needs to address</b> to improve the student academic/learning experience <b>outside the classroom.</b>	ONT1104 <sup>d</sup>	FY			
			SR			
<b>5.</b>	While enrolled at this institution, where have you experienced a sense of community on campus (i.e. felt you were part of a group that shares common interests, goals, values, and experiences)? (Check all that apply.)	ONT1105 <sup>d</sup>	FY			
			SR			
<b>6.</b>	<b>Please rate the quality of the information you received from the university in the summer preceding, and during the first few weeks of classes this year, with respect to:</b>					
6a.	The content and focus of your academic program	ONT1106A	FY	3.68	3.65	.03
			SR	3.59	3.52 *	.06
6b.	How you would be evaluated in your courses (tests, assignments, etc.)	ONT1106B	FY	3.31	3.35	-.03
			SR	3.59	3.56	.03
6c.	The level of difficulty to expect in your courses	ONT1106C	FY	3.17	3.22	-.05
			SR	3.25	3.26	-.02
6d.	How to access learning and study support services	ONT1106D	FY	3.28	3.41 ***	-.13
			SR	3.20	3.19	.01
6e.	The structure and requirements of your co-op program (if applicable)	ONT1106E	FY	3.18	3.31 **	-.12
			SR	3.30	3.30	.01
6f.	The cost of attending university	ONT1106F	FY	3.36	3.30	.05
			SR	3.19	2.98 ***	.16
6g.	The availability of financial aid (OSAP, scholarships, bursaries, etc.)	ONT1106G	FY	3.30	3.32	-.02
			SR	3.07	2.94 ***	.11

<sup>a</sup> Weighted by gender and enrollment status (and size for comparisons)

<sup>b</sup> \* p<.05, \*\* p<.01, \*\*\*p<.001

<sup>c</sup> Mean difference divided by the pooled SD

<sup>d</sup> Resp. set is categorical

**NSSE 2011 Mean Comparisons <sup>a</sup>**  
**Ontario Universities Consortium**  
**McMaster University**

McMaster	<i>McMaster compared with</i> <b>Ontario</b>
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**Ontario Universities Consortium Questions**

*Refer to the Ontario consortium codebook for response option values.*

	<i>Variable</i>	<i>Class</i>	<i>Mean</i>	<i>Mean</i>	<i>Sig <sup>b</sup></i>	<i>Effect size <sup>c</sup></i>
6h. Common academic problems faced by students in your year and program	ONT1106H	FY	3.28	3.17	***	.10
		SR	2.73	2.65	**	.07
6i. How to access personal support services (counselling, etc.)	ONT1106I	FY	3.13	3.24	***	-.10
		SR	2.75	2.78		-.02
6j. Career opportunities after graduation	ONT1106J	FY	3.01	2.93	*	.07
		SR	2.69	2.59	**	.08
6k. What to expect of interactions with instructors inside and outside the classroom	ONT1106K	FY	3.07	3.07		.01
		SR	2.96	2.89	*	.06
7. Do you live in residence?	ONT1107 <sup>d</sup>	FY				
		SR				
8. About how many hours do you spend in a typical week on your university's campus, outside of time spent in class?	ONT1108	FY	2.46	2.12	***	.30
		SR	2.51	2.25	***	.21
9. Where are you currently living?	ONT1109 <sup>d</sup>	FY				
		SR				
10. Please select your most frequently used form of transportation between your place of lodging and the university.	ONT1110 <sup>d</sup>	FY				
		SR				
11. For your most frequently used form of transportation between your place of lodging and the university, select how long the trip normally takes (one way).	ONT1111	FY	2.07	2.37	***	-.25
		SR	1.59	2.02	***	-.38

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<sup>a</sup> Weighted by gender and enrollment status (and size for comparisons)

<sup>b</sup> \* p<.05, \*\* p<.01, \*\*\*p<.001

<sup>c</sup> Mean difference divided by the pooled SD

<sup>d</sup> Resp. set is categorical

**First-Year Students**

**Seniors**

	First-Year Students										Seniors									
	N	Mean	Standard Error of the Mean <sup>b</sup>		Standard deviation <sup>c</sup>		DF <sup>d</sup>	Sig. <sup>e</sup>	Effect size <sup>f</sup>	N	Mean	Standard Error of the Mean <sup>b</sup>		Standard deviation <sup>c</sup>		DF <sup>d</sup>	Sig. <sup>e</sup>	Effect size <sup>f</sup>		
	McMaster	McMaster	Ontario	McMaster	Ontario	McMaster	Ontario	Ontario		McMaster	McMaster	Ontario	McMaster	Ontario	McMaster	Ontario	Ontario			
	<i>McMaster compared with Ontario</i>																			
ONT1101A	1479	2.04	2.10	.02	.01	.78	.77	23160	.005	-.08	1463	2.05	2.17	.02	.00	.77	.77	1637	.000	-.15
ONT1101B	1470	1.73	1.74	.02	.01	.75	.74	23046	.479	-.02	1455	1.76	1.83	.02	.00	.75	.77	26655	.001	-.09
ONT1101C	1478	2.00	2.00	.02	.01	.77	.76	23094	.997	.00	1457	1.85	1.82	.02	.00	.76	.77	1634	.093	.04
ONT1101D	1475	1.93	1.79	.02	.00	.72	.70	1670	.000	.20	1460	2.11	2.06	.02	.00	.71	.71	26742	.021	.06
ONT1101E	1478	1.55	1.59	.02	.00	.69	.69	23114	.052	-.05	1464	1.67	1.78	.02	.00	.71	.76	1663	.000	-.15
ONT1101F	1466	1.42	1.42	.02	.00	.64	.63	23065	.954	.00	1462	1.43	1.50	.02	.00	.63	.68	1662	.000	-.10
ONT1101G	1477	1.27	1.25	.01	.00	.56	.53	1662	.197	.04	1458	1.21	1.22	.01	.00	.49	.51	1639	.248	-.03
ONT1101H	1476	1.18	1.17	.01	.00	.48	.47	23081	.531	.02	1460	1.15	1.20	.01	.00	.44	.51	1696	.000	-.10
ONT1101I	1471	1.14	1.15	.01	.00	.42	.42	23059	.463	-.02	1460	1.11	1.16	.01	.00	.37	.45	1720	.000	-.10
ONT1102	1325	2.84	2.82	.02	.01	.77	.75	20105	.397	.02	1374	2.85	2.80	.02	.01	.77	.80	1547	.019	.06
ONT1103 <sup>g</sup>																				
ONT1104 <sup>g</sup>																				
ONT1105 <sup>g</sup>																				
ONT1106A	1423	3.68	3.65	.03	.01	.96	.97	21974	.285	.03	1349	3.59	3.52	.03	.01	.99	1.02	24615	.027	.06
ONT1106B	1415	3.31	3.35	.03	.01	1.07	1.04	21909	.230	-.03	1378	3.59	3.56	.03	.01	.97	1.01	1555	.294	.03
ONT1106C	1415	3.17	3.22	.03	.01	1.06	1.04	21915	.101	-.05	1371	3.25	3.26	.03	.01	1.00	1.03	24986	.502	-.02
ONT1106D	1400	3.28	3.41	.03	.01	1.07	1.02	21789	.000	-.13	1339	3.20	3.19	.03	.01	1.02	1.05	24460	.815	.01

<sup>a</sup> All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.

<sup>b</sup> The 95% confidence interval for the population mean is equal to the sample mean plus/minus 1.96 times the standard error of the mean.

<sup>c</sup> A measure of the amount individual scores deviate from the mean of all the scores in the distribution.

<sup>d</sup> Degrees of freedom used to compute the t-tests. Values differ from the total Ns due to weighting and whether equal variance were assumed.

<sup>e</sup> Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

<sup>f</sup> Effect size is calculated by subtracting the comparison group mean from the school mean, then dividing the result by the pooled standard deviation.

<sup>g</sup> Response set is categorical.

**First-Year Students**

**Seniors**

	First-Year Students									Seniors										
	N	Mean	Standard Error of the Mean <sup>b</sup>		Standard deviation <sup>c</sup>		DF <sup>d</sup>	Sig. <sup>e</sup>	Effect size <sup>f</sup>	N	Mean	Standard Error of the Mean <sup>b</sup>		Standard deviation <sup>c</sup>		DF <sup>d</sup>	Sig. <sup>e</sup>	Effect size <sup>f</sup>		
	McMaster	McMaster	Ontario	McMaster	Ontario	McMaster	Ontario	Ontario		McMaster	McMaster	Ontario	McMaster	Ontario	McMaster	Ontario	Ontario			
	<i>McMaster compared with Ontario</i>									<i>McMaster compared with Ontario</i>										
ONT1106E	706	3.18	3.31	.04	.01	1.17	1.11	10921	.002	-.12	590	3.30	3.30	.05	.01	1.19	1.15	10307	.885	.01
ONT1106F	1407	3.36	3.30	.03	.01	1.22	1.24	21679	.063	.05	1356	3.19	2.98	.03	.01	1.20	1.25	24589	.000	.16
ONT1106G	1336	3.30	3.32	.03	.01	1.17	1.17	20547	.438	-.02	1236	3.07	2.94	.03	.01	1.22	1.22	22187	.000	.11
ONT1106H	1401	3.28	3.17	.03	.01	1.05	1.08	21450	.001	.10	1335	2.73	2.65	.03	.01	1.11	1.13	1501	.007	.07
ONT1106I	1397	3.13	3.24	.03	.01	1.07	1.07	21442	.000	-.10	1316	2.75	2.78	.03	.01	1.09	1.12	23809	.441	-.02
ONT1106J	1363	3.01	2.93	.03	.01	1.11	1.13	1570	.010	.07	1369	2.69	2.59	.03	.01	1.16	1.19	24529	.004	.08
ONT1106K	1398	3.07	3.07	.03	.01	1.07	1.07	21470	.836	.01	1342	2.96	2.89	.03	.01	1.05	1.12	1521	.017	.06
ONT1107 <sup>g</sup>																				
ONT1108	674	2.46	2.12	.05	.01	1.25	1.13	739	.000	.30	1382	2.51	2.25	.03	.01	1.26	1.23	1541	.000	.21
ONT1109 <sup>g</sup>																				
ONT1110 <sup>g</sup>																				
ONT1111	671	2.07	2.37	.04	.01	1.02	1.18	778	.000	-.25	1378	1.59	2.02	.02	.01	.91	1.16	1650	.000	-.38

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<sup>a</sup> All statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size.

<sup>b</sup> The 95% confidence interval for the population mean is equal to the sample mean plus/minus 1.96 times the standard error of the mean.

<sup>c</sup> A measure of the amount individual scores deviate from the mean of all the scores in the distribution.

<sup>d</sup> Degrees of freedom used to compute the t-tests. Values differ from the total Ns due to weighting and whether equal variance were assumed.

<sup>e</sup> Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

<sup>f</sup> Effect size is calculated by subtracting the comparison group mean from the school mean, then dividing the result by the pooled standard deviation.

<sup>g</sup> Response set is categorical.

# Interpreting the Frequency Distributions Report

## 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

## Variable Names

The name of each variable appears in the first column for easy reference to your raw data file and the *Mean Comparisons* report.

## Weighting

Weights adjusting for gender and enrollment status (and by institutional size for comparison groups) are applied to the percentage column (%) of this report. Weights are computed separately for first-year students and seniors. Weighted results present a more accurate representation of your institution and comparison group students. *Only the column percents are weighted. The counts are the actual number of respondents. Because the counts are unweighted and the column percentages are weighted, you will not be able to calculate the column percent directly from the count numbers.* Additional details about weighting can be found on the NSSE Web site. [nsse.iub.edu/links/institutional\\_reporting](http://nsse.iub.edu/links/institutional_reporting)

## Sample

The *Frequency Distributions* report is based on information from all randomly selected or census-administered students for both your institution and your comparison institutions. Targeted and locally administered oversamples and other non-randomly selected students are not included.

## Class

Frequency distributions are reported separately for first-year students and seniors. Institution-reported class ranks are used.

NSSE 2011 Engagement Item Frequency Distributions<sup>a</sup>

NSSEville State University

Variable	Response Options	First-Year Students								Seniors								
		NSSEville State		Mid East Private		Carnegie Class		NSSE 2011		NSSEville State		Mid East Private		Carnegie Class		NSSE 2011		
		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
b. Asked questions in class or contributed to class discussions	CLQUEST (ACL)	Never	15	2%	211	2%	1,248	3%	4,922	3%	9	1%	124	1%	901	2%	3,538	2%
		Sometimes	300	32%	2,905	34%	14,781	35%	57,335	35%	203	19%	2,088	22%	12,633	23%	46,587	25%
		Often	333	37%	2,967	35%	15,134	36%	57,083	35%	321	32%	3,048	33%	17,608	33%	60,869	32%
		Very often	263	29%	2,079	29%	11,163	26%	44,027	27%	487	49%	4,058	44%	23,086	42%	81,914	41%
		Total	911	100%	8,162	100%	42,326	100%	163,367	100%	1,020	100%	9,318	100%	54,228	100%	192,908	100%
b. Made a class presentation	CLPRESEN (ACL)	Never	80	9%	775	9%	5,215	13%	21,742	14%	24	2%	277	3%	2,779	5%	10,865	6%
		Sometimes	541	59%	4,202	50%	21,727	50%	85,258	51%	310	30%	2,761	30%	16,041	30%	62,084	33%
		Often	240	27%	2,406	30%	11,642	28%	42,552	26%	438	43%	3,688	39%	20,570	37%	71,247	36%
		Very often	47	5%	802	11%	3,780	9%	13,872	9%	255	24%	2,638	28%	15,083	27%	49,267	25%
Total	908	100%	8,185	100%	42,364	100%	163,424	100%	1,027	100%	9,364	100%	54,473	100%	193,463	100%		
c. Prepared two or more papers or assignments before turning in	REWROPAP	Never	137	15%	960	11%	4,445	11%	20,566	13%	199	20%	1,624	16%	7,821	14%	30,644	16%
		Sometimes	346	39%	2,658	32%	12,162	29%	49,181	30%	384	38%	3,644	38%	19,675	36%	72,374	37%
		Often	282	31%	2,709	33%	14,262	34%	52,973	33%	268	26%	2,451	27%	15,467	29%	52,575	28%
		Very often	145	15%	1,803	25%	11,341	27%	40,180	25%	176	17%	1,628	18%	11,403	21%	37,522	20%
Total	910	100%	8,130	100%	42,210	100%	162,900	100%	1,027	100%	9,347	100%	54,366	100%	193,115	100%		
d. Worked on a paper or project that required integrating ideas or information from various sources	INTEGRAT	Never	12	1%	133	2%	805	2%	3,275	2%	4	0%	88	1%	584	1%	2,004	1%
		Sometimes	189	21%	1,558	19%	7,790	19%	30,757	19%	79	8%	1,045	12%	5,944	11%	22,154	12%
		Often	438	48%	3,796	46%	18,693	44%	71,661	43%	388	38%	3,565	38%	20,389	38%	71,169	37%
		Very often	272	29%	2,696	33%	15,110	35%	57,856	35%	551	54%	4,669	49%	27,625	50%	98,358	50%
Total	911	100%	8,183	100%	42,398	100%	163,549	100%	1,027	100%	9,367	100%	54,542	100%	193,685	100%		
e. Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing	DIVCLASS	Never	66	7%	516	6%	2,614	7%	10,590	7%	52	5%	542	6%	3,288	7%	12,973	7%
		Sometimes	319	35%	2,548	30%	12,747	30%	50,123	31%	306	30%	2,780	29%	15,326	28%	56,316	29%
		Often	359	40%	3,248	39%	16,448	38%	62,783	38%	360	34%	3,253	35%	18,995	35%	66,376	34%
		Very often	160	17%	1,865	25%	10,544	25%	39,804	24%	308	30%	2,780	30%	16,844	30%	57,710	29%
Total	904	100%	8,177	100%	42,353	100%	163,300	100%	1,026	100%	9,355	100%	54,453	100%	193,375	100%		

## Response Options

Response options are listed as they appear on the instrument.

## Column Percentage (%)

This column presents the *weighted* percentage of students responding to the particular option in each question.

## Count

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

**NSSE 2011 Engagement Item Frequency Distributions <sup>a</sup>**  
**McMaster University**

			First-Year Students								Seniors								
			McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011		
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
1a.	Asked questions in class or contributed to class discussions	CLQUEST (ACL)	Never	295	17%	4,455	16%	449	6%	14,742	6%	131	8%	1,758	7%	322	3%	7,917	3%
Sometimes			904	51%	13,661	51%	3,576	43%	94,578	39%	698	44%	9,620	39%	3,218	32%	76,307	28%	
Often			372	21%	5,847	22%	2,645	32%	76,594	32%	403	25%	6,606	27%	3,297	32%	85,166	31%	
Very often			194	11%	2,892	11%	1,554	19%	55,667	23%	361	23%	6,069	26%	3,436	33%	108,369	38%	
Total		1,765	100%	26,855	100%	8,224	100%	241,581	100%	1,593	100%	24,053	100%	10,273	100%	277,759	100%		
1b.	Made a class presentation	CLPRESEN (ACL)	Never	359	21%	11,443	43%	1,538	19%	48,974	20%	105	7%	2,225	10%	783	8%	17,914	7%
Sometimes			1,032	58%	11,465	43%	4,603	54%	120,371	50%	620	39%	10,034	41%	4,097	40%	95,080	35%	
Often			309	17%	3,054	12%	1,619	21%	54,133	22%	574	36%	7,449	31%	3,427	33%	98,126	35%	
Very often			68	4%	871	3%	449	6%	17,717	8%	298	19%	4,315	18%	1,952	19%	66,586	23%	
Total		1,768	100%	26,833	100%	8,209	100%	241,195	100%	1,597	100%	24,023	100%	10,259	100%	277,706	100%		
1c.	Prepared two or more drafts of a paper or assignment before turning it in	REWROPAP	Never	477	27%	6,117	23%	1,397	17%	37,640	15%	409	26%	5,821	25%	2,116	20%	49,770	18%
Sometimes			626	36%	9,289	35%	2,687	32%	75,086	31%	587	37%	8,508	35%	3,924	37%	102,279	37%	
Often			407	23%	7,408	28%	2,627	33%	75,519	32%	354	23%	5,526	23%	2,534	26%	72,817	26%	
Very often			244	14%	3,925	14%	1,464	19%	52,254	22%	244	15%	4,108	17%	1,673	17%	52,159	19%	
Total		1,754	100%	26,739	100%	8,175	100%	240,499	100%	1,594	100%	23,963	100%	10,247	100%	277,025	100%		
1d.	Worked on a paper or project that required integrating ideas or information from various sources	INTEGRAT	Never	45	3%	1,311	5%	286	4%	6,638	3%	22	2%	289	1%	149	2%	3,358	1%
Sometimes			412	24%	6,253	24%	1,963	23%	49,059	21%	167	11%	2,622	11%	1,517	15%	32,432	13%	
Often			682	39%	10,759	40%	3,604	44%	102,451	42%	472	30%	7,618	32%	3,998	39%	99,680	36%	
Very often			623	35%	8,569	31%	2,346	29%	83,222	34%	935	58%	13,507	55%	4,602	44%	142,328	50%	
Total		1,762	100%	26,892	100%	8,199	100%	241,370	100%	1,596	100%	24,036	100%	10,266	100%	277,798	100%		
1e.	Included diverse perspectives (different races, religions, genders, political beliefs, etc.) in class discussions or writing assignments	DIVCLASS	Never	320	19%	4,791	19%	685	9%	23,577	10%	253	16%	3,125	14%	913	10%	23,933	9%
Sometimes			561	32%	8,779	33%	2,697	33%	76,268	31%	538	34%	7,261	30%	3,200	31%	81,516	30%	
Often			527	30%	8,365	31%	3,113	37%	87,332	36%	440	28%	7,381	31%	3,496	34%	92,705	33%	
Very often			355	20%	4,846	18%	1,693	21%	53,786	22%	362	22%	6,203	26%	2,631	25%	79,072	28%	
Total		1,763	100%	26,781	100%	8,188	100%	240,963	100%	1,593	100%	23,970	100%	10,240	100%	277,226	100%		
1f.	Come to class without completing readings or assignments	CLUNPREP	Never	253	14%	4,304	17%	1,747	20%	60,461	25%	202	13%	3,169	14%	1,693	17%	56,380	20%
Sometimes			888	50%	14,365	53%	4,672	57%	133,590	55%	812	51%	12,840	53%	5,777	56%	156,427	56%	
Often			435	25%	5,663	21%	1,256	16%	32,957	14%	369	23%	5,324	22%	1,901	19%	44,162	16%	
Very often			189	11%	2,540	9%	523	7%	14,313	6%	214	14%	2,740	12%	892	9%	20,938	8%	
Total		1,765	100%	26,872	100%	8,198	100%	241,321	100%	1,597	100%	24,073	100%	10,263	100%	277,907	100%		
1g.	Worked with other students on projects <b>during class</b>	CLASSGRP (ACL)	Never	497	28%	8,563	32%	1,261	14%	39,917	16%	447	28%	6,449	27%	1,395	13%	36,654	13%
Sometimes			720	41%	10,424	39%	3,484	43%	100,587	41%	682	42%	10,301	42%	4,289	41%	111,688	40%	
Often			393	23%	5,779	21%	2,578	32%	72,939	31%	328	21%	4,784	20%	3,029	30%	82,451	30%	
Very often			151	9%	2,078	8%	875	11%	27,825	12%	143	9%	2,482	11%	1,563	16%	47,019	17%	
Total		1,761	100%	26,844	100%	8,198	100%	241,268	100%	1,600	100%	24,016	100%	10,276	100%	277,812	100%		

<sup>a</sup> Column percentages are weighted by gender and enrollment status (and size for comparisons). Counts are not weighted so one cannot calculate column percentages from counts.

**NSSE 2011 Engagement Item Frequency Distributions <sup>a</sup>**  
**McMaster University**

			First-Year Students								Seniors								
			McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011		
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
1h.	Worked with classmates outside of class to prepare class assignments	OCCGRP	Never	126	7%	4,392	17%	989	13%	32,014	15%	95	6%	2,133	9%	805	8%	21,232	8%
		(ACL)	Sometimes	458	26%	9,137	34%	3,575	42%	93,825	39%	385	24%	7,110	30%	3,332	33%	85,481	31%
			Often	654	37%	8,461	31%	2,549	31%	77,829	31%	519	32%	7,462	31%	3,345	32%	94,410	33%
			Very often	535	30%	4,974	19%	1,108	14%	38,466	15%	605	38%	7,418	30%	2,816	27%	77,506	27%
			Total		1,773	100%	26,964	100%	8,221	100%	242,134	100%	1,604	100%	24,123	100%	10,298	100%	278,629
1i.	Put together ideas or concepts from different courses when completing assignments or during class discussions	INTIDEAS	Never	101	6%	1,753	7%	438	6%	14,387	7%	35	2%	657	3%	272	3%	7,741	3%
			Sometimes	592	35%	9,776	38%	3,019	39%	86,348	38%	438	28%	6,269	27%	2,741	28%	68,300	26%
			Often	677	40%	9,755	38%	3,130	40%	89,677	39%	693	44%	10,024	43%	4,193	42%	114,848	42%
			Very often	333	19%	4,424	17%	1,174	15%	39,186	17%	409	26%	6,494	27%	2,723	27%	78,424	29%
			Total		1,703	100%	25,708	100%	7,761	100%	229,598	100%	1,575	100%	23,444	100%	9,929	100%	269,313
1j.	Tutored or taught other students (paid or voluntary)	TUTOR	Never	777	45%	13,816	53%	3,831	48%	119,337	52%	714	45%	11,422	49%	4,446	45%	120,646	45%
		(ACL)	Sometimes	606	36%	8,052	31%	2,631	34%	74,357	32%	505	33%	7,687	32%	3,402	34%	90,856	33%
			Often	216	13%	2,794	11%	910	12%	25,483	11%	187	12%	2,751	12%	1,248	12%	33,257	12%
			Very often	98	6%	1,100	4%	401	5%	10,941	5%	165	11%	1,605	7%	838	9%	25,048	9%
			Total		1,697	100%	25,762	100%	7,773	100%	230,118	100%	1,571	100%	23,465	100%	9,934	100%	269,807
1k.	Participated in a community- based project (e.g. service learning) as part of a regular course	COMMPROJ	Never	1,248	74%	19,717	77%	4,846	61%	145,423	64%	1,063	68%	15,852	69%	5,459	56%	143,754	55%
		(ACL)	Sometimes	263	16%	4,045	16%	1,822	24%	54,272	23%	332	21%	4,755	20%	2,798	28%	77,402	28%
			Often	107	6%	1,317	5%	752	10%	20,313	9%	107	7%	1,727	7%	1,024	10%	29,780	11%
			Very often	70	4%	497	2%	301	4%	8,597	4%	57	3%	997	4%	578	6%	17,617	6%
			Total		1,688	100%	25,576	100%	7,721	100%	228,605	100%	1,559	100%	23,331	100%	9,859	100%	268,553
1l.	Used an electronic medium (listserv, chat group, Internet, instant messaging, etc.) to discuss or complete an assignment	ITACADEM	Never	106	6%	3,184	13%	985	13%	32,643	15%	104	7%	2,295	10%	821	9%	26,378	10%
		(EEE)	Sometimes	406	24%	7,770	30%	2,305	29%	68,327	30%	411	26%	6,598	28%	2,566	26%	72,588	27%
			Often	526	31%	7,685	30%	2,261	29%	66,326	29%	451	29%	6,606	28%	2,826	28%	74,973	28%
			Very often	669	39%	7,136	28%	2,230	29%	62,869	27%	609	38%	7,989	33%	3,727	36%	96,103	36%
			Total		1,707	100%	25,775	100%	7,781	100%	230,165	100%	1,575	100%	23,488	100%	9,940	100%	270,042
1m.	Used e-mail to communicate with an instructor	EMAIL	Never	88	5%	1,320	5%	77	1%	4,572	2%	14	1%	192	1%	33	0%	1,456	1%
			Sometimes	640	38%	8,555	34%	1,452	19%	48,913	22%	265	17%	3,880	18%	1,145	12%	32,009	13%
			Often	524	31%	8,666	33%	2,883	37%	80,712	35%	540	35%	7,655	33%	2,987	31%	80,017	30%
			Very often	446	25%	7,204	27%	3,360	43%	95,671	40%	757	47%	11,705	48%	5,749	56%	156,072	56%
			Total		1,698	100%	25,745	100%	7,772	100%	229,868	100%	1,576	100%	23,432	100%	9,914	100%	269,554
1n.	Discussed grades or assignments with an instructor	FACGRADE	Never	504	29%	6,669	26%	793	10%	26,980	11%	203	13%	2,639	11%	584	6%	15,626	6%
		(SFI)	Sometimes	754	45%	11,786	46%	3,439	43%	96,362	42%	769	49%	10,993	47%	3,964	39%	100,059	37%
			Often	317	19%	5,037	20%	2,294	30%	66,865	29%	385	24%	6,135	26%	3,154	32%	86,066	32%
			Very often	125	7%	2,256	9%	1,238	17%	39,575	17%	219	14%	3,699	15%	2,220	22%	67,861	25%
			Total		1,700	100%	25,748	100%	7,764	100%	229,782	100%	1,576	100%	23,466	100%	9,922	100%	269,612

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**NSSE 2011 Engagement Item Frequency Distributions <sup>a</sup>**  
**McMaster University**

			First-Year Students								Seniors								
			McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011		
	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	908	53%	14,619	57%	1,825	23%	69,501	30%	521	33%	8,080	36%	1,940	21%	53,597	21%
Sometimes			537	32%	7,687	30%	3,547	46%	96,205	42%	684	44%	9,561	40%	4,351	43%	108,798	41%	
Often			183	11%	2,465	10%	1,693	22%	43,539	19%	248	16%	3,833	16%	2,285	23%	63,910	23%	
Very often			69	4%	943	4%	696	9%	20,515	9%	125	8%	1,976	8%	1,331	13%	43,286	15%	
Total		1,697	100%	25,714	100%	7,761	100%	229,760	100%	1,578	100%	23,450	100%	9,907	100%	269,591	100%		
1p.	Discussed ideas from your readings or classes with faculty members outside of class	FACIDEAS (SFI)	Never	886	51%	13,591	52%	3,511	45%	101,379	44%	650	41%	8,990	39%	3,338	34%	83,472	32%
Sometimes			512	31%	8,132	32%	2,823	36%	83,443	36%	615	39%	9,479	40%	4,330	43%	113,804	42%	
Often			214	13%	2,889	12%	1,046	14%	31,382	14%	218	14%	3,478	15%	1,502	15%	46,772	17%	
Very often			95	6%	1,166	5%	405	6%	13,937	6%	90	6%	1,553	7%	773	8%	26,060	10%	
Total		1,707	100%	25,778	100%	7,785	100%	230,141	100%	1,573	100%	23,500	100%	9,943	100%	270,108	100%		
1q.	Received prompt written or oral feedback from faculty on your academic performance	FACFEED (SFI)	Never	388	23%	4,870	20%	617	8%	23,070	10%	219	15%	2,485	12%	558	6%	16,087	7%
Sometimes			710	42%	10,742	42%	2,941	38%	80,560	36%	623	40%	9,217	40%	3,526	36%	82,989	32%	
Often			442	26%	7,394	29%	3,028	40%	85,430	37%	547	35%	8,678	36%	4,138	41%	114,052	42%	
Very often			143	9%	2,296	9%	1,046	14%	37,133	16%	173	11%	2,870	12%	1,585	16%	53,779	19%	
Total		1,683	100%	25,302	100%	7,632	100%	226,193	100%	1,562	100%	23,250	100%	9,807	100%	266,907	100%		
1r.	Worked harder than you thought you could to meet an instructor's standards or expectations	WORKHARD (LAC)	Never	209	13%	2,741	11%	556	8%	15,790	7%	127	9%	1,761	8%	706	8%	15,591	6%
Sometimes			680	40%	10,024	40%	2,852	37%	78,702	35%	590	38%	8,712	38%	3,539	37%	88,419	34%	
Often			567	34%	8,983	35%	2,956	39%	88,467	39%	598	38%	8,693	37%	3,684	37%	103,800	39%	
Very often			222	13%	3,540	14%	1,265	16%	42,903	19%	247	16%	4,053	17%	1,852	19%	58,698	22%	
Total		1,678	100%	25,288	100%	7,629	100%	225,862	100%	1,562	100%	23,219	100%	9,781	100%	266,508	100%		
1s.	Worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.)	FACOTHER (SFI)	Never	1,158	69%	18,053	71%	4,505	59%	135,637	60%	925	59%	13,489	60%	4,829	51%	128,166	50%
Sometimes			345	21%	4,741	19%	2,027	26%	57,265	25%	411	27%	5,883	25%	2,985	29%	78,672	29%	
Often			128	8%	1,742	7%	777	11%	22,753	10%	144	9%	2,435	10%	1,278	13%	36,252	13%	
Very often			37	2%	610	3%	289	4%	9,472	4%	78	5%	1,329	5%	671	7%	22,873	8%	
Total		1,668	100%	25,146	100%	7,598	100%	225,127	100%	1,558	100%	23,136	100%	9,763	100%	265,963	100%		
1t.	Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)	OOCIDEAS (ACL)	Never	75	5%	1,401	6%	418	6%	13,161	6%	55	4%	994	5%	389	4%	10,151	4%
Sometimes			513	31%	7,920	32%	2,727	37%	74,929	34%	522	34%	7,111	31%	3,066	32%	79,933	31%	
Often			621	37%	9,212	36%	2,799	36%	81,785	36%	585	37%	8,458	36%	3,633	37%	98,579	37%	
Very often			474	28%	6,743	26%	1,680	21%	55,900	24%	398	25%	6,665	28%	2,705	27%	77,902	29%	
Total		1,683	100%	25,276	100%	7,624	100%	225,775	100%	1,560	100%	23,228	100%	9,793	100%	266,565	100%		
1u.	Had serious conversations with students of a different race or ethnicity than your own	DIVRSTUD (EEE)	Never	243	15%	3,853	15%	1,139	15%	36,350	17%	150	10%	2,714	12%	1,164	12%	33,772	13%
Sometimes			452	27%	7,272	29%	2,355	31%	71,631	32%	425	27%	6,483	28%	3,120	32%	87,060	32%	
Often			474	29%	6,844	27%	2,138	28%	60,244	27%	464	30%	6,531	28%	2,863	29%	73,445	28%	
Very often			513	30%	7,362	29%	2,004	26%	57,946	25%	525	34%	7,538	32%	2,663	26%	72,703	27%	
Total		1,682	100%	25,331	100%	7,636	100%	226,171	100%	1,564	100%	23,266	100%	9,810	100%	266,980	100%		

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## NSSE 2011 Engagement Item Frequency Distributions<sup>a</sup> McMaster University

			First-Year Students								Seniors							
			McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011	
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	245	15%	3,768	15%	854	12%	31,309	14%	146	9%	2,631	12%	979	11%	29,551	11%
		Sometimes	516	31%	7,829	31%	2,392	32%	73,789	32%	472	30%	7,318	32%	3,110	32%	90,022	33%
		Often	446	27%	6,932	27%	2,338	30%	63,228	28%	497	32%	6,647	28%	2,968	30%	76,925	29%
		Very often	474	28%	6,825	27%	2,058	26%	57,983	25%	446	29%	6,663	28%	2,761	28%	70,498	27%
	Total		1,681	100%	25,354	100%	7,642	100%	226,309	100%	1,561	100%	23,259	100%	9,818	100%	266,996	100%
2a. Coursework emphasizes: <b>Memorizing</b> facts, ideas, or methods from your courses and readings	MEMORIZE (LAC)	Very little	129	8%	1,505	6%	298	4%	11,935	5%	148	10%	2,256	10%	832	8%	23,653	9%
		Some	453	27%	6,177	25%	1,762	23%	54,986	25%	437	28%	6,356	27%	2,813	28%	77,281	29%
		Quite a bit	646	39%	9,962	40%	3,103	41%	90,466	41%	559	36%	8,013	35%	3,560	37%	96,027	36%
		Very much	443	26%	7,539	29%	2,429	32%	67,247	30%	418	26%	6,528	28%	2,562	27%	68,637	26%
Total		1,671	100%	25,183	100%	7,592	100%	224,634	100%	1,562	100%	23,153	100%	9,767	100%	265,598	100%	
2b. Coursework emphasizes: <b>Analyzing</b> the basic elements of an idea, experience, or theory	ANALYZE (LAC)	Very little	31	2%	485	2%	132	2%	4,194	2%	21	1%	370	2%	153	2%	3,567	1%
		Some	278	17%	4,424	18%	1,153	16%	36,857	17%	202	13%	2,986	14%	1,206	13%	32,237	13%
		Quite a bit	648	39%	10,943	44%	3,376	45%	97,665	44%	610	39%	9,285	40%	3,909	40%	106,774	40%
		Very much	712	43%	9,242	36%	2,892	37%	85,082	37%	727	46%	10,439	44%	4,465	45%	122,237	46%
Total		1,669	100%	25,094	100%	7,553	100%	223,798	100%	1,560	100%	23,080	100%	9,733	100%	264,815	100%	
2c. Coursework emphasizes: <b>Synthesizing</b> and organizing ideas, information, or experiences	SYNTHESZ (LAC)	Very little	76	4%	1,391	6%	291	4%	9,416	4%	50	3%	916	4%	349	4%	8,510	3%
		Some	461	28%	7,381	30%	1,941	27%	57,228	26%	359	23%	5,169	23%	1,961	21%	52,074	20%
		Quite a bit	615	37%	9,875	39%	3,131	41%	92,435	41%	621	40%	9,007	39%	3,801	40%	104,532	40%
		Very much	512	31%	6,404	25%	2,199	28%	64,462	28%	532	33%	7,944	34%	3,588	35%	99,268	37%
Total		1,664	100%	25,051	100%	7,562	100%	223,541	100%	1,562	100%	23,036	100%	9,699	100%	264,384	100%	
2d. Coursework emphasizes: <b>Making judgments</b> about the value of information, arguments, or methods	EVALUATE (LAC)	Very little	120	7%	1,826	8%	390	5%	12,448	6%	82	5%	1,279	6%	490	5%	12,500	5%
		Some	475	29%	7,244	29%	2,030	26%	58,304	26%	338	22%	5,337	24%	2,208	23%	56,474	22%
		Quite a bit	590	35%	9,771	39%	3,181	43%	90,804	41%	619	40%	8,624	37%	3,816	39%	102,526	39%
		Very much	479	29%	6,234	24%	1,958	26%	62,299	28%	523	33%	7,838	33%	3,216	32%	93,361	35%
Total		1,664	100%	25,075	100%	7,559	100%	223,855	100%	1,562	100%	23,078	100%	9,730	100%	264,861	100%	
2e. Coursework emphasizes: <b>Applying</b> theories or concepts to practical problems or in new situations	APPLYING (LAC)	Very little	69	4%	1,102	5%	263	4%	8,050	4%	53	4%	1,029	5%	323	4%	7,600	3%
		Some	301	18%	5,332	22%	1,498	20%	46,223	21%	282	18%	4,363	19%	1,696	18%	41,574	16%
		Quite a bit	548	33%	9,056	36%	2,954	39%	86,261	38%	489	32%	7,831	34%	3,397	35%	93,029	35%
		Very much	756	45%	9,671	38%	2,860	37%	83,714	37%	740	47%	9,916	42%	4,325	43%	123,136	46%
Total		1,674	100%	25,161	100%	7,575	100%	224,248	100%	1,564	100%	23,139	100%	9,741	100%	265,339	100%	
3a. Number of assigned textbooks, books, or book-length packs of course readings	READASGN (LAC)	None	14	1%	183	1%	49	1%	1,745	1%	42	3%	413	2%	121	1%	3,951	2%
		1-4	277	17%	4,454	19%	1,517	24%	46,650	23%	443	29%	6,448	29%	2,661	29%	73,691	29%
		5-10	729	44%	12,073	48%	3,362	45%	97,638	44%	562	36%	8,604	37%	3,582	37%	99,643	38%
		11-20	459	27%	5,681	22%	1,774	21%	52,164	22%	270	17%	4,244	18%	1,954	19%	51,396	19%
		More than 20	194	11%	2,712	11%	854	10%	25,596	10%	242	15%	3,358	14%	1,409	13%	35,995	13%
Total		1,673	100%	25,103	100%	7,556	100%	223,793	100%	1,559	100%	23,067	100%	9,727	100%	264,676	100%	

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**NSSE 2011 Engagement Item Frequency Distributions <sup>a</sup>**  
**McMaster University**

			First-Year Students								Seniors							
			McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011	
Item	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
3b. Number of books read on your own (not assigned) for personal enjoyment or academic enrichment	READOWN	None	520	31%	7,226	29%	2,159	29%	60,727	27%	420	27%	5,525	24%	2,213	23%	58,542	22%
		1-4	825	49%	12,582	50%	4,007	52%	117,530	52%	749	48%	11,716	50%	5,125	52%	139,122	52%
		5-10	198	12%	3,291	13%	907	12%	28,895	13%	247	16%	3,546	16%	1,473	15%	41,124	16%
		11-20	76	5%	1,079	4%	261	4%	8,767	4%	70	5%	1,259	6%	472	5%	13,550	5%
		More than 20	53	3%	892	4%	220	3%	7,889	4%	75	5%	1,029	4%	446	5%	12,413	5%
		Total	1,672	100%	25,070	100%	7,554	100%	223,808	100%	1,561	100%	23,075	100%	9,729	100%	264,751	100%
3c. Number of written papers or reports of <b>20 pages or more</b>	WRITEMOR (LAC)	None	1,068	63%	18,364	71%	6,397	84%	179,006	80%	610	38%	9,100	40%	5,206	55%	128,226	49%
		1-4	477	29%	4,992	21%	862	11%	32,505	15%	719	46%	10,758	46%	3,755	37%	110,551	41%
		5-10	73	5%	1,057	5%	177	3%	7,037	3%	163	11%	2,170	10%	533	5%	17,387	7%
		11-20	27	2%	369	2%	56	1%	2,774	1%	33	2%	616	3%	122	1%	4,663	2%
		More than 20	26	2%	297	1%	49	1%	2,229	1%	35	2%	428	2%	120	1%	3,952	2%
		Total	1,671	100%	25,079	100%	7,541	100%	223,551	100%	1,560	100%	23,072	100%	9,736	100%	264,779	100%
3d. Number of written papers or reports <b>between 5 and 19 pages</b>	WRITEMID (LAC)	None	180	11%	3,628	14%	1,400	19%	33,083	16%	100	6%	1,038	5%	1,023	11%	23,224	10%
		1-4	962	58%	13,028	52%	4,143	54%	122,028	54%	621	40%	8,719	38%	4,384	46%	114,618	44%
		5-10	406	24%	6,623	26%	1,648	22%	53,966	23%	503	32%	8,780	37%	2,970	30%	84,924	31%
		11-20	97	6%	1,420	6%	299	4%	11,930	5%	232	15%	3,335	14%	994	10%	30,580	11%
		More than 20	27	2%	409	2%	69	1%	2,930	1%	107	7%	1,223	5%	366	4%	11,672	4%
		Total	1,672	100%	25,108	100%	7,559	100%	223,937	100%	1,563	100%	23,095	100%	9,737	100%	265,018	100%
3e. Number of written papers or reports of <b>fewer than 5 pages</b>	WRITESML (LAC)	None	135	8%	2,361	10%	261	4%	9,706	5%	106	7%	2,533	11%	495	6%	17,398	7%
		1-4	819	49%	12,723	50%	3,093	40%	82,028	37%	635	41%	10,293	45%	3,142	33%	93,734	36%
		5-10	453	27%	6,361	25%	2,375	31%	73,283	32%	465	30%	5,889	25%	2,909	29%	73,305	27%
		11-20	188	11%	2,489	10%	1,241	17%	39,213	17%	212	13%	2,679	11%	1,840	18%	45,094	17%
		More than 20	75	4%	1,181	5%	590	8%	19,900	9%	140	9%	1,701	7%	1,354	14%	35,531	13%
		Total	1,670	100%	25,115	100%	7,560	100%	224,130	100%	1,558	100%	23,095	100%	9,740	100%	265,062	100%
4a. Number of problem sets or problem-based homework assignments that take you more than an hour to complete	PROBSETA	None	134	8%	3,279	13%	789	10%	25,241	11%	290	18%	5,000	21%	2,070	19%	47,923	18%
		1-2	429	26%	7,507	30%	2,566	33%	73,037	33%	461	30%	6,748	30%	3,010	31%	79,811	31%
		3-4	485	29%	7,495	30%	2,479	33%	72,137	32%	419	27%	5,839	25%	2,555	28%	74,686	29%
		5-6	239	14%	2,768	11%	809	11%	25,000	11%	138	9%	2,039	9%	838	9%	26,240	10%
		More than 6	383	23%	4,024	16%	893	12%	27,891	12%	255	16%	3,416	15%	1,217	13%	35,172	14%
		Total	1,670	100%	25,073	100%	7,536	100%	223,306	100%	1,563	100%	23,042	100%	9,690	100%	263,832	100%
4b. Number of problem sets or problem-based homework assignments that take you less than an hour to complete	PROBSETB	None	405	24%	7,007	28%	1,123	13%	37,498	16%	658	42%	10,012	43%	3,108	29%	77,729	29%
		1-2	651	39%	9,342	37%	2,873	37%	80,640	36%	510	32%	7,360	32%	3,293	35%	91,767	35%
		3-4	295	17%	4,637	19%	1,795	25%	53,560	24%	221	15%	3,215	14%	1,758	19%	50,191	19%
		5-6	118	7%	1,673	7%	722	10%	22,710	10%	75	5%	996	4%	618	7%	18,581	7%
		More than 6	196	12%	2,355	10%	1,023	15%	28,649	13%	93	6%	1,398	6%	891	10%	25,233	10%
		Total	1,665	100%	25,014	100%	7,536	100%	223,057	100%	1,557	100%	22,981	100%	9,668	100%	263,501	100%

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**NSSE 2011 Engagement Item Frequency Distributions <sup>a</sup>**  
**McMaster University**

			First-Year Students								Seniors							
			McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011	
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 have challenged you to do your best work	EXAMS	1 Very little	14	1%	220	1%	35	1%	1,553	1%	37	2%	496	2%	125	2%	3,319	1%
		2	24	1%	374	2%	102	2%	2,633	1%	40	3%	618	3%	166	2%	4,617	2%
		3	65	4%	977	4%	210	3%	7,572	4%	74	5%	1,173	5%	364	4%	10,383	4%
		4	194	12%	3,181	13%	757	10%	25,873	12%	180	11%	3,092	14%	1,091	11%	29,744	11%
		5	492	29%	7,468	30%	2,103	28%	67,288	30%	520	33%	7,087	30%	2,900	29%	76,368	29%
		6	500	30%	7,527	30%	2,698	35%	73,138	32%	465	29%	6,651	28%	3,145	32%	83,457	31%
		7 Very much	382	23%	5,378	21%	1,664	21%	45,977	20%	246	16%	3,968	17%	1,935	20%	57,061	22%
	Total		1,671	100%	25,125	100%	7,569	100%	224,034	100%	1,562	100%	23,085	100%	9,726	100%	264,949	100%
6a. Attended an art exhibit, play, dance, music, theater, or other performance	ATDART07	Never	775	47%	10,035	41%	1,939	27%	62,708	30%	564	37%	7,968	36%	2,858	31%	82,502	33%
		Sometimes	654	39%	10,398	41%	3,548	45%	97,958	44%	716	46%	10,302	44%	4,511	46%	117,105	44%
		Often	172	11%	2,992	12%	1,302	18%	38,690	17%	190	12%	3,026	13%	1,435	15%	38,400	14%
		Very often	57	4%	1,427	6%	710	10%	22,148	10%	82	5%	1,647	7%	840	8%	24,591	9%
	Total		1,658	100%	24,852	100%	7,499	100%	221,504	100%	1,552	100%	22,943	100%	9,644	100%	262,598	100%
6b. Exercised or participated in physical fitness activities	EXRCSE05	Never	285	17%	4,249	18%	547	8%	28,713	13%	162	10%	3,137	15%	990	11%	34,153	14%
		Sometimes	526	32%	8,411	34%	2,041	27%	62,271	28%	540	35%	7,745	34%	2,790	30%	82,533	32%
		Often	418	26%	6,172	25%	2,215	29%	56,147	25%	389	25%	5,635	24%	2,545	26%	64,016	24%
		Very often	424	26%	5,975	24%	2,681	36%	74,022	33%	459	30%	6,378	27%	3,302	33%	81,548	31%
	Total		1,653	100%	24,807	100%	7,484	100%	221,153	100%	1,550	100%	22,895	100%	9,627	100%	262,250	100%
6c. Participated in activities to enhance your spirituality (worship, meditation, prayer, etc.)	WORSH05	Never	963	58%	15,151	61%	3,216	42%	105,258	47%	872	57%	13,539	59%	4,070	42%	114,904	44%
		Sometimes	339	21%	5,088	21%	2,007	27%	53,083	24%	354	23%	5,098	22%	2,467	25%	66,926	25%
		Often	194	12%	2,342	10%	1,054	14%	28,767	13%	147	9%	2,120	9%	1,308	14%	34,178	13%
		Very often	154	9%	2,166	9%	1,184	16%	33,648	15%	170	11%	2,085	9%	1,773	20%	45,857	17%
	Total		1,650	100%	24,747	100%	7,461	100%	220,756	100%	1,543	100%	22,842	100%	9,618	100%	261,865	100%
6d. Examined the strengths and weaknesses of your own views on a topic or issue	OWNVIEW	Never	277	16%	3,957	16%	799	11%	25,130	11%	219	14%	2,714	12%	763	8%	22,341	9%
		Sometimes	658	40%	9,991	40%	2,920	38%	83,459	37%	575	37%	8,789	38%	3,353	34%	89,922	34%
		Often	473	29%	7,298	29%	2,531	34%	73,228	33%	494	32%	7,310	32%	3,432	36%	93,522	36%
		Very often	240	15%	3,485	14%	1,225	17%	38,868	18%	261	17%	4,052	18%	2,067	22%	56,010	21%
	Total		1,648	100%	24,731	100%	7,475	100%	220,685	100%	1,549	100%	22,865	100%	9,615	100%	261,795	100%
6e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	OTHRVIEW	Never	173	11%	2,113	9%	440	6%	13,962	7%	108	7%	1,435	7%	436	5%	12,713	5%
		Sometimes	558	34%	8,860	36%	2,495	33%	72,544	33%	535	34%	7,414	32%	2,896	30%	76,731	29%
		Often	583	35%	8,912	36%	2,947	39%	83,696	38%	559	36%	8,738	38%	3,793	39%	103,606	39%
		Very often	336	21%	4,892	20%	1,603	23%	50,821	23%	348	22%	5,275	23%	2,505	26%	69,117	26%
	Total		1,650	100%	24,777	100%	7,485	100%	221,023	100%	1,550	100%	22,862	100%	9,630	100%	262,167	100%
6f. Learned something that changed the way you understand an issue or concept	CHNGVIEW	Never	85	5%	1,135	5%	264	4%	8,287	4%	58	4%	796	4%	243	3%	7,534	3%
		Sometimes	486	29%	7,417	30%	2,369	32%	65,808	30%	481	31%	6,837	30%	2,857	30%	74,553	29%
		Often	677	41%	9,954	40%	3,031	39%	88,755	40%	621	40%	9,322	40%	3,947	40%	106,796	40%
		Very often	409	25%	6,358	25%	1,834	25%	58,685	26%	394	25%	5,992	26%	2,604	27%	73,785	28%
	Total		1,657	100%	24,864	100%	7,498	100%	221,535	100%	1,554	100%	22,947	100%	9,651	100%	262,668	100%

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**NSSE 2011 Engagement Item Frequency Distributions<sup>a</sup>**  
**McMaster University**

			First-Year Students								Seniors								
			McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011		
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
7a.	Practicum, internship, field experience, co-op experience, or clinical assignment	INTERN04 (EEE)	Have not decided	365	22%	4,905	20%	759	11%	30,237	14%	165	11%	2,678	12%	742	9%	21,311	9%
			Do not plan to do	109	7%	1,889	8%	206	3%	10,356	5%	542	35%	6,516	28%	1,475	16%	43,636	17%
			Plan to do	1,117	68%	16,203	65%	5,933	78%	162,640	74%	210	14%	4,361	20%	2,159	25%	63,293	26%
			Done	55	3%	1,576	6%	501	7%	15,213	7%	632	41%	9,205	40%	5,168	51%	132,023	49%
		Total	1,646	100%	24,573	100%	7,399	100%	218,446	100%	1,549	100%	22,760	100%	9,544	100%	260,263	100%	
7b.	Community service or volunteer work	VOLNTR04 (EEE)	Have not decided	248	16%	3,609	16%	617	9%	27,448	13%	107	7%	2,085	10%	687	8%	22,881	9%
			Do not plan to do	142	9%	2,068	9%	306	5%	13,835	7%	270	19%	3,904	18%	1,252	15%	37,546	15%
			Plan to do	777	46%	12,459	50%	3,110	41%	95,644	43%	241	16%	3,844	17%	1,234	14%	41,444	16%
			Done	474	28%	6,330	25%	3,337	44%	80,768	36%	927	59%	12,831	55%	6,322	63%	157,287	59%
		Total	1,641	100%	24,466	100%	7,370	100%	217,695	100%	1,545	100%	22,664	100%	9,495	100%	259,158	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	589	36%	8,526	35%	1,920	26%	71,331	32%	221	15%	3,591	16%	1,081	12%	37,267	15%
			Do not plan to do	454	28%	6,909	29%	1,921	26%	56,136	26%	897	58%	12,684	56%	5,006	53%	130,441	50%
			Plan to do	429	26%	6,326	26%	1,528	21%	55,011	26%	121	8%	2,235	10%	661	8%	23,898	10%
			Done	170	10%	2,640	11%	1,995	27%	34,671	17%	293	19%	4,129	17%	2,739	27%	67,115	25%
		Total	1,642	100%	24,401	100%	7,364	100%	217,149	100%	1,532	100%	22,639	100%	9,487	100%	258,721	100%	
7d.	Work on a research project with a faculty member outside of course or program requirements	RESRCH04 (SFI)	Have not decided	569	34%	9,471	38%	2,628	36%	83,240	38%	230	15%	4,031	18%	1,368	16%	44,439	18%
			Do not plan to do	343	21%	5,684	23%	1,392	20%	49,628	23%	835	54%	11,556	50%	4,626	47%	128,903	49%
			Plan to do	682	42%	8,634	35%	2,976	39%	75,607	35%	187	12%	3,523	16%	1,326	16%	35,770	15%
			Done	47	3%	698	3%	391	6%	9,327	5%	289	19%	3,615	15%	2,194	22%	50,637	19%
		Total	1,641	100%	24,487	100%	7,387	100%	217,802	100%	1,541	100%	22,725	100%	9,514	100%	259,749	100%	
7e.	Coursework in a foreign or additional language	FORLNG04 (EEE)	Have not decided	393	24%	5,323	22%	1,015	14%	42,007	20%	165	11%	2,673	12%	540	6%	23,270	9%
			Do not plan to do	675	41%	9,302	38%	1,732	24%	62,172	29%	987	64%	12,810	56%	3,365	35%	112,902	44%
			Plan to do	435	26%	6,633	27%	2,430	34%	70,438	33%	130	8%	2,493	11%	632	8%	23,985	10%
			Done	140	8%	3,252	13%	2,226	28%	43,543	19%	267	17%	4,775	21%	4,998	51%	99,936	37%
		Total	1,643	100%	24,510	100%	7,403	100%	218,160	100%	1,549	100%	22,751	100%	9,535	100%	260,093	100%	
7f.	Study abroad	STDABR04 (EEE)	Have not decided	559	34%	7,423	30%	1,928	27%	62,076	29%	232	15%	3,949	18%	1,022	12%	34,855	14%
			Do not plan to do	499	31%	5,814	25%	1,419	22%	53,177	26%	984	64%	13,184	58%	5,800	61%	158,856	62%
			Plan to do	526	31%	10,243	41%	3,827	48%	95,726	42%	201	13%	3,174	14%	903	11%	25,458	10%
			Done	58	4%	971	4%	205	3%	6,552	3%	120	8%	2,366	10%	1,780	16%	39,904	14%
		Total	1,642	100%	24,451	100%	7,379	100%	217,531	100%	1,537	100%	22,673	100%	9,505	100%	259,073	100%	
7g.	Independent study or self-designed major	INDSTD04 (EEE)	Have not decided	644	39%	9,439	38%	2,327	31%	74,351	34%	182	12%	3,524	16%	972	11%	33,334	13%
			Do not plan to do	621	38%	9,591	39%	3,743	51%	99,526	45%	951	61%	13,616	59%	6,224	65%	158,219	61%
			Plan to do	326	20%	4,515	19%	1,084	15%	35,743	17%	144	10%	2,622	12%	724	9%	24,087	10%
			Done	45	3%	853	4%	212	3%	7,545	4%	262	17%	2,879	12%	1,573	15%	42,871	16%
		Total	1,636	100%	24,398	100%	7,366	100%	217,165	100%	1,539	100%	22,641	100%	9,493	100%	258,511	100%	

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**McMaster University**

			First-Year Students								Seniors							
			McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011	
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	723	43%	11,486	46%	2,973	39%	84,532	39%	138	9%	3,817	18%	1,006	12%	29,854	12%
		Do not plan to do	283	17%	5,066	21%	887	13%	28,268	13%	542	34%	9,913	43%	3,117	31%	67,540	26%
		Plan to do	614	38%	7,570	31%	3,397	46%	101,369	46%	240	16%	4,244	19%	2,682	30%	80,139	31%
		Done	27	2%	403	2%	137	2%	4,028	2%	628	41%	4,781	20%	2,729	27%	82,578	30%
	Total		1,647	100%	24,525	100%	7,394	100%	218,197	100%	1,548	100%	22,755	100%	9,534	100%	260,111	100%
8a. Quality of relationships with other students	ENVSTU (SCE)	1 Unfriendly, Unsupportive, Sense of alienation	17	1%	361	2%	68	1%	2,475	1%	13	1%	335	2%	101	1%	2,406	1%
		2	45	3%	801	3%	154	2%	5,587	3%	22	1%	732	3%	232	3%	5,681	2%
		3	85	5%	1,423	6%	354	5%	10,890	5%	49	3%	1,262	6%	438	5%	11,089	4%
		4	200	12%	2,988	13%	820	12%	25,516	12%	139	9%	2,691	12%	1,041	11%	27,077	11%
		5	357	22%	5,074	21%	1,570	21%	45,705	21%	315	20%	4,908	22%	1,981	21%	52,254	20%
		6	531	32%	7,762	31%	2,507	33%	68,396	31%	571	37%	7,137	31%	3,131	32%	83,184	32%
		7 Friendly, Supportive, Sense of belonging	412	25%	6,150	24%	1,910	25%	59,686	27%	441	28%	5,705	24%	2,603	26%	78,283	29%
		Total		1,647	100%	24,559	100%	7,383	100%	218,255	100%	1,550	100%	22,770	100%	9,527	100%	259,974
8b. Quality of relationships with faculty members	ENVFAC (SCE)	1 Unavailable, Unhelpful, Unsympathetic	26	2%	317	1%	49	1%	1,812	1%	11	1%	368	2%	110	1%	2,680	1%
		2	64	4%	978	4%	196	3%	5,259	3%	46	3%	889	4%	301	3%	6,470	3%
		3	139	8%	2,079	9%	525	7%	12,929	6%	118	8%	1,699	8%	554	6%	12,911	5%
		4	319	19%	4,924	20%	1,446	19%	35,332	17%	260	17%	3,844	17%	1,446	15%	32,537	13%
		5	463	28%	6,964	28%	2,266	29%	58,291	27%	424	27%	6,102	27%	2,517	26%	60,495	24%
		6	417	26%	6,320	25%	2,034	27%	64,765	29%	451	29%	6,574	28%	2,959	30%	82,902	31%
		7 Available, Helpful, Sympathetic	223	14%	2,983	12%	873	12%	39,903	18%	237	15%	3,310	14%	1,646	18%	62,064	23%
		Total		1,651	100%	24,565	100%	7,389	100%	218,291	100%	1,547	100%	22,786	100%	9,533	100%	260,059
8c. Quality of relationships with administrative personnel and offices	ENVADM (SCE)	1 Unhelpful, Inconsiderate, Rigid	39	2%	758	3%	167	3%	5,422	3%	52	3%	1,503	7%	521	6%	12,613	5%
		2	96	6%	1,479	6%	462	7%	10,940	5%	114	7%	2,176	10%	793	9%	19,830	8%
		3	190	12%	2,655	11%	765	10%	20,793	10%	184	12%	2,780	12%	1,183	12%	27,959	11%
		4	346	21%	5,970	24%	1,854	25%	48,371	22%	325	21%	4,832	21%	2,101	22%	52,662	20%
		5	393	24%	5,971	24%	1,822	24%	52,405	24%	376	24%	4,943	21%	2,092	21%	56,567	21%
		6	363	22%	5,054	20%	1,501	21%	47,873	21%	306	20%	4,073	17%	1,787	18%	51,933	20%
		7 Helpful, Considerate, Flexible	219	14%	2,670	11%	810	11%	32,355	15%	195	13%	2,468	11%	1,053	11%	38,517	15%
		Total		1,646	100%	24,557	100%	7,381	100%	218,159	100%	1,552	100%	22,775	100%	9,530	100%	260,081

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			First-Year Students								Seniors							
			McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011	
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 hrs/wk	4	0%	117	1%	22	0%	732	0%	6	0%	133	1%	24	0%	852	0%
		1-5 hrs/wk	176	11%	3,312	14%	696	11%	27,632	14%	176	12%	3,018	14%	1,235	14%	35,197	14%
		6-10 hrs/wk	259	16%	4,874	20%	1,498	22%	48,349	23%	252	17%	4,422	20%	2,111	22%	58,477	23%
		11-15 hrs/wk	283	17%	4,927	20%	1,669	23%	46,498	22%	266	17%	4,314	19%	1,989	21%	51,642	20%
		16-20 hrs/wk	293	18%	4,376	18%	1,597	20%	40,177	18%	285	19%	3,884	17%	1,697	17%	44,512	17%
		21-25 hrs/wk	201	12%	2,891	11%	947	11%	25,468	11%	200	13%	2,650	11%	1,011	10%	28,162	10%
		26-30 hrs/wk	163	10%	1,767	7%	470	6%	14,084	6%	150	9%	1,682	7%	631	7%	17,406	6%
		30+ hrs/wk	267	16%	2,165	9%	457	6%	14,048	6%	205	13%	2,596	11%	780	9%	22,553	9%
<b>Total</b>		<b>1,646</b>	<b>100%</b>	<b>24,429</b>	<b>100%</b>	<b>7,356</b>	<b>100%</b>	<b>216,988</b>	<b>100%</b>	<b>1,540</b>	<b>100%</b>	<b>22,699</b>	<b>100%</b>	<b>9,478</b>	<b>100%</b>	<b>258,801</b>	<b>100%</b>	
9b. Working for pay <b>on campus</b>	WORKON01	0 hrs/wk	1,517	92%	22,689	93%	6,065	82%	179,925	84%	1,152	74%	17,947	80%	6,691	71%	186,802	74%
		1-5 hrs/wk	25	2%	393	2%	217	3%	8,390	3%	118	8%	1,205	5%	374	4%	13,151	4%
		6-10 hrs/wk	43	3%	421	2%	430	6%	13,837	5%	143	9%	1,489	6%	652	6%	21,797	7%
		11-15 hrs/wk	21	1%	380	2%	343	5%	7,442	3%	79	5%	1,009	4%	647	7%	15,022	5%
		16-20 hrs/wk	19	1%	243	1%	209	3%	4,394	2%	26	2%	482	2%	652	7%	13,138	5%
		21-25 hrs/wk	9	1%	121	1%	43	1%	1,029	1%	10	1%	223	1%	174	2%	3,519	1%
		26-30 hrs/wk	4	0%	48	0%	21	0%	394	0%	4	0%	78	0%	105	1%	1,511	1%
		30+ hrs/wk	6	0%	101	1%	21	0%	1,419	1%	9	1%	218	1%	176	2%	3,458	1%
<b>Total</b>		<b>1,644</b>	<b>100%</b>	<b>24,396</b>	<b>100%</b>	<b>7,349</b>	<b>100%</b>	<b>216,830</b>	<b>100%</b>	<b>1,541</b>	<b>100%</b>	<b>22,651</b>	<b>100%</b>	<b>9,471</b>	<b>100%</b>	<b>258,398</b>	<b>100%</b>	
9c. Working for pay <b>off campus</b>	WORKOF01	0 hrs/wk	1,227	74%	16,805	68%	5,766	74%	152,188	69%	945	61%	11,927	51%	4,788	48%	123,003	46%
		1-5 hrs/wk	85	5%	1,276	5%	339	5%	10,695	5%	101	7%	1,456	6%	594	6%	13,999	5%
		6-10 hrs/wk	104	6%	1,748	7%	288	4%	11,450	5%	130	8%	2,072	9%	662	7%	17,624	7%
		11-15 hrs/wk	95	6%	1,671	7%	273	4%	11,531	5%	133	8%	2,161	10%	612	7%	17,870	7%
		16-20 hrs/wk	63	4%	1,409	6%	261	5%	11,137	5%	96	6%	2,012	9%	834	9%	22,014	9%
		21-25 hrs/wk	30	2%	698	3%	186	3%	6,686	3%	67	4%	1,282	6%	607	7%	16,438	7%
		26-30 hrs/wk	12	1%	281	1%	94	2%	3,663	2%	24	2%	623	3%	364	4%	10,876	4%
		30+ hrs/wk	25	2%	514	3%	124	2%	9,376	5%	42	3%	1,130	6%	1,008	13%	36,733	16%
<b>Total</b>		<b>1,641</b>	<b>100%</b>	<b>24,402</b>	<b>100%</b>	<b>7,331</b>	<b>100%</b>	<b>216,726</b>	<b>100%</b>	<b>1,538</b>	<b>100%</b>	<b>22,663</b>	<b>100%</b>	<b>9,469</b>	<b>100%</b>	<b>258,557</b>	<b>100%</b>	
9d. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	COCURR01 (EEE)	0 hrs/wk	722	44%	11,717	48%	2,127	34%	87,655	43%	635	41%	10,474	48%	3,811	45%	118,808	48%
		1-5 hrs/wk	536	32%	8,013	32%	2,627	33%	68,078	30%	478	31%	6,710	29%	2,821	28%	72,350	27%
		6-10 hrs/wk	219	13%	2,606	11%	1,304	16%	28,766	13%	213	14%	2,683	11%	1,354	13%	30,243	11%
		11-15 hrs/wk	86	5%	1,069	5%	618	8%	14,638	7%	96	6%	1,290	5%	652	6%	15,467	6%
		16-20 hrs/wk	39	2%	536	2%	322	4%	8,732	4%	63	4%	710	3%	401	4%	9,574	4%
		21-25 hrs/wk	20	1%	229	1%	174	2%	4,236	2%	29	2%	368	2%	189	2%	4,933	2%
		26-30 hrs/wk	7	0%	88	0%	74	1%	1,773	1%	9	1%	145	1%	74	1%	2,399	1%
		30+ hrs/wk	15	1%	163	1%	114	2%	3,113	2%	20	1%	284	1%	177	2%	5,031	2%
<b>Total</b>		<b>1,644</b>	<b>100%</b>	<b>24,421</b>	<b>100%</b>	<b>7,360</b>	<b>100%</b>	<b>216,991</b>	<b>100%</b>	<b>1,543</b>	<b>100%</b>	<b>22,664</b>	<b>100%</b>	<b>9,479</b>	<b>100%</b>	<b>258,805</b>	<b>100%</b>	

<sup>a</sup> Column percentages are weighted by gender and enrollment status (and size for comparisons). Counts are not weighted so one cannot calculate column percentages from counts.

**NSSE 2011 Engagement Item Frequency Distributions <sup>a</sup>**  
**McMaster University**

			First-Year Students								Seniors							
			McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011	
Variable	Response Options		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
9e. Relaxing and socializing (watching TV, partying, etc.)	SOCIAL05	0 hrs/wk	21	1%	284	1%	58	1%	2,499	1%	10	1%	221	1%	100	1%	3,173	1%
		1-5 hrs/wk	362	22%	4,707	19%	1,484	21%	49,681	23%	247	16%	4,487	21%	2,388	27%	69,380	27%
		6-10 hrs/wk	477	29%	6,875	28%	2,241	29%	63,616	29%	490	31%	6,671	29%	2,874	30%	79,341	30%
		11-15 hrs/wk	343	21%	5,378	22%	1,670	22%	45,301	21%	339	22%	5,014	22%	1,913	19%	50,443	19%
		16-20 hrs/wk	197	12%	3,361	14%	925	13%	27,275	13%	240	15%	3,142	14%	1,134	11%	29,063	11%
		21-25 hrs/wk	102	6%	1,647	7%	439	6%	12,614	6%	95	6%	1,390	6%	477	5%	12,272	5%
		26-30 hrs/wk	40	2%	705	3%	192	3%	5,480	3%	51	3%	583	3%	199	2%	5,346	2%
		30+ hrs/wk	101	6%	1,412	6%	315	5%	10,052	5%	75	5%	1,129	5%	377	4%	9,248	4%
Total		1,643	100%	24,369	100%	7,324	100%	216,518	100%	1,547	100%	22,637	100%	9,462	100%	258,266	100%	
9f. Providing care for dependents living with you (parents, children, spouse, etc.)	CAREDE01	0 hrs/wk	1,068	64%	15,226	61%	6,025	79%	153,134	68%	1,066	69%	13,990	60%	6,398	63%	157,729	60%
		1-5 hrs/wk	330	20%	4,664	19%	704	11%	29,078	14%	260	17%	4,159	19%	1,045	12%	34,317	13%
		6-10 hrs/wk	107	7%	1,954	8%	249	4%	12,270	6%	98	6%	1,884	9%	550	7%	17,646	7%
		11-15 hrs/wk	60	4%	1,067	5%	127	2%	6,362	3%	59	4%	923	4%	296	4%	10,108	4%
		16-20 hrs/wk	36	2%	575	2%	89	2%	3,855	2%	21	1%	548	3%	214	3%	7,231	3%
		21-25 hrs/wk	14	1%	221	1%	34	1%	1,778	1%	13	1%	259	1%	123	2%	3,801	2%
		26-30 hrs/wk	8	1%	113	1%	15	0%	1,148	1%	7	0%	130	1%	85	1%	2,837	1%
		30+ hrs/wk	21	1%	499	2%	81	1%	8,533	5%	21	1%	710	4%	736	9%	24,300	10%
Total		1,644	100%	24,319	100%	7,324	100%	216,158	100%	1,545	100%	22,603	100%	9,447	100%	257,969	100%	
9g. Commuting to class (driving, walking, etc.)	COMMUTE	0 hrs/wk	230	14%	2,532	10%	513	7%	34,569	15%	58	4%	930	4%	542	5%	25,499	9%
		1-5 hrs/wk	880	53%	12,678	51%	5,041	66%	127,177	58%	915	59%	11,753	51%	6,277	64%	154,526	59%
		6-10 hrs/wk	294	18%	5,052	21%	1,255	19%	33,230	16%	371	24%	6,068	27%	1,807	21%	51,341	21%
		11-15 hrs/wk	158	10%	2,521	11%	301	5%	12,353	6%	133	9%	2,564	11%	514	6%	16,473	7%
		16-20 hrs/wk	43	3%	929	4%	111	2%	4,772	2%	42	3%	795	4%	174	2%	5,420	2%
		21-25 hrs/wk	12	1%	335	1%	53	1%	1,807	1%	13	1%	288	1%	57	1%	1,929	1%
		26-30 hrs/wk	13	1%	121	1%	24	0%	809	0%	4	0%	94	0%	32	0%	954	0%
		30+ hrs/wk	16	1%	227	1%	42	1%	2,044	1%	10	1%	186	1%	76	1%	2,557	1%
Total		1,646	100%	24,395	100%	7,340	100%	216,761	100%	1,546	100%	22,678	100%	9,479	100%	258,699	100%	
10a. Spending significant amounts of time studying and on academic work	ENVSCHOL (LAC)	Very little	22	1%	448	2%	88	1%	3,465	2%	31	2%	478	2%	201	2%	5,168	2%
		Some	231	14%	3,830	16%	1,004	16%	31,210	15%	227	15%	3,426	16%	1,573	18%	40,115	16%
		Quite a bit	718	44%	10,988	46%	3,187	45%	97,248	46%	688	45%	9,865	44%	4,159	45%	113,197	44%
		Very much	660	40%	8,921	36%	2,992	38%	82,617	37%	593	38%	8,749	37%	3,482	35%	98,165	37%
Total		1,631	100%	24,187	100%	7,271	100%	214,540	100%	1,539	100%	22,518	100%	9,415	100%	256,645	100%	
10b. Providing the support you need to help you succeed academically	ENVSUPRT (SCE)	Very little	53	3%	1,009	4%	181	3%	5,859	3%	101	7%	1,796	9%	577	7%	12,543	5%
		Some	394	24%	5,743	25%	1,462	21%	39,969	20%	510	33%	7,281	33%	2,497	28%	60,501	25%
		Quite a bit	720	44%	10,571	44%	3,266	44%	92,883	43%	668	43%	9,236	41%	4,098	43%	109,898	43%
		Very much	459	28%	6,770	27%	2,340	32%	74,899	34%	256	16%	4,158	17%	2,197	22%	72,656	27%
Total		1,626	100%	24,093	100%	7,249	100%	213,610	100%	1,535	100%	22,471	100%	9,369	100%	255,598	100%	

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**NSSE 2011 Engagement Item Frequency Distributions <sup>a</sup>**  
**McMaster University**

			First-Year Students								Seniors								
			McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011		
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
10c.	Encouraging contact among students from different economic, social, and racial or ethnic backgrounds	ENVDIVRS	Very little	310	20%	4,313	18%	853	13%	28,073	14%	343	22%	5,678	26%	1,749	20%	44,908	18%
		(EEE)	Some	530	32%	7,898	33%	2,175	30%	63,193	30%	549	36%	7,910	35%	3,262	35%	84,232	33%
			Quite a bit	493	30%	7,349	30%	2,418	33%	69,403	33%	435	28%	5,847	26%	2,752	29%	74,923	29%
			Very much	297	18%	4,529	18%	1,798	24%	52,924	24%	211	14%	2,992	13%	1,609	17%	51,418	20%
			<b>Total</b>		<b>1,630</b>	<b>100%</b>	<b>24,089</b>	<b>100%</b>	<b>7,244</b>	<b>100%</b>	<b>213,593</b>	<b>100%</b>	<b>1,538</b>	<b>100%</b>	<b>22,427</b>	<b>100%</b>	<b>9,372</b>	<b>100%</b>	<b>255,481</b>
10d.	Helping you cope with your non-academic responsibilities (work, family, etc.)	ENVNACAD	Very little	589	36%	7,453	32%	1,811	27%	52,576	26%	656	43%	9,499	44%	3,808	43%	91,375	37%
		(SCE)	Some	574	36%	9,040	37%	2,921	40%	79,513	37%	540	35%	8,082	35%	3,527	36%	92,675	36%
			Quite a bit	347	21%	5,414	22%	1,711	23%	54,768	25%	250	16%	3,556	15%	1,477	15%	48,556	18%
			Very much	113	7%	2,216	9%	808	11%	27,039	12%	89	6%	1,323	6%	578	6%	23,428	9%
			<b>Total</b>		<b>1,623</b>	<b>100%</b>	<b>24,123</b>	<b>100%</b>	<b>7,251</b>	<b>100%</b>	<b>213,896</b>	<b>100%</b>	<b>1,535</b>	<b>100%</b>	<b>22,460</b>	<b>100%</b>	<b>9,390</b>	<b>100%</b>	<b>256,034</b>
10e.	Providing the support you need to thrive socially	ENVSOCAL	Very little	352	22%	5,100	22%	980	15%	33,637	16%	403	27%	6,838	32%	2,358	27%	60,515	25%
		(SCE)	Some	639	40%	8,983	38%	2,561	37%	73,734	35%	635	41%	8,680	39%	3,682	39%	96,901	38%
			Quite a bit	475	29%	7,053	29%	2,548	33%	70,320	33%	383	25%	5,079	22%	2,401	24%	67,617	26%
			Very much	150	9%	2,878	12%	1,129	15%	35,325	16%	107	7%	1,752	7%	904	9%	29,739	11%
			<b>Total</b>		<b>1,616</b>	<b>100%</b>	<b>24,014</b>	<b>100%</b>	<b>7,218</b>	<b>100%</b>	<b>213,016</b>	<b>100%</b>	<b>1,528</b>	<b>100%</b>	<b>22,349</b>	<b>100%</b>	<b>9,345</b>	<b>100%</b>	<b>254,772</b>
10f.	Attending campus events and activities (special speakers, cultural performances, athletic events, etc.)	ENVEVENT	Very little	199	13%	3,117	14%	404	7%	19,926	10%	169	11%	3,413	17%	1,045	12%	34,440	14%
			Some	540	33%	7,200	30%	1,627	24%	51,522	25%	515	34%	7,746	35%	2,737	31%	74,458	30%
			Quite a bit	580	35%	8,649	36%	2,936	40%	80,027	37%	618	40%	7,738	34%	3,588	37%	90,391	35%
			Very much	307	19%	5,097	20%	2,282	30%	62,196	28%	225	14%	3,515	15%	2,011	20%	55,973	21%
			<b>Total</b>		<b>1,626</b>	<b>100%</b>	<b>24,063</b>	<b>100%</b>	<b>7,249</b>	<b>100%</b>	<b>213,671</b>	<b>100%</b>	<b>1,527</b>	<b>100%</b>	<b>22,412</b>	<b>100%</b>	<b>9,381</b>	<b>100%</b>	<b>255,262</b>
10g.	Using computers in academic work	ENVCOMPT	Very little	53	3%	1,102	5%	126	2%	5,797	3%	33	2%	915	4%	180	2%	5,692	2%
			Some	213	13%	4,434	19%	924	13%	30,185	14%	200	13%	3,245	15%	939	10%	26,494	10%
			Quite a bit	514	32%	8,208	34%	2,399	33%	72,764	34%	435	29%	6,785	30%	2,754	29%	74,854	29%
			Very much	848	52%	10,378	42%	3,798	53%	105,180	49%	868	56%	11,538	50%	5,521	58%	148,976	58%
			<b>Total</b>		<b>1,628</b>	<b>100%</b>	<b>24,122</b>	<b>100%</b>	<b>7,247</b>	<b>100%</b>	<b>213,926</b>	<b>100%</b>	<b>1,536</b>	<b>100%</b>	<b>22,483</b>	<b>100%</b>	<b>9,394</b>	<b>100%</b>	<b>256,016</b>
11a.	Acquiring a broad general education	GNGENLED	Very little	45	3%	838	4%	128	2%	5,895	3%	54	4%	829	4%	268	3%	7,873	3%
			Some	260	16%	4,433	19%	1,084	16%	33,741	17%	237	16%	3,731	18%	1,492	17%	37,085	15%
			Quite a bit	726	45%	10,759	45%	3,129	45%	90,221	43%	605	40%	8,926	40%	3,569	39%	94,691	38%
			Very much	568	36%	7,778	32%	2,815	37%	81,156	37%	631	41%	8,805	38%	3,962	41%	113,853	44%
			<b>Total</b>		<b>1,599</b>	<b>100%</b>	<b>23,808</b>	<b>100%</b>	<b>7,156</b>	<b>100%</b>	<b>211,013</b>	<b>100%</b>	<b>1,527</b>	<b>100%</b>	<b>22,291</b>	<b>100%</b>	<b>9,291</b>	<b>100%</b>	<b>253,502</b>
11b.	Acquiring job or work-related knowledge and skills	GNWORK	Very little	200	13%	3,050	13%	630	10%	18,855	10%	210	13%	3,001	14%	756	9%	17,829	7%
			Some	512	32%	7,484	32%	2,030	29%	57,318	28%	419	27%	6,162	28%	2,191	24%	52,601	21%
			Quite a bit	529	33%	8,080	34%	2,623	36%	76,423	36%	506	34%	7,142	32%	3,084	33%	85,889	34%
			Very much	356	22%	5,151	21%	1,865	26%	58,089	27%	384	25%	5,959	26%	3,258	34%	97,064	38%
			<b>Total</b>		<b>1,597</b>	<b>100%</b>	<b>23,765</b>	<b>100%</b>	<b>7,148</b>	<b>100%</b>	<b>210,685</b>	<b>100%</b>	<b>1,519</b>	<b>100%</b>	<b>22,264</b>	<b>100%</b>	<b>9,289</b>	<b>100%</b>	<b>253,383</b>

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**NSSE 2011 Engagement Item Frequency Distributions <sup>a</sup>**  
**McMaster University**

			First-Year Students								Seniors							
Item	Variable	Response Options	McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
11c. Writing clearly and effectively	GNWRITE	Very little	158	10%	1,885	8%	396	6%	10,926	6%	69	5%	1,162	6%	372	4%	10,355	4%
		Some	460	29%	6,740	29%	1,839	26%	47,648	23%	317	21%	4,713	22%	1,993	22%	48,446	20%
		Quite a bit	563	35%	9,270	39%	2,859	40%	84,973	40%	580	38%	8,628	39%	3,660	39%	96,153	38%
		Very much	416	26%	5,896	24%	2,061	27%	67,437	31%	565	37%	7,789	33%	3,263	34%	98,703	38%
		<b>Total</b>	<b>1,597</b>	<b>100%</b>	<b>23,791</b>	<b>100%</b>	<b>7,155</b>	<b>100%</b>	<b>210,984</b>	<b>100%</b>	<b>1,531</b>	<b>100%</b>	<b>22,292</b>	<b>100%</b>	<b>9,288</b>	<b>100%</b>	<b>253,657</b>	<b>100%</b>
11d. Speaking clearly and effectively	GNSPEAK	Very little	232	15%	3,644	16%	642	9%	20,028	10%	104	7%	2,031	10%	595	7%	15,532	7%
		Some	486	31%	7,715	32%	2,172	30%	57,672	27%	344	23%	5,881	27%	2,349	26%	56,463	23%
		Quite a bit	522	32%	7,870	33%	2,648	37%	77,118	37%	568	37%	8,090	36%	3,481	38%	93,873	37%
		Very much	349	22%	4,510	19%	1,679	24%	55,569	26%	510	33%	6,204	27%	2,837	29%	87,032	34%
		<b>Total</b>	<b>1,589</b>	<b>100%</b>	<b>23,739</b>	<b>100%</b>	<b>7,141</b>	<b>100%</b>	<b>210,387</b>	<b>100%</b>	<b>1,526</b>	<b>100%</b>	<b>22,206</b>	<b>100%</b>	<b>9,262</b>	<b>100%</b>	<b>252,900</b>	<b>100%</b>
11e. Thinking critically and analytically	GNANALY	Very little	45	3%	564	3%	149	2%	4,597	2%	16	1%	449	2%	193	2%	4,625	2%
		Some	210	13%	3,735	16%	1,037	15%	29,665	15%	164	11%	2,527	12%	1,046	12%	26,453	11%
		Quite a bit	569	35%	9,666	41%	2,945	42%	85,340	41%	501	33%	8,008	37%	3,379	37%	89,127	36%
		Very much	773	48%	9,796	41%	3,017	41%	90,956	42%	839	55%	11,254	49%	4,648	49%	132,797	51%
		<b>Total</b>	<b>1,597</b>	<b>100%</b>	<b>23,761</b>	<b>100%</b>	<b>7,148</b>	<b>100%</b>	<b>210,558</b>	<b>100%</b>	<b>1,520</b>	<b>100%</b>	<b>22,238</b>	<b>100%</b>	<b>9,266</b>	<b>100%</b>	<b>253,002</b>	<b>100%</b>
11f. Analyzing quantitative problems	GNQUANT	Very little	81	5%	1,860	8%	330	5%	12,281	6%	71	5%	1,696	8%	476	5%	12,980	5%
		Some	318	20%	5,751	24%	1,491	22%	48,102	23%	350	23%	5,329	24%	2,003	22%	52,108	20%
		Quite a bit	572	36%	8,997	38%	2,923	41%	83,221	40%	539	36%	7,931	36%	3,232	35%	91,362	36%
		Very much	617	39%	7,064	30%	2,383	32%	66,398	32%	555	37%	7,233	32%	3,531	38%	96,118	38%
		<b>Total</b>	<b>1,588</b>	<b>100%</b>	<b>23,672</b>	<b>100%</b>	<b>7,127</b>	<b>100%</b>	<b>210,002</b>	<b>100%</b>	<b>1,515</b>	<b>100%</b>	<b>22,189</b>	<b>100%</b>	<b>9,242</b>	<b>100%</b>	<b>252,568</b>	<b>100%</b>
11g. Using computing and information technology	GNCMPTS	Very little	125	8%	2,644	11%	368	5%	14,757	7%	130	9%	2,027	10%	435	5%	12,041	5%
		Some	396	24%	6,444	27%	1,521	21%	48,776	22%	393	25%	5,862	26%	1,723	18%	48,194	19%
		Quite a bit	525	33%	7,989	33%	2,688	38%	76,600	36%	510	33%	7,471	34%	3,309	36%	87,528	34%
		Very much	549	35%	6,711	28%	2,575	36%	70,691	34%	499	33%	6,922	31%	3,816	42%	105,764	42%
		<b>Total</b>	<b>1,595</b>	<b>100%</b>	<b>23,788</b>	<b>100%</b>	<b>7,152</b>	<b>100%</b>	<b>210,824</b>	<b>100%</b>	<b>1,532</b>	<b>100%</b>	<b>22,282</b>	<b>100%</b>	<b>9,283</b>	<b>100%</b>	<b>253,527</b>	<b>100%</b>
11h. Working effectively with others	GNOTHERS	Very little	103	7%	2,568	11%	363	6%	12,333	6%	61	4%	1,762	8%	379	5%	10,061	4%
		Some	381	24%	6,837	29%	1,705	24%	48,520	24%	295	19%	5,517	26%	1,892	21%	45,252	19%
		Quite a bit	559	35%	8,513	35%	2,772	39%	79,775	38%	561	37%	7,853	35%	3,334	36%	90,612	36%
		Very much	558	34%	5,911	24%	2,314	31%	70,261	33%	613	39%	7,176	31%	3,679	38%	107,529	41%
		<b>Total</b>	<b>1,601</b>	<b>100%</b>	<b>23,829</b>	<b>100%</b>	<b>7,154</b>	<b>100%</b>	<b>210,889</b>	<b>100%</b>	<b>1,530</b>	<b>100%</b>	<b>22,308</b>	<b>100%</b>	<b>9,284</b>	<b>100%</b>	<b>253,454</b>	<b>100%</b>
11i. Voting in local, provincial, or federal elections	GNCITIZN	Very little	655	42%	11,252	48%	2,608	37%	91,541	43%	693	46%	10,325	48%	3,350	38%	97,643	39%
		Some	480	30%	6,605	28%	2,243	32%	60,674	29%	474	31%	6,460	29%	2,971	32%	77,241	30%
		Quite a bit	298	19%	3,847	16%	1,415	20%	35,243	17%	237	16%	3,511	15%	1,790	19%	45,229	18%
		Very much	147	9%	1,798	8%	796	11%	20,537	11%	119	8%	1,855	8%	1,095	12%	31,073	13%
		<b>Total</b>	<b>1,580</b>	<b>100%</b>	<b>23,502</b>	<b>100%</b>	<b>7,062</b>	<b>100%</b>	<b>207,995</b>	<b>100%</b>	<b>1,523</b>	<b>100%</b>	<b>22,151</b>	<b>100%</b>	<b>9,206</b>	<b>100%</b>	<b>251,186</b>	<b>100%</b>

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**NSSE 2011 Engagement Item Frequency Distributions<sup>a</sup>**  
**McMaster University**

	Variable	Response Options	First-Year Students								Seniors							
			McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
11j. Learning effectively on your own	GNINQ	Very little	69	5%	1,110	5%	297	5%	10,107	5%	39	3%	1,069	5%	519	6%	12,856	6%
		Some	286	19%	4,861	21%	1,415	21%	45,424	22%	215	14%	3,812	18%	1,741	20%	45,946	19%
		Quite a bit	640	40%	10,213	43%	3,104	44%	90,257	43%	596	39%	8,960	40%	3,722	40%	100,442	40%
		Very much	579	36%	7,299	30%	2,224	30%	61,829	29%	670	44%	8,268	36%	3,196	34%	91,336	36%
		<b>Total</b>	<b>1,574</b>	<b>100%</b>	<b>23,483</b>	<b>100%</b>	<b>7,040</b>	<b>100%</b>	<b>207,617</b>	<b>100%</b>	<b>1,520</b>	<b>100%</b>	<b>22,109</b>	<b>100%</b>	<b>9,178</b>	<b>100%</b>	<b>250,580</b>	<b>100%</b>
11k. Understanding yourself	GNSELF	Very little	170	11%	2,856	13%	654	11%	20,960	11%	153	11%	2,617	13%	1,096	13%	26,624	12%
		Some	421	27%	6,214	27%	1,827	26%	53,065	26%	381	25%	5,609	26%	2,354	27%	59,931	25%
		Quite a bit	558	35%	8,715	37%	2,678	37%	76,018	36%	552	37%	7,879	35%	3,100	33%	85,257	34%
		Very much	422	27%	5,630	24%	1,884	26%	57,232	27%	428	28%	5,963	26%	2,601	27%	78,304	30%
		<b>Total</b>	<b>1,571</b>	<b>100%</b>	<b>23,415</b>	<b>100%</b>	<b>7,043</b>	<b>100%</b>	<b>207,275</b>	<b>100%</b>	<b>1,514</b>	<b>100%</b>	<b>22,068</b>	<b>100%</b>	<b>9,151</b>	<b>100%</b>	<b>250,116</b>	<b>100%</b>
11l. Understanding people of other racial and ethnic backgrounds	GNDIVERS	Very little	251	16%	3,922	17%	831	13%	28,617	14%	214	15%	3,596	17%	1,264	15%	34,912	14%
		Some	518	33%	7,618	32%	2,304	33%	64,888	31%	491	32%	7,272	33%	3,031	33%	78,024	31%
		Quite a bit	501	32%	7,621	32%	2,415	33%	69,025	33%	498	33%	6,999	31%	2,979	32%	79,452	31%
		Very much	302	19%	4,329	18%	1,503	21%	45,267	22%	310	20%	4,262	19%	1,918	21%	58,460	23%
		<b>Total</b>	<b>1,572</b>	<b>100%</b>	<b>23,490</b>	<b>100%</b>	<b>7,053</b>	<b>100%</b>	<b>207,797</b>	<b>100%</b>	<b>1,513</b>	<b>100%</b>	<b>22,129</b>	<b>100%</b>	<b>9,192</b>	<b>100%</b>	<b>250,848</b>	<b>100%</b>
11m. Solving complex real-world problems	GNPROBSV	Very little	158	10%	3,023	13%	669	10%	21,479	11%	148	10%	2,973	14%	921	11%	23,580	10%
		Some	484	31%	7,693	33%	2,220	31%	64,841	31%	434	28%	6,919	31%	2,606	29%	67,756	27%
		Quite a bit	565	36%	8,349	35%	2,611	37%	75,780	36%	555	37%	7,522	34%	3,268	35%	90,688	36%
		Very much	375	24%	4,444	19%	1,556	22%	45,846	22%	377	25%	4,726	21%	2,401	25%	68,894	27%
		<b>Total</b>	<b>1,582</b>	<b>100%</b>	<b>23,509</b>	<b>100%</b>	<b>7,056</b>	<b>100%</b>	<b>207,946</b>	<b>100%</b>	<b>1,514</b>	<b>100%</b>	<b>22,140</b>	<b>100%</b>	<b>9,196</b>	<b>100%</b>	<b>250,918</b>	<b>100%</b>
11n. Developing a personal code of values and ethics	GNETHICS	Very little	257	17%	3,751	17%	887	14%	26,796	14%	204	14%	3,624	18%	1,471	18%	33,893	15%
		Some	458	29%	7,286	31%	1,976	29%	57,690	28%	452	30%	6,487	30%	2,571	29%	64,597	26%
		Quite a bit	541	34%	7,905	33%	2,455	34%	70,588	34%	511	34%	7,201	32%	2,861	30%	78,912	31%
		Very much	326	20%	4,558	19%	1,735	23%	52,827	25%	349	23%	4,807	21%	2,293	24%	73,560	28%
		<b>Total</b>	<b>1,582</b>	<b>100%</b>	<b>23,500</b>	<b>100%</b>	<b>7,053</b>	<b>100%</b>	<b>207,901</b>	<b>100%</b>	<b>1,516</b>	<b>100%</b>	<b>22,119</b>	<b>100%</b>	<b>9,196</b>	<b>100%</b>	<b>250,962</b>	<b>100%</b>
11o. Contributing to the welfare of your community	GNCOMMUN	Very little	360	23%	5,933	26%	1,086	18%	38,384	20%	327	22%	5,525	26%	1,740	21%	47,065	20%
		Some	564	36%	8,571	36%	2,430	35%	70,281	34%	537	35%	7,822	35%	3,133	35%	80,319	32%
		Quite a bit	435	27%	6,219	26%	2,255	30%	62,057	29%	402	26%	5,779	25%	2,648	28%	71,454	28%
		Very much	221	14%	2,775	11%	1,286	17%	37,187	17%	254	16%	3,030	13%	1,661	17%	52,130	20%
		<b>Total</b>	<b>1,580</b>	<b>100%</b>	<b>23,498</b>	<b>100%</b>	<b>7,057</b>	<b>100%</b>	<b>207,909</b>	<b>100%</b>	<b>1,520</b>	<b>100%</b>	<b>22,156</b>	<b>100%</b>	<b>9,182</b>	<b>100%</b>	<b>250,968</b>	<b>100%</b>
11p. Developing a deepened sense of spirituality	GNSPIRIT	Very little	824	52%	12,442	53%	2,967	42%	85,821	42%	874	58%	13,508	61%	5,177	57%	122,490	51%
		Some	387	24%	5,720	24%	1,908	28%	53,038	26%	342	22%	4,662	21%	2,056	22%	57,219	22%
		Quite a bit	232	15%	3,496	15%	1,295	18%	38,149	18%	178	12%	2,419	11%	1,082	11%	35,741	14%
		Very much	132	8%	1,877	8%	890	12%	31,026	14%	126	8%	1,564	7%	879	9%	35,700	13%
		<b>Total</b>	<b>1,575</b>	<b>100%</b>	<b>23,535</b>	<b>100%</b>	<b>7,060</b>	<b>100%</b>	<b>208,034</b>	<b>100%</b>	<b>1,520</b>	<b>100%</b>	<b>22,153</b>	<b>100%</b>	<b>9,194</b>	<b>100%</b>	<b>251,150</b>	<b>100%</b>

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**NSSE 2011 Engagement Item Frequency Distributions<sup>a</sup>**  
**McMaster University**

			First-Year Students								Seniors							
			McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011	
Variable	Response Options		Count	%	Count	%	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	67	4%	1,096	5%	408	5%	9,223	5%	106	7%	2,212	11%	1,054	12%	22,309	10%
		Fair	289	18%	4,613	20%	1,246	17%	33,662	17%	352	23%	5,296	25%	2,072	22%	49,833	20%
		Good	762	48%	11,979	50%	3,208	46%	98,058	47%	716	47%	9,893	43%	3,649	39%	102,643	40%
		Excellent	467	30%	6,036	25%	2,256	32%	68,955	32%	351	23%	4,902	21%	2,503	27%	78,581	30%
	Total		1,585	100%	23,724	100%	7,118	100%	209,898	100%	1,525	100%	22,303	100%	9,278	100%	253,366	100%
13. How would you evaluate your entire educational experience at this institution?	ENTIREXP	Poor	35	2%	698	3%	99	2%	3,872	2%	48	3%	990	5%	259	3%	6,288	3%
		Fair	199	13%	3,514	15%	694	11%	22,552	12%	206	13%	3,859	18%	1,080	13%	29,926	13%
		Good	722	45%	11,523	49%	3,534	51%	101,116	49%	738	48%	10,594	48%	4,387	49%	116,207	47%
		Excellent	628	40%	7,973	32%	2,790	37%	82,259	37%	534	35%	6,857	29%	3,548	35%	100,892	38%
	Total		1,584	100%	23,708	100%	7,117	100%	209,799	100%	1,526	100%	22,300	100%	9,274	100%	253,313	100%
14. If you could start over again, would you go to the same institution you are now attending?	SAMECOLL	Definitely no	42	3%	819	4%	172	3%	7,299	4%	66	4%	1,586	8%	452	5%	12,946	5%
		Probably no	139	9%	2,747	12%	676	10%	22,674	11%	227	15%	3,679	17%	1,053	12%	32,281	13%
		Probably yes	621	39%	9,853	42%	2,768	39%	82,405	40%	618	40%	8,654	39%	3,493	39%	94,935	38%
		Definitely yes	786	49%	10,322	42%	3,505	48%	97,665	45%	615	40%	8,397	36%	4,282	43%	113,301	44%
	Total		1,588	100%	23,741	100%	7,121	100%	210,043	100%	1,526	100%	22,316	100%	9,280	100%	253,463	100%

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**NSSE 2011 Background Item Frequency Distributions <sup>a</sup>**  
**McMaster University**

			First-Year Students								Seniors							
			McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011	
Item	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
15. Age	AGE	19 or younger	1,319	81%	19,603	80%	6,596	90%	172,403	80%	0	0%	31	0%	28	0%	818	0%
		20-23	196	14%	2,778	13%	444	8%	21,005	10%	1,344	87%	17,467	75%	6,472	64%	166,547	63%
		24-29	48	3%	746	4%	58	1%	6,520	4%	140	10%	3,309	16%	1,465	19%	42,696	18%
		30-39	20	1%	397	2%	25	1%	5,451	3%	27	2%	838	5%	738	10%	22,342	10%
		40-55	10	1%	244	1%	28	1%	4,726	3%	11	1%	577	3%	498	6%	18,737	8%
		Over 55	0	0%	40	0%	1	0%	572	0%	0	0%	77	0%	72	1%	2,262	1%
		Total	1,593	100%	23,808	100%	7,152	100%	210,677	100%	1,522	100%	22,299	100%	9,273	100%	253,402	100%
16. Your sex:	SEX	Male	676	49%	8,803	45%	2,679	49%	73,996	45%	574	44%	8,235	42%	3,779	49%	93,109	44%
		Female	916	51%	15,002	55%	4,461	51%	136,559	55%	951	56%	14,074	58%	5,487	51%	160,321	56%
		Total	1,592	100%	23,805	100%	7,140	100%	210,555	100%	1,525	100%	22,309	100%	9,266	100%	253,430	100%
17. Are you an international student or foreign national?	INTERNAT	No			0	0%	6,577	93%	150,800	94%			0	0%	8,826	96%	197,184	95%
		Yes			0	0%	539	7%	9,348	6%			0	0%	418	4%	10,389	5%
		Total			0	0%	7,116	100%	160,148	100%			0	0%	9,244	100%	207,573	100%
18. What is your racial or ethnic identification? (Select only one.)	RACE05	American Indian or other Native American			0	0%	61	1%	1,231	1%			0	0%	95	1%	1,487	1%
		Asian, Asian American, or Pacific Islander			0	0%	909	11%	12,436	8%			0	0%	944	10%	13,866	7%
		Black or African American			0	0%	300	5%	14,021	11%			0	0%	358	4%	15,931	8%
		White (non-Hispanic)			0	0%	4,730	66%	105,552	62%			0	0%	6,264	66%	139,590	65%
		Mexican or Mexican American			0	0%	161	3%	5,777	4%			0	0%	177	2%	7,525	4%
		Puerto Rican			0	0%	24	0%	1,374	1%			0	0%	36	0%	1,443	1%
		Other Hispanic or Latino			0	0%	269	4%	4,988	3%			0	0%	370	4%	6,103	3%
		Multiracial			0	0%	250	4%	5,049	3%			0	0%	356	4%	5,850	3%
		Other			0	0%	93	1%	2,400	2%			0	0%	133	1%	3,226	2%
		I prefer not to respond			0	0%	338	5%	7,787	5%			0	0%	533	6%	13,051	6%
		Total			0	0%	7,135	100%	160,615	100%			0	0%	9,266	100%	208,072	100%
19. What is your current classification in university?	CLASS	1st year	1,549	97%	21,952	91%	6,184	84%	183,409	85%	0	0%	55	0%	13	0%	474	0%
		2nd year	34	2%	1,555	8%	888	15%	21,891	13%	1	0%	192	1%	69	1%	1,619	1%
		3rd year	3	0%	122	1%	29	0%	2,267	1%	93	6%	1,794	10%	563	7%	20,622	9%
		4th year	1	0%	20	0%	12	0%	667	0%	1,381	90%	19,275	84%	8,411	89%	222,919	87%
		Unclassified	4	0%	114	1%	14	0%	2,051	1%	50	4%	984	5%	217	3%	7,719	3%
		Total	1,591	100%	23,763	100%	7,127	100%	210,285	100%	1,525	100%	22,300	100%	9,273	100%	253,353	100%
20. Did you begin university at your current institution or elsewhere?	ENTER	Started here	1,512	95%	22,552	95%	6,798	94%	192,281	90%	1,433	94%	19,291	85%	5,914	59%	155,960	59%
		Started elsewhere	77	5%	1,201	5%	330	6%	17,911	10%	92	6%	2,995	15%	3,356	41%	97,492	41%
		Total	1,589	100%	23,753	100%	7,128	100%	210,192	100%	1,525	100%	22,286	100%	9,270	100%	253,452	100%

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**NSSE 2011 Background Item Frequency Distributions <sup>a</sup>**  
**McMaster University**

			First-Year Students								Seniors							
			McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011	
Item	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%	113	3%	6,565	5%			0	0%	585	8%	15,851	8%
	COMCOL05	Community or junior college			0	0%	438	6%	12,998	9%			0	0%	3,094	38%	77,072	40%
	FOUR05	4-year college other than this one			0	0%	361	6%	11,582	8%			0	0%	2,061	25%	51,466	26%
	NONE05	None			0	0%	6,087	85%	128,046	79%			0	0%	4,594	45%	91,709	42%
	OCOL1_05	Other			0	0%	156	3%	5,260	4%			0	0%	303	4%	8,736	4%
	Total					0	0%	7,102	100%	159,284	100%			0	0%	9,262	100%	205,905
- 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			0	0%	7,002	98%	154,607	97%			0	0%	8,920	95%	195,250	94%
		Yes			0	0%	100	2%	4,677	3%			0	0%	342	5%	10,655	6%
	Total					0	0%	7,102	100%	159,284	100%			0	0%	9,262	100%	205,905
- 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%	66	64%	3,386	62%			0	0%	192	54%	5,779	52%
		Yes			0	0%	34	36%	1,264	38%			0	0%	150	46%	4,807	48%
	Total					0	0%	100	100%	4,650	100%			0	0%	342	100%	10,586
22. How would you characterize your enrollment?	ENRLMENT	Less than full-time	83	7%	1,216	6%	138	3%	9,896	6%	107	8%	2,558	14%	1,185	15%	34,961	16%
		Full-time	1,507	93%	22,541	94%	6,986	97%	200,334	94%	1,418	92%	19,762	86%	8,084	85%	218,442	84%
	Total			1,590	100%	23,757	100%	7,124	100%	210,230	100%	1,525	100%	22,320	100%	9,269	100%	253,403
- Are you taking all courses entirely online? (Item appeared only in the online instrument.)	DISTED	No	1,565	98%	23,302	98%	7,031	99%	201,633	96%	1,519	100%	21,835	98%	8,902	96%	238,011	95%
		Yes	27	2%	450	2%	68	1%	7,316	4%	6	0%	461	2%	353	4%	13,203	5%
	Total			1,592	100%	23,752	100%	7,099	100%	208,949	100%	1,525	100%	22,296	100%	9,255	100%	251,214

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**NSSE 2011 Background Item Frequency Distributions <sup>a</sup>**  
**McMaster University**

			First-Year Students								Seniors								
			McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011		
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
–	Do you have any disabilities? (Select all that apply.) (Item appeared only in the on-line 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 NSSE data file or codebook.)	DISNONE	No, I do not have any disabilities or impairments			0	0%	6,173	87%	133,952	85%			0	0%	7,879	85%	173,289	85%
		DISSENSE	Yes, I have a sensory impairment (vision or hearing)			0	0%	184	3%	4,454	3%			0	0%	193	2%	4,633	2%
		DISMOBIL	Yes, I have a mobility impairment			0	0%	27	0%	837	1%			0	0%	68	1%	1,738	1%
		DISLEARN	Yes, I have a learning disability			0	0%	77	1%	3,429	2%			0	0%	158	2%	4,576	2%
		DISDEVL	Yes, I have a developmental disorder (ADHD, Autism spectrum disorder, etc.)			0	0%	157	3%	4,216	3%			0	0%	233	3%	5,545	3%
		DISMENT	Yes, I have a mental health disorder			0	0%	117	2%	3,092	2%			0	0%	228	3%	5,134	2%
		DISMED	Yes, I have a medical disability not listed above			0	0%	60	1%	2,132	1%			0	0%	115	1%	3,075	2%
		DISOTHER	Yes, I have another disability			0	0%	507	8%	14,065	9%			0	0%	780	9%	18,391	9%
		DISREFUS	I choose not to answer			0	0%	272	4%	7,716	5%			0	0%	399	5%	9,699	5%
23.	Are you member of a social fraternity or sorority?	FRATSORO	No	1,547	97%	23,010	97%	5,958	86%	194,726	93%	1,489	98%	21,720	98%	7,834	87%	230,330	91%
			Yes	39	3%	658	3%	1,155	14%	14,989	7%	33	2%	531	2%	1,429	13%	22,695	9%
			Total	1,586	100%	23,668	100%	7,113	100%	209,715	100%	1,522	100%	22,251	100%	9,263	100%	253,025	100%
24.	Are you a student-athlete on a team sponsored by your institution's athletics department?	ATHLETE	No	1,503	95%	22,522	95%	6,804	96%	191,477	93%	1,472	97%	21,367	96%	9,018	98%	239,825	96%
			Yes	78	5%	1,117	5%	291	4%	17,902	7%	51	3%	874	4%	226	2%	12,854	4%
			Total	1,581	100%	23,639	100%	7,095	100%	209,379	100%	1,523	100%	22,241	100%	9,244	100%	252,679	100%

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**NSSE 2011 Background Item Frequency Distributions <sup>a</sup>**  
**McMaster University**

			First-Year Students								Seniors							
			McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011	
Item	Variable	Response Options	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	54	3%	1,056	5%	105	1%	4,848	2%	9	1%	145	1%	22	0%	777	0%
		C	93	6%	1,591	7%	227	3%	8,149	4%	32	2%	547	2%	188	2%	4,384	2%
		C+	137	9%	2,481	11%	349	5%	12,624	6%	117	8%	1,428	7%	331	4%	10,235	4%
		B-	186	12%	3,106	13%	504	8%	17,016	8%	165	11%	2,558	11%	560	6%	17,727	7%
		B	339	21%	4,985	21%	1,445	20%	41,509	20%	316	21%	5,135	23%	1,808	20%	48,463	19%
		B+	260	16%	4,326	18%	1,357	19%	40,914	19%	330	21%	5,453	25%	1,965	21%	54,541	21%
		A-	298	19%	3,617	15%	1,563	21%	40,045	18%	341	22%	4,230	18%	2,054	20%	54,230	21%
		A	222	14%	2,536	11%	1,559	23%	44,544	22%	215	14%	2,774	13%	2,334	27%	62,547	25%
	Total		1,589	100%	23,698	100%	7,109	100%	209,649	100%	1,525	100%	22,270	100%	9,262	100%	252,904	100%
26. Which of the following best describes where you are living now while attending university?	LIVENOW	Room or apart. in university residence or campus housing	866	53%	10,714	43%	5,080	65%	122,037	55%	52	3%	1,026	5%	714	7%	32,738	11%
		Off-campus accomodation within walking distance	178	12%	2,118	9%	605	10%	16,934	8%	837	55%	7,180	31%	3,481	30%	63,815	24%
		Off-campus accomodation within driving distance	466	31%	8,763	39%	1,217	23%	58,390	31%	546	36%	11,889	55%	4,426	57%	135,180	57%
		Fraternity or sorority house	2	0%	72	0%	81	1%	898	0%	0	0%	49	0%	240	2%	2,622	1%
		None of the above	73	5%	1,996	9%	96	2%	10,743	6%	87	6%	2,111	10%	366	4%	17,905	7%
		Total	1,585	100%	23,663	100%	7,079	100%	209,002	100%	1,522	100%	22,255	100%	9,227	100%	252,260	100%
27a. What is the highest level of education that your <b>father</b> completed?	FATHREDU	Did not finish HS			0	0%	292	5%	13,687	10%			0	0%	531	6%	20,730	11%
		Graduated from HS			0	0%	1,248	19%	38,430	25%			0	0%	1,724	20%	48,889	24%
		Attended, no degree			0	0%	834	13%	20,753	13%			0	0%	1,123	13%	27,698	14%
		Completed Associate's			0	0%	528	8%	13,361	8%			0	0%	679	8%	17,514	8%
		Completed Bachelor's			0	0%	2,199	31%	40,627	25%			0	0%	2,724	29%	50,749	25%
		Completed Master's			0	0%	1,282	16%	21,708	13%			0	0%	1,474	15%	26,725	13%
		Completed Doctorate			0	0%	663	8%	9,703	6%			0	0%	939	9%	13,528	6%
		Total			0	0%	7,046	100%	158,269	100%			0	0%	9,194	100%	205,833	100%
27b. What is the highest level of education that your <b>mother</b> completed?	MOTHREDU	Did not finish HS			0	0%	200	3%	10,795	8%			0	0%	453	5%	16,800	9%
		Graduated from HS			0	0%	1,085	17%	32,357	21%			0	0%	1,764	20%	48,022	24%
		Attended, no degree			0	0%	931	14%	23,600	15%			0	0%	1,360	16%	30,831	15%
		Completed Associate's			0	0%	808	12%	20,244	13%			0	0%	1,097	12%	26,489	13%
		Completed Bachelor's			0	0%	2,588	35%	46,165	28%			0	0%	2,893	30%	53,508	26%
		Completed Master's			0	0%	1,165	15%	21,706	13%			0	0%	1,325	13%	26,040	12%
		Completed Doctorate			0	0%	293	3%	4,128	2%			0	0%	333	3%	4,920	2%
		Total			0	0%	7,070	100%	158,995	100%			0	0%	9,225	100%	206,610	100%

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**NSSE 2011 Background Item Frequency Distributions <sup>a</sup>**  
**McMaster University**

			First-Year Students								Seniors							
			McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011	
Item	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
28. Primary major or expected primary major, in NSSE's collapsed eight major field categories. This does not reflect any customization made for the Major Field Report.	MAJRPCOL	Arts and Humanities	190	12%	3,892	16%	774	11%	28,034	13%	215	14%	3,795	17%	1,387	15%	37,663	14%
		Biological Science	241	15%	2,880	12%	776	11%	20,462	10%	239	15%	2,567	11%	818	8%	20,084	8%
		Business	153	10%	3,027	14%	941	14%	27,025	15%	163	11%	3,083	14%	1,303	15%	43,996	18%
		Education	0	0%	542	2%	275	4%	14,112	7%	1	0%	440	2%	481	5%	19,480	8%
		Engineering	283	20%	2,140	10%	993	15%	15,544	9%	240	18%	1,919	9%	1,086	13%	17,468	8%
		Physical Science	77	5%	1,112	5%	271	4%	8,537	4%	53	4%	888	4%	351	4%	9,236	4%
		Professional	200	12%	1,722	7%	866	12%	24,309	12%	184	11%	1,935	9%	815	9%	25,083	10%
		Social Science	260	16%	4,671	20%	858	11%	27,817	13%	284	19%	4,802	22%	1,694	17%	39,780	16%
		Other	131	8%	2,959	13%	837	13%	27,017	15%	130	8%	2,508	12%	1,217	14%	34,418	14%
		Undecided	10	1%	161	1%	351	5%	6,941	3%	2	0%	17	0%	4	0%	168	0%
	Total		1,545	100%	23,106	100%	6,942	100%	199,798	100%	1,511	100%	21,954	100%	9,156	100%	247,376	100%
29. Second major or expected second major (not minor, concentration, etc.) if applicable, in NSSE's collapsed eight major field categories.	MAJRSCOL	Arts and Humanities	72	17%	1,553	25%	518	23%	12,229	22%	87	26%	1,448	24%	539	23%	12,519	22%
		Biological Science	52	12%	570	9%	126	5%	3,097	6%	28	8%	609	10%	105	5%	2,714	5%
		Business	46	12%	652	12%	264	17%	7,002	16%	34	11%	523	11%	381	20%	9,046	19%
		Education	0	0%	154	2%	78	4%	2,999	6%	0	0%	173	3%	75	3%	3,734	7%
		Engineering	24	7%	108	2%	72	3%	1,535	4%	10	4%	98	2%	41	2%	1,015	2%
		Physical Science	27	7%	414	7%	144	8%	3,449	7%	8	3%	268	5%	149	7%	3,178	7%
		Professional	15	3%	266	4%	178	9%	3,800	8%	7	2%	288	5%	96	5%	2,788	5%
		Social Science	143	34%	1,755	29%	428	17%	9,780	18%	131	40%	1,889	32%	632	25%	11,281	21%
		Other	25	6%	398	7%	189	10%	5,221	11%	17	6%	397	7%	183	9%	5,107	10%
		Undecided	8	2%	97	2%	56	4%	1,530	4%	1	0%	41	1%	36	2%	1,046	2%
	Total		412	100%	5,967	100%	2,053	100%	50,642	100%	323	100%	5,734	100%	2,237	100%	52,428	100%
- Institution reported: Gender	GENDER	Male	745	49%	10,124	46%	3,116	49%	86,282	45%	609	45%	9,018	42%	4,259	49%	104,017	44%
		Female	1,032	51%	16,945	54%	5,143	51%	156,967	55%	1,000	55%	15,203	58%	6,075	51%	175,793	56%
		Total	1,777	100%	27,069	100%	8,259	100%	243,249	100%	1,609	100%	24,221	100%	10,334	100%	279,810	100%
- Institution reported: Race or ethnicity	ETHNICIT	African American/Black		0	0%	375	6%	16,618	12%			0	0%	424	4%	18,053	9%	
		Am. Ind./Alaska Native		0	0%	16	0%	1,005	1%			0	0%	24	0%	1,358	1%	
		Asian/Pacific Islander		0	0%	1,186	16%	10,265	6%			0	0%	1,866	26%	13,123	7%	
		Caucasian/White		0	0%	4,743	63%	105,793	60%			0	0%	5,641	59%	136,857	64%	
		Hispanic		0	0%	318	4%	14,297	10%			0	0%	316	3%	17,158	9%	
		Other		0	0%	14	0%	770	0%			0	0%	3	0%	1,000	1%	
		Foreign		0	0%	472	6%	5,305	3%			0	0%	204	2%	4,787	2%	
		Multi-racial		0	0%	214	3%	3,548	2%			0	0%	120	2%	2,325	1%	
		Unknown		0	0%	203	2%	9,837	6%			0	0%	365	3%	11,467	6%	
		Total		0	0%	7,541	100%	167,438	100%			0	0%	8,963	100%	206,128	100%	
- Institution reported: Enrollment status	ENROLLMT	Part-time	111	9%	1,523	8%	252	5%	13,783	8%	217	16%	4,245	22%	1,398	17%	44,597	19%
		Full-time	1,666	91%	25,546	92%	8,007	95%	229,466	92%	1,392	84%	19,976	78%	8,936	83%	235,213	81%
		Total	1,777	100%	27,069	100%	8,259	100%	243,249	100%	1,609	100%	24,221	100%	10,334	100%	279,810	100%

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**NSSE 2011 Canadian Background Item Frequency Distributions <sup>a</sup>**  
**McMaster University**

**First-Year Students**

**Seniors**

Variable	Response Options	First-Year Students				Seniors							
		McMaster	Ontario	US Peers	NSSE 2011	McMaster	Ontario	US Peers	NSSE 2011				
		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%

These pages contain items from the Canadian version of NSSE that differ from the U.S. version and are not comparable. Refer to your Selected Comparison Groups Report to see which Canadian institutions were in each of your three comparison groups. Be aware that selected comparison groups containing U.S. institutions are not fully represented in these frequencies.

The items VETERAN, VETPAY, DISNOW, DISSENSE, DISMOBIL, DISLEARN, DISDEVL, DISMENT, DISMED, DISOTHER and DISREFUS were not included in the Canadian version of NSSE and no comparable questions were asked.

Additionally, the following items have slightly different wording in the Canadian version of the survey, but were similar enough to combine for comparison purposes: 4a (PROBSETA), 4b (PROBSETB), 7e (FORLAN04), 11i (GNCITZN), and 19 (CLASS).

For exact wording, refer to the Canadian versions of the survey. [nsse.iub.edu/html/survey\\_instruments\\_2011.cfm](http://nsse.iub.edu/html/survey_instruments_2011.cfm)

17. Are you a Canadian citizen?	INTRN_CA	No	187	12%	2,789	13%	0	0%	5,742	13%	107	7%	1,712	8%	0	0%	3,639	9%
		Yes	1,400	88%	20,784	87%	0	0%	43,630	87%	1,407	93%	20,448	92%	0	0%	41,384	91%
	Total	1,587	100%	23,573	100%	0	0%	49,372	100%	1,514	100%	22,160	100%	0	0%	45,023	100%	
18. Ethno-cultural information is collected to support programs that promote equal opportunity for everyone. Are you ... (Select all that apply.)	ETH_CA1	White	914	58%	14,555	61%	0	0%	34,407	68%	964	64%	14,192	64%	0	0%	31,974	71%
	ETH_CA2	North American Indian	21	1%	337	1%	0	0%	740	2%	12	1%	276	1%	0	0%	579	1%
	ETH_CA3	Métis	14	1%	207	1%	0	0%	694	1%	7	0%	187	1%	0	0%	551	1%
	ETH_CA4	Inuit	3	0%	34	0%	0	0%	73	0%	1	0%	28	0%	0	0%	71	0%
	ETH_CA5	Chinese	242	16%	3,067	13%	0	0%	5,253	11%	152	10%	2,831	13%	0	0%	4,969	12%
	ETH_CA6	South Asian	210	13%	2,370	11%	0	0%	3,096	7%	185	12%	1,969	9%	0	0%	2,576	6%
	ETH_CA7	Black	54	3%	1,097	5%	0	0%	1,916	4%	49	3%	833	4%	0	0%	1,350	3%
	ETH_CA8	Filipino	27	2%	484	2%	0	0%	868	2%	24	2%	398	2%	0	0%	639	2%
	ETH_CA9	Latin American	25	2%	532	2%	0	0%	986	2%	11	1%	422	2%	0	0%	809	2%
	ETH_CA10	Southeast Asian	40	3%	573	3%	0	0%	969	2%	45	3%	400	2%	0	0%	732	2%
	ETH_CA11	Arab	60	4%	707	3%	0	0%	1,254	3%	43	3%	520	3%	0	0%	1,010	2%
	ETH_CA12	West Asian	25	2%	433	2%	0	0%	615	1%	14	1%	359	2%	0	0%	568	1%
	ETH_CA13	Japanese	7	0%	131	1%	0	0%	277	1%	4	0%	137	1%	0	0%	277	1%
	ETH_CA14	Korean	36	2%	398	2%	0	0%	707	2%	36	2%	399	2%	0	0%	574	1%
ETH_CA15	Other	87	5%	1,361	6%	0	0%	2,261	5%	63	4%	1,249	6%	0	0%	2,017	5%	

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**NSSE 2011 Canadian Background Item Frequency Distributions <sup>a</sup>**  
**McMaster University**

			First-Year Students								Seniors							
			McMaster		Ontario		US Peers		NSSE 2011		McMaster		Ontario		US Peers		NSSE 2011	
Item	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.)	VOC05_CA	Community coll. (voc/tech courses not at university lvl)	68	5%	1,187	6%	0	0%	2,294	5%	66	5%	1,594	8%	0	0%	2,892	7%
	COM05_CA	Community coll. (university credit/transfer courses)	45	3%	725	3%	0	0%	1,545	4%	43	3%	1,673	9%	0	0%	4,504	11%
	FRY05_CA	University other than this one	85	6%	1,293	6%	0	0%	3,831	8%	128	9%	3,102	16%	0	0%	7,499	18%
	GEN05_CA	CEGEP (general or pre-university program)	8	1%	289	1%	0	0%	7,731	15%	5	0%	332	2%	0	0%	6,233	14%
	PRF05_CA	CEGEP (professional or technical program)	4	0%	108	1%	0	0%	1,904	4%	0	0%	109	1%	0	0%	1,495	3%
	TRN05_CA	Private training institution	31	2%	517	3%	0	0%	1,547	3%	18	1%	550	3%	0	0%	1,551	4%
	NON05_CA	None	1,312	84%	19,315	82%	0	0%	31,845	66%	1,215	83%	15,118	67%	0	0%	23,577	51%
	OTH05_CA	Other	48	3%	854	4%	0	0%	2,124	5%	27	2%	662	3%	0	0%	1,646	4%
27a. What is the highest level of education that your <b>father</b> completed?	FATHR_CA	Did not finish HS	125	8%	2,209	10%	0	0%	5,372	11%	135	9%	2,364	11%	0	0%	5,281	12%
		Graduated from HS	274	17%	4,308	18%	0	0%	9,217	19%	230	15%	3,737	17%	0	0%	7,974	18%
		Some or completed college or CEGEP	327	21%	4,905	20%	0	0%	10,068	20%	329	21%	4,417	20%	0	0%	9,071	20%
		Attended university w/out earning degree	74	5%	1,156	5%	0	0%	2,717	6%	66	4%	1,146	5%	0	0%	2,437	5%
		Completed Bachelor's	451	29%	6,269	27%	0	0%	12,478	26%	444	29%	6,011	27%	0	0%	11,634	26%
		Completed Master's	225	14%	3,337	14%	0	0%	6,384	13%	204	14%	2,960	13%	0	0%	5,584	13%
		Completed Doctorate	101	7%	1,298	6%	0	0%	2,793	6%	102	7%	1,488	7%	0	0%	2,948	7%
		<b>Total</b>	<b>1,577</b>	<b>100%</b>	<b>23,482</b>	<b>100%</b>	<b>0</b>	<b>0%</b>	<b>49,029</b>	<b>100%</b>	<b>1,510</b>	<b>100%</b>	<b>22,123</b>	<b>100%</b>	<b>0</b>	<b>0%</b>	<b>44,929</b>	<b>100%</b>
27b. What is the highest level of education that your <b>mother</b> completed?	MOTHR_CA	Did not finish HS	113	7%	1,679	7%	0	0%	3,673	8%	100	7%	1,786	9%	0	0%	3,742	9%
		Graduated from HS	296	19%	4,383	19%	0	0%	9,307	19%	290	19%	4,400	20%	0	0%	9,261	21%
		Some or completed college or CEGEP	372	23%	5,847	24%	0	0%	12,376	24%	399	26%	5,596	25%	0	0%	11,320	24%
		Attended university w/out earning degree	83	5%	1,205	5%	0	0%	2,977	6%	63	4%	1,011	5%	0	0%	2,462	5%
		Completed Bachelor's	484	30%	7,241	31%	0	0%	14,308	29%	486	32%	6,482	29%	0	0%	12,534	28%
		Completed Master's	179	11%	2,543	11%	0	0%	5,135	10%	127	8%	2,232	10%	0	0%	4,407	10%
		Completed Doctorate	52	3%	639	3%	0	0%	1,386	3%	45	3%	646	3%	0	0%	1,275	3%
		<b>Total</b>	<b>1,579</b>	<b>100%</b>	<b>23,537</b>	<b>100%</b>	<b>0</b>	<b>0%</b>	<b>49,162</b>	<b>100%</b>	<b>1,510</b>	<b>100%</b>	<b>22,153</b>	<b>100%</b>	<b>0</b>	<b>0%</b>	<b>45,001</b>	<b>100%</b>

PSIS: 35007001

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**NSSE 2011 Frequency Distributions<sup>a</sup>**  
**Ontario Universities Consortium**  
**McMaster University**

			First-Year Students				Seniors				
			McMaster		Ontario		McMaster		Ontario		
	<i>Variable</i>	<i>Response Options</i>	<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>	
1a.	Financial pressures or work obligations	ONT1101A	Not an obstacle	415	28%	5,555	25%	392	27%	4,873	22%
			A minor obstacle	589	40%	8,769	40%	604	41%	8,152	38%
			A major obstacle	474	32%	7,703	35%	467	32%	8,286	40%
		Total		1,478	100%	22,027	100%	1,463	100%	21,311	100%
1b.	Personal or family problems	ONT1101B	Not an obstacle	668	45%	9,555	44%	615	42%	8,191	39%
			A minor obstacle	532	36%	8,392	38%	564	39%	8,212	39%
			A major obstacle	269	18%	3,978	18%	276	19%	4,788	22%
		Total		1,469	100%	21,925	100%	1,455	100%	21,191	100%
1c.	Your academic performance at university	ONT1101C	Not an obstacle	429	29%	6,260	29%	542	37%	8,267	40%
			A minor obstacle	611	41%	9,287	42%	588	41%	8,160	38%
			A major obstacle	436	29%	6,420	29%	327	22%	4,772	22%
		Total		1,476	100%	21,967	100%	1,457	100%	21,199	100%
1d.	Course availability/scheduling	ONT1101D	Not an obstacle	442	30%	8,389	37%	289	20%	4,798	22%
			A minor obstacle	702	47%	10,133	46%	717	49%	10,598	49%
			A major obstacle	329	23%	3,453	17%	454	31%	5,859	29%
		Total		1,473	100%	21,975	100%	1,460	100%	21,255	100%
1e.	Lack of good academic advising	ONT1101E	Not an obstacle	825	56%	11,892	53%	683	47%	9,209	42%
			A minor obstacle	494	33%	7,637	35%	573	39%	8,004	38%
			A major obstacle	158	11%	2,456	12%	208	14%	4,041	20%
		Total		1,477	100%	21,985	100%	1,464	100%	21,254	100%
1f.	Difficulties with academic regulations	ONT1101F	Not an obstacle	985	66%	14,578	66%	956	65%	13,146	61%
			A minor obstacle	368	26%	5,784	27%	394	27%	5,920	28%
			A major obstacle	113	8%	1,588	8%	112	8%	2,149	11%
		Total		1,466	100%	21,950	100%	1,462	100%	21,215	100%
1g.	Language/cultural barriers	ONT1101G	Not an obstacle	1,171	79%	17,737	79%	1,222	83%	17,655	82%
			A minor obstacle	221	15%	3,230	16%	178	13%	2,744	14%
			A major obstacle	84	6%	995	5%	57	4%	817	4%
		Total		1,476	100%	21,962	100%	1,457	100%	21,216	100%
1h.	Difficulties associated with a disability or chronic health condition	ONT1101H	Not an obstacle	1,277	86%	19,123	87%	1,298	89%	18,155	85%
			A minor obstacle	140	10%	2,035	10%	112	8%	1,972	9%
			A major obstacle	59	4%	801	4%	50	3%	1,106	5%
		Total		1,476	100%	21,959	100%	1,460	100%	21,233	100%
1i.	Primary care giving responsibilities for a dependent	ONT1101I	Not an obstacle	1,319	89%	19,501	88%	1,330	91%	18,830	88%
			A minor obstacle	111	8%	1,885	9%	101	7%	1,702	8%
			A major obstacle	40	3%	549	3%	29	2%	691	4%
		Total		1,470	100%	21,935	100%	1,460	100%	21,223	100%

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**NSSE 2011 Frequency Distributions <sup>a</sup>**  
**Ontario Universities Consortium**  
**McMaster University**

			First-Year Students				Seniors				
			McMaster		Ontario		McMaster		Ontario		
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	
2.	My professors make students aware of their research activity and apply their research to their teaching.	ONT1102	Strongly disagree	88	6%	1,138	6%	84	6%	1,385	7%
			Disagree	251	17%	3,669	17%	264	18%	3,971	19%
			Agree	770	52%	11,437	51%	785	53%	11,248	52%
			Strongly agree	212	14%	2,889	13%	237	16%	3,375	15%
			Don't know/Not applicable	168	11%	2,964	14%	103	7%	1,402	7%
		Total	1,489	100%	22,097	100%	1,473	100%	21,381	100%	
3a.	Improving the quality of classrooms or lecture halls	ONT1103A	Checked	341	23%	4,088	19%	341	23%	3,994	19%
			Not checked	1,156	77%	18,211	81%	1,142	77%	17,490	81%
		Total	1,497	100%	22,299	100%	1,483	100%	21,484	100%	
3b.	Improving the quality of course instruction by professors	ONT1103B	Checked	337	23%	5,659	26%	398	27%	6,201	30%
			Not checked	1,160	77%	16,640	74%	1,085	73%	15,283	70%
		Total	1,497	100%	22,299	100%	1,483	100%	21,484	100%	
3c.	Improving the quality of teaching assistants	ONT1103C	Checked	438	29%	5,271	23%	302	21%	3,420	16%
			Not checked	1,059	71%	17,028	77%	1,181	79%	18,064	84%
		Total	1,497	100%	22,299	100%	1,483	100%	21,484	100%	
3d.	Ensuring a better fit between course content, assignments, and tests/exams	ONT1103D	Checked	423	28%	6,270	28%	272	19%	4,701	22%
			Not checked	1,074	72%	16,029	72%	1,211	81%	16,783	78%
		Total	1,497	100%	22,299	100%	1,483	100%	21,484	100%	
3e.	Increasing the number or variety of course offerings <u>in your major</u>	ONT1103E	Checked	311	21%	5,075	23%	542	36%	7,900	36%
			Not checked	1,186	79%	17,224	77%	941	64%	13,584	64%
		Total	1,497	100%	22,299	100%	1,483	100%	21,484	100%	
3f.	Increasing the number or variety of course offerings <u>outside your major</u>	ONT1103F	Checked	208	14%	2,830	12%	199	13%	2,451	11%
			Not checked	1,289	86%	19,469	88%	1,284	87%	19,033	89%
		Total	1,497	100%	22,299	100%	1,483	100%	21,484	100%	
3g.	Reducing class sizes overall	ONT1103G	Checked	308	21%	4,783	21%	291	20%	3,737	17%
			Not checked	1,189	79%	17,516	79%	1,192	80%	17,747	83%
		Total	1,497	100%	22,299	100%	1,483	100%	21,484	100%	
3h.	Improving the quality of labs	ONT1103H	Checked	124	8%	1,582	7%	113	8%	1,465	7%
			Not checked	1,373	92%	20,717	93%	1,370	92%	20,019	93%
		Total	1,497	100%	22,299	100%	1,483	100%	21,484	100%	
3i.	Improving student access to information technology	ONT1103I	Checked	109	8%	1,445	7%	100	7%	1,292	6%
			Not checked	1,388	92%	20,854	93%	1,383	93%	20,192	94%
		Total	1,497	100%	22,299	100%	1,483	100%	21,484	100%	

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**NSSE 2011 Frequency Distributions <sup>a</sup>**  
**Ontario Universities Consortium**  
**McMaster University**

		First-Year Students				Seniors					
		McMaster		Ontario		McMaster		Ontario			
	<i>Variable</i>	<i>Response Options</i>	<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>	
3j.	Providing more current/relevant courses and curriculum	ONT1103J	Checked	149	10%	2,152	10%	217	15%	2,810	13%
			Not checked	1,348	90%	20,147	90%	1,266	85%	18,674	87%
		Total	1,497	100%	22,299	100%	1,483	100%	21,484	100%	
3k.	Changing the mix of lectures, seminars, tutorials, and labs	ONT1103K	Checked	155	10%	2,128	9%	110	8%	1,655	8%
			Not checked	1,342	90%	20,171	91%	1,373	92%	19,829	92%
		Total	1,497	100%	22,299	100%	1,483	100%	21,484	100%	
3l.	Increasing opportunities to learn more about global issues	ONT1103L	Checked	189	12%	2,568	11%	210	14%	2,320	10%
			Not checked	1,308	88%	19,731	89%	1,273	86%	19,164	90%
		Total	1,497	100%	22,299	100%	1,483	100%	21,484	100%	
3m.	Other (specify up to 50 characters)	ONT1103M	Checked	182	12%	2,750	13%	255	17%	3,937	19%
			Not checked	1,315	88%	19,549	87%	1,228	83%	17,547	81%
		Total	1,497	100%	22,299	100%	1,483	100%	21,484	100%	
3o.	Other (specify up to 50 characters)	ONT1103O	Checked	28	2%	475	2%	38	3%	842	4%
			Not checked	1,469	98%	21,824	98%	1,445	97%	20,642	96%
		Total	1,497	100%	22,299	100%	1,483	100%	21,484	100%	
4a.	Increasing contact with professors outside of class (e.g. office hours)	ONT1104A	Checked	364	24%	5,912	27%	258	18%	4,003	19%
			Not checked	1,132	76%	16,318	73%	1,222	82%	17,431	81%
		Total	1,496	100%	22,230	100%	1,480	100%	21,434	100%	
4b.	Expanding and/or improving the quality of academic support services (e.g., study skills, library skills, writing/math skills, academic advising, career advising, etc.)	ONT1104B	Checked	418	28%	5,406	25%	353	24%	4,721	23%
			Not checked	1,078	72%	16,824	75%	1,127	76%	16,713	77%
		Total	1,496	100%	22,230	100%	1,480	100%	21,434	100%	
4c.	Expanding and/or improving the quality of personal support services (e.g., counseling)	ONT1104C	Checked	241	16%	3,518	16%	272	18%	3,686	17%
			Not checked	1,255	84%	18,712	84%	1,208	82%	17,748	83%
		Total	1,496	100%	22,230	100%	1,480	100%	21,434	100%	
4d.	Providing students with more opportunities to undertake research with faculty	ONT1104D	Checked	440	30%	5,429	24%	470	32%	7,505	34%
			Not checked	1,056	70%	16,801	76%	1,010	68%	13,929	66%
		Total	1,496	100%	22,230	100%	1,480	100%	21,434	100%	
4e.	Improving the library collection	ONT1104E	Checked	94	6%	1,767	8%	80	6%	2,048	9%
			Not checked	1,402	94%	20,463	92%	1,400	94%	19,386	91%
		Total	1,496	100%	22,230	100%	1,480	100%	21,434	100%	
4f.	Improving library services (e.g., circulation, staff availability, Internet/computer availability, etc.)	ONT1104F	Checked	182	12%	2,128	10%	228	15%	2,312	11%
			Not checked	1,314	88%	20,102	90%	1,252	85%	19,122	89%
		Total	1,496	100%	22,230	100%	1,480	100%	21,434	100%	

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**Ontario Universities Consortium**  
**McMaster University**

			First-Year Students				Seniors			
			McMaster		Ontario		McMaster		Ontario	
	<i>Variable</i>	<i>Response Options</i>	<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>
4g.	Improving the quality/availability of study spaces	Checked	675	45%	7,656	34%	735	49%	8,827	41%
		Not checked	821	55%	14,574	66%	745	51%	12,607	59%
		<b>Total</b>		<b>1,496</b>	<b>100%</b>	<b>22,230</b>	<b>100%</b>	<b>1,480</b>	<b>100%</b>	<b>21,434</b>
4h.	Increasing opportunities for international experiences (e.g., exchanges, study abroad)	Checked	218	14%	4,055	18%	211	14%	3,088	14%
		Not checked	1,278	86%	18,175	82%	1,269	86%	18,346	86%
		<b>Total</b>		<b>1,496</b>	<b>100%</b>	<b>22,230</b>	<b>100%</b>	<b>1,480</b>	<b>100%</b>	<b>21,434</b>
4i.	Working to provide a better social environment for students	Checked	265	18%	4,835	22%	188	13%	3,774	18%
		Not checked	1,231	82%	17,395	78%	1,292	87%	17,660	82%
		<b>Total</b>		<b>1,496</b>	<b>100%</b>	<b>22,230</b>	<b>100%</b>	<b>1,480</b>	<b>100%</b>	<b>21,434</b>
4j.	Other (specify up to 50 characters)	Checked	68	5%	1,195	6%	83	6%	1,736	9%
		Not checked	1,428	95%	21,035	94%	1,397	94%	19,698	91%
		<b>Total</b>		<b>1,496</b>	<b>100%</b>	<b>22,230</b>	<b>100%</b>	<b>1,480</b>	<b>100%</b>	<b>21,434</b>
4l.	Other (specify up to 50 characters)	Checked	10	1%	248	1%	10	1%	343	2%
		Not checked	1,486	99%	21,982	99%	1,470	99%	21,091	98%
		<b>Total</b>		<b>1,496</b>	<b>100%</b>	<b>22,230</b>	<b>100%</b>	<b>1,480</b>	<b>100%</b>	<b>21,434</b>
5a.	Residence	Checked	646	42%	9,345	40%	612	41%	6,720	29%
		Not checked	848	58%	12,800	60%	863	59%	14,673	71%
		<b>Total</b>		<b>1,494</b>	<b>100%</b>	<b>22,145</b>	<b>100%</b>	<b>1,475</b>	<b>100%</b>	<b>21,393</b>
5b.	Student organization(s) (e.g., club, student government)	Checked	410	27%	5,075	23%	533	36%	6,577	29%
		Not checked	1,084	73%	17,070	77%	942	64%	14,816	71%
		<b>Total</b>		<b>1,494</b>	<b>100%</b>	<b>22,145</b>	<b>100%</b>	<b>1,475</b>	<b>100%</b>	<b>21,393</b>
5c.	On-campus job	Checked	62	4%	780	4%	262	18%	2,871	13%
		Not checked	1,432	96%	21,365	96%	1,213	82%	18,522	87%
		<b>Total</b>		<b>1,494</b>	<b>100%</b>	<b>22,145</b>	<b>100%</b>	<b>1,475</b>	<b>100%</b>	<b>21,393</b>
5d.	Learning community	Checked	124	9%	1,804	8%	118	8%	1,351	6%
		Not checked	1,370	91%	20,341	92%	1,357	92%	20,042	94%
		<b>Total</b>		<b>1,494</b>	<b>100%</b>	<b>22,145</b>	<b>100%</b>	<b>1,475</b>	<b>100%</b>	<b>21,393</b>
5e.	Athletics/recreation programs	Checked	273	18%	3,768	17%	295	20%	3,829	17%
		Not checked	1,221	82%	18,377	83%	1,180	80%	17,564	83%
		<b>Total</b>		<b>1,494</b>	<b>100%</b>	<b>22,145</b>	<b>100%</b>	<b>1,475</b>	<b>100%</b>	<b>21,393</b>
5f.	Study group	Checked	462	31%	5,062	23%	436	29%	5,267	24%
		Not checked	1,032	69%	17,083	77%	1,039	71%	16,126	76%
		<b>Total</b>		<b>1,494</b>	<b>100%</b>	<b>22,145</b>	<b>100%</b>	<b>1,475</b>	<b>100%</b>	<b>21,393</b>

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**Ontario Universities Consortium**  
**McMaster University**

				First-Year Students				Seniors			
				McMaster		Ontario		McMaster		Ontario	
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	
5g.	In a class	ONT1105G	Checked	671	45%	11,162	50%	683	46%	10,882	50%
			Not checked	823	55%	10,983	50%	792	54%	10,511	50%
		Total	1,494	100%	22,145	100%	1,475	100%	21,393	100%	
5h.	In my academic program	ONT1105H	Checked	530	35%	6,861	31%	721	49%	9,051	41%
			Not checked	964	65%	15,284	69%	754	51%	12,342	59%
		Total	1,494	100%	22,145	100%	1,475	100%	21,393	100%	
5i.	Student activity space (i.e., lounge, cafeteria, pub)	ONT1105I	Checked	349	23%	6,405	28%	341	23%	5,074	23%
			Not checked	1,145	77%	15,740	72%	1,134	77%	16,319	77%
		Total	1,494	100%	22,145	100%	1,475	100%	21,393	100%	
5j.	Religious or faith-related organization	ONT1105J	Checked	150	10%	1,363	6%	128	9%	1,166	5%
			Not checked	1,344	90%	20,782	94%	1,347	91%	20,227	95%
		Total	1,494	100%	22,145	100%	1,475	100%	21,393	100%	
5k.	Did not experience sense of community	ONT1105K	Checked	143	10%	2,506	12%	85	6%	2,399	12%
			Not checked	1,351	90%	19,639	88%	1,390	94%	18,994	88%
		Total	1,494	100%	22,145	100%	1,475	100%	21,393	100%	
5l.	Other (specify up to 50 characters)	ONT1105L	Checked	35	2%	676	3%	29	2%	840	4%
			Not checked	1,459	98%	21,469	97%	1,446	98%	20,553	96%
		Total	1,494	100%	22,145	100%	1,475	100%	21,393	100%	
6a.	The content and focus of your academic program	ONT1106A	Very poor	44	3%	744	4%	57	4%	1,092	6%
			Poor	99	7%	1,409	7%	112	8%	1,531	7%
			Fair	384	27%	5,843	27%	369	26%	5,604	27%
			Good	621	43%	9,195	43%	600	42%	8,568	41%
			Very good	273	19%	3,754	18%	210	15%	2,896	14%
			Not applicable	17	1%	330	2%	85	6%	1,085	6%
			Total	1,438	100%	21,275	100%	1,433	100%	20,776	100%
6b.	How you would be evaluated in your courses (tests, assignments, etc.)	ONT1106B	Very poor	99	7%	1,212	6%	58	4%	938	5%
			Poor	191	13%	2,760	13%	94	6%	1,657	8%
			Fair	470	33%	7,145	34%	415	29%	5,693	27%
			Good	485	34%	7,189	34%	590	41%	8,620	41%
			Very good	167	12%	2,575	12%	220	15%	3,181	15%
			Not applicable	21	1%	345	2%	52	4%	644	3%
Total	1,433	100%	21,226	100%	1,429	100%	20,733	100%			

<sup>a</sup> Column percentages are weighted by gender and enrollment status (and size for comparisons). Counts are not weighted so one cannot calculate column percentages from counts.

**NSSE 2011 Frequency Distributions <sup>a</sup>**  
**Ontario Universities Consortium**  
**McMaster University**

		First-Year Students				Seniors					
		McMaster		Ontario		McMaster		Ontario			
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	
6c.	The level of difficulty to expect in your courses	ONT1106C	Very poor	107	8%	1,448	7%	85	6%	1,342	7%
			Poor	243	17%	3,174	15%	203	14%	2,619	13%
			Fair	505	35%	7,515	35%	492	35%	6,918	33%
			Good	423	30%	6,784	32%	474	33%	7,319	35%
			Very good	135	9%	1,972	9%	116	8%	1,767	8%
			Not applicable	21	1%	313	2%	55	4%	744	4%
			Total	1,434	100%	21,206	100%	1,425	100%	20,709	100%
6d.	How to access learning and study support services	ONT1106D	Very poor	91	6%	993	5%	89	6%	1,445	7%
			Poor	219	15%	2,498	12%	213	15%	2,929	14%
			Fair	470	33%	6,908	33%	491	35%	7,051	34%
			Good	453	32%	7,575	36%	436	31%	6,421	31%
			Very good	165	11%	2,815	13%	111	8%	1,768	8%
			Not applicable	27	2%	328	2%	72	5%	1,015	6%
			Total	1,425	100%	21,117	100%	1,412	100%	20,629	100%
6e.	The structure and requirements of your co-op program (if applicable)	ONT1106E	Very poor	70	5%	765	4%	55	4%	791	4%
			Poor	111	8%	1,386	7%	80	6%	967	5%
			Fair	223	17%	3,299	17%	173	13%	2,404	12%
			Good	196	14%	3,392	17%	170	13%	2,839	14%
			Very good	91	7%	1,376	7%	101	7%	1,125	6%
			Not applicable	672	48%	9,829	48%	756	56%	11,329	58%
			Total	1,363	100%	20,047	100%	1,335	100%	19,455	100%
6f.	The cost of attending university	ONT1106F	Very poor	129	9%	2,181	11%	159	11%	3,238	16%
			Poor	197	14%	2,881	14%	198	14%	3,317	16%
			Fair	399	28%	5,570	27%	417	30%	5,723	28%
			Good	394	27%	6,136	28%	382	26%	5,024	24%
			Very good	287	20%	3,910	18%	200	14%	2,360	11%
			Not applicable	31	2%	504	3%	68	5%	1,067	6%
			Total	1,437	100%	21,182	100%	1,424	100%	20,729	100%
6g.	The availability of financial aid (OSAP, scholarships, bursaries, etc.)	ONT1106G	Very poor	122	8%	1,736	8%	169	12%	2,720	14%
			Poor	202	14%	2,717	13%	210	15%	3,350	16%
			Fair	390	27%	5,756	27%	383	27%	5,446	26%
			Good	421	29%	6,123	29%	317	22%	4,443	21%
			Very good	206	15%	3,336	15%	157	11%	1,856	9%
			Not applicable	92	7%	1,514	8%	190	13%	2,875	15%
			Total	1,433	100%	21,182	100%	1,426	100%	20,690	100%

<sup>a</sup> Column percentages are weighted by gender and enrollment status (and size for comparisons). Counts are not weighted so one cannot calculate column percentages from counts.

**NSSE 2011 Frequency Distributions <sup>a</sup>**  
**Ontario Universities Consortium**  
**McMaster University**

			First-Year Students				Seniors				
			McMaster		Ontario		McMaster		Ontario		
	Variable	Response Options	Count	%	Count	%	Count	%	Count	%	
6h.	Common academic problems faced by students in your year and program	ONT1106H	Very poor	94	7%	1,619	8%	233	16%	3,636	18%
			Poor	205	14%	3,452	16%	315	22%	4,737	23%
			Fair	480	33%	7,133	34%	458	33%	6,246	30%
			Good	469	33%	6,197	29%	265	19%	3,708	18%
			Very good	149	11%	2,077	10%	64	5%	900	4%
			Not applicable	36	2%	634	3%	87	6%	1,436	8%
			<b>Total</b>	<b>1,433</b>	<b>100%</b>	<b>21,112</b>	<b>100%</b>	<b>1,422</b>	<b>100%</b>	<b>20,663</b>	<b>100%</b>
6i.	How to access personal support services (counselling, etc.)	ONT1106I	Very poor	120	8%	1,421	7%	205	14%	2,925	15%
			Poor	247	17%	3,304	15%	323	22%	4,431	22%
			Fair	493	34%	6,935	33%	465	33%	6,464	31%
			Good	415	29%	6,499	31%	261	19%	4,157	20%
			Very good	119	8%	2,311	11%	63	4%	1,106	5%
			Not applicable	35	2%	607	3%	98	7%	1,525	8%
			<b>Total</b>	<b>1,429</b>	<b>100%</b>	<b>21,077</b>	<b>100%</b>	<b>1,415</b>	<b>100%</b>	<b>20,608</b>	<b>100%</b>
6j.	Career opportunities after graduation	ONT1106J	Very poor	150	11%	2,413	12%	271	19%	4,369	22%
			Poor	281	19%	4,405	21%	327	23%	4,806	23%
			Fair	462	33%	6,625	31%	421	30%	5,784	27%
			Good	356	25%	4,553	21%	271	19%	3,530	17%
			Very good	111	8%	1,625	8%	78	6%	1,198	6%
			Not applicable	65	5%	1,424	7%	51	4%	938	5%
			<b>Total</b>	<b>1,425</b>	<b>100%</b>	<b>21,045</b>	<b>100%</b>	<b>1,419</b>	<b>100%</b>	<b>20,625</b>	<b>100%</b>
6k.	What to expect of interactions with instructors inside and outside the classroom	ONT1106K	Very poor	135	9%	1,724	8%	139	10%	2,606	13%
			Poor	253	17%	4,033	19%	282	20%	3,856	19%
			Fair	492	35%	7,382	35%	507	36%	6,892	33%
			Good	419	29%	5,720	27%	333	24%	4,984	24%
			Very good	97	7%	1,653	8%	81	6%	1,247	6%
			Not applicable	34	2%	556	3%	74	5%	1,039	6%
			<b>Total</b>	<b>1,430</b>	<b>100%</b>	<b>21,068</b>	<b>100%</b>	<b>1,416</b>	<b>100%</b>	<b>20,624</b>	<b>100%</b>
7.	Do you live in residence?	ONT1107	No (If No, complete questions 8 - 10.)	648	46%	11,461	55%	1,383	96%	19,782	94%
			Yes (If Yes, survey is complete.)	813	54%	10,087	45%	65	4%	1,218	6%
			<b>Total</b>	<b>1,461</b>	<b>100%</b>	<b>21,548</b>	<b>100%</b>	<b>1,448</b>	<b>100%</b>	<b>21,000</b>	<b>100%</b>

<sup>a</sup> Column percentages are weighted by gender and enrollment status (and size for comparisons). Counts are not weighted so one cannot calculate column percentages from counts.

**NSSE 2011 Frequency Distributions <sup>a</sup>**  
**Ontario Universities Consortium**  
**McMaster University**

			First-Year Students				Seniors				
			McMaster		Ontario		McMaster		Ontario		
	<i>Variable</i>	<i>Response Options</i>	<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>	
8.	About how many hours do you spend in a typical week on your university's campus, outside of time spent in class?	ONT1108	5 hours or less	178	28%	4,356	38%	388	28%	6,894	37%
			6-10 hours	171	27%	3,204	28%	336	24%	4,976	25%
			11-20 hours	171	26%	2,529	22%	353	26%	4,500	22%
			21-30 hours	69	10%	877	8%	183	13%	2,043	10%
			More than 30 hours	58	9%	474	4%	118	9%	1,319	7%
		Total		647	100%	11,440	100%	1,378	100%	19,732	100%
9.	Where are you currently living?	ONT1109	With parents, guardians, or relatives	391	59%	7,517	65%	397	29%	7,578	39%
			In a rented home/apartment	127	20%	2,365	21%	546	40%	8,957	44%
			In rented room or rooming house	99	16%	957	9%	377	28%	1,967	10%
			In personally owned house	27	5%	564	6%	53	4%	1,202	7%
		Total		644	100%	11,403	100%	1,373	100%	19,704	100%
10.	Please select your <b>most frequently used</b> form of transportation between your place of lodging and the university.	ONT1110	Private automobile	132	21%	2,623	23%	238	18%	4,480	24%
			Car pool/share driving	38	6%	544	5%	34	2%	598	3%
			Public transit	368	56%	7,066	62%	503	36%	9,684	49%
			Walk/bicycle/blade	107	17%	1,168	11%	600	44%	4,911	24%
		Total		645	100%	11,401	100%	1,375	100%	19,673	100%
11.	For your <b>most frequently used</b> form of transportation between your place of lodging and the university, select how long the trip normally takes (one way).	ONT1111	<= 20 minutes	230	36%	3,343	29%	868	63%	9,202	44%
			21-40 minutes	202	32%	3,368	30%	280	21%	5,052	26%
			41-60 minutes	158	24%	2,625	23%	161	12%	3,011	16%
			61-80 minutes	39	6%	1,403	12%	47	3%	1,641	9%
			> 80 minutes	15	2%	650	6%	18	1%	768	4%
		Total		644	100%	11,389	100%	1,374	100%	19,674	100%

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<sup>a</sup> Column percentages are weighted by gender and enrollment status (and size for comparisons). Counts are not weighted so one cannot calculate column percentages from counts.



McMaster University

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Respondent Characteristics

August 2011

	McMaster		Ontario		US Peers		NSSE 2011	
	FY	SR	FY	SR	FY	SR	FY	SR
<b>Response Rate<sup>a</sup></b>								
Overall	35%		33%		22%		28%	
By class	31%	40%	32%	35%	20%	23%	26%	29%
NSSE sample size <sup>b</sup>	5,801	4,013	84,386	69,481	40,479	45,304	937,726	961,600
<b>Sampling Error<sup>c</sup></b>								
Overall	1.4%		0.4%		0.6%		0.1%	
By class	1.9%	1.9%	0.5%	0.5%	1.0%	0.8%	0.2%	0.2%
Number of respondents <sup>b</sup>	1,777	1,609	27,069	24,221	8,259	10,334	243,585	279,810
Total population	5,801	4,013	88,319	72,683	43,240	45,945	976,231	998,493
<b>Student Characteristics<sup>d</sup></b>								
<b>Mode of Completion</b>								
Paper	0%	0%	0%	0%	0%	0%	0%	1%
Web	100%	100%	100%	100%	100%	100%	100%	99%
<b>Enrollment Status<sup>e</sup></b>								
Full-time	94%	87%	94%	82%	97%	86%	94%	84%
Less than full-time	6%	13%	6%	18%	3%	14%	6%	16%
<b>Gender<sup>e</sup></b>								
Female	58%	62%	63%	63%	62%	59%	65%	63%
Male	42%	38%	37%	37%	38%	41%	35%	37%
<b>Place of Residence</b>								
On-campus <sup>f</sup>	55%	3%	46%	5%	73%	10%	59%	14%
<b>Transfer Status</b>								
Transfer students	5%	6%	5%	13%	5%	36%	9%	38%
<b>Age</b>								
Non-traditional (24 or older)	5%	12%	6%	22%	2%	30%	8%	34%
Traditional (less than 24)	95%	88%	94%	78%	98%	70%	92%	66%

<sup>a</sup> Response rate (number of respondents divided by sample size) is adjusted for non-deliverable mailing addresses, students for whom contact information was not available, and other students who were sampled yet unavailable during the survey administration.

<sup>b</sup> This report is based on information from all randomly selected or census-administered students for both your institution and your comparison institutions. Targeted and locally administered oversamples (i.e., non-randomly selected students) are not included in this report.

<sup>c</sup> Sampling error is an estimate of the margin by which the true score for your institution on a given item could differ from the reported score. For example, if the sampling error is +/-5% and 60% of your students reply "very often" to a particular item, then the true population value is most likely between 55% and 65%.

<sup>d</sup> Percent of total respondents within each category. These results are *not* weighted.

<sup>e</sup> Institution-reported data. This information was used to weight your Mean Comparisons, Frequency Distributions, and Benchmark Comparisons reports.

<sup>f</sup> Students who identified their residence as "dormitory or other campus housing" or "fraternity or sorority house."



# McMaster University

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## Multi-Year Benchmark Report

August 2011

## Interpreting the Multi-Year Benchmark Report

For institutions that have participated in multiple NSSE administrations, this *Multi-Year Benchmark Report* presents comparable benchmark scores by year so that patterns of change or stability are discernible. It also provides statistics such as *number of respondents*, *standard deviation*, and *standard error* so that shorthand mean comparison tests can be calculated.

Questions that might be answered with this report include, “How stable was the level of student-faculty interaction over the years?” or “Given the implementation of initiative X three years ago, did the level of active and collaborative learning increase?”

This report has three main parts: (a) a table of *data quality indicators* (p. 3), which provides a quick reference to important statistics for each year’s administration, (b) *multi-year charts*, and (c) *detailed statistics*. Key terms and features of (b) and (c) are illustrated below.

For more information and recommendations for analyzing past and present NSSE data for trends or stability, consult the *Multi-Year Data Analysis Guide*. [nsse.iub.edu/pdf/MYDAG.pdf](http://nsse.iub.edu/pdf/MYDAG.pdf)

### Key Terms and Features in this Report

#### Y-Axis

Benchmarks are computed on a 0 to 100 scale, however nearly all institutional scores are between the y-axis values of 15 and 85.

#### Benchmark Score

The benchmark score is the weighted average of the students' scores, using only randomly sampled students (including those from census administrations) from each year's data.

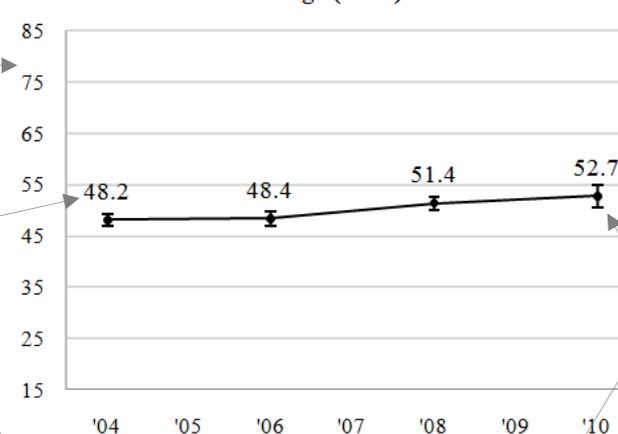
#### n

Unweighted number of respondents represented in the data.

#### SEM

*Standard error of the mean* is how much a score based on a sample may differ from the true population score. *SEM* is used to compute confidence intervals.

Level of Academic Challenge (LAC)



#### Error Bars/Confidence Intervals

Error bars around each benchmark score show the upper and lower bounds of the 95% confidence interval (mean  $\pm 1.96 * SEM$ ), a range of values 95% likely to contain the true population score. "Upper" and "Lower" limits are also reported in the detailed statistics tables. Where confidence intervals do not overlap between years, a statistically significant difference ( $p < .05$ ) is likely to be present.

Multi-year detailed statistics  
appear on pages 5 & 7

	2004	2005	2006	2007	2008	2009	2010
<b>LAC</b>	<b>48.2</b>	<b>48.4</b>	<b>48.4</b>	<b>48.4</b>	<b>51.4</b>	<b>51.4</b>	<b>52.7</b>
n	405	303	303	303	307	307	155
SD	12.1	12.3	12.3	12.3	11.8	11.8	13.7
SEM	.60	.71	.71	.71	.67	.67	1.10
Upper	49.4	49.8	49.8	49.8	52.7	52.7	54.9
Lower	47.0	47.0	47.0	47.0	50.1	50.1	50.6

#### Year

All NSSE administration years since 2004 are listed regardless of participation.

#### SD

*Standard deviation*, the average amount by which students' scores differ from the mean.

An important early step in conducting a multi-year analysis is to review the quality of your data in each year for both first-year and senior respondents. The precision of an institution's population estimates can vary from one year to the next. The values in this table were drawn from the *Respondent Characteristics* reports from each NSSE administration.

**Data Quality Indicators for Each NSSE Participation Year**

Year <sup>a</sup>	Mode <sup>b</sup>	Response Rate <sup>c</sup>		Sampling Error <sup>d</sup>		Number of Respondents <sup>e</sup>	
		FY	SR	FY	SR	FY	SR
2004	Web-only	42%	43%	3.8%	3.7%	586	593
2005							
2006	Web-only	37%	42%	3.1%	2.7%	838	1,023
2007							
2008	Web-only	15%	19%	4.9%	4.3%	367	460
2009							
2010							
2011	Web-only	31%	40%	1.9%	1.9%	1,777	1,609

<sup>a</sup> All NSSE administration years since 2004 are listed regardless of participation.

<sup>b</sup> Modes include *Paper* (students receive a paper survey and the option of completing a Web version), *Web* (students receive all correspondence by e-mail and complete the Web version), and *Web+* (students initially invited to participate via e-mail; a subgroup of nonrespondents receive paper surveys).

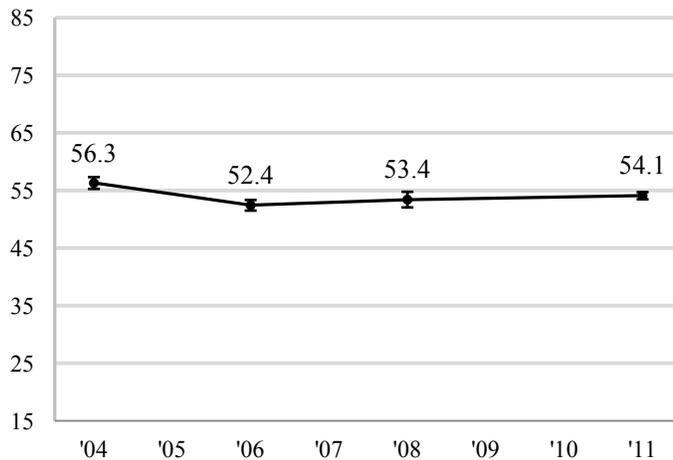
<sup>c</sup> Response rates (number of respondents divided by sample size) adjusted for ineligibility, nondeliverable mailing addresses, and students who were unavailable during the survey administration.

<sup>d</sup> Sampling error gauges the precision of results based on a sample survey. It is an estimate of how much survey item percentages for your respondents could differ from those of the entire population of students at your institution. Data with larger sampling errors (such as +/-10%) need not be dismissed out of hand, but any results using them should be interpreted more conservatively.

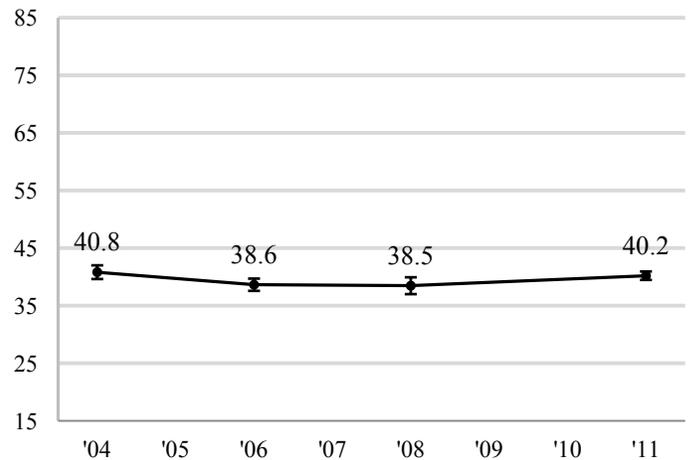
<sup>e</sup> This is the original count used to calculate response rates and sampling errors for each administration's *Respondent Characteristics* report. This number includes all randomly sampled students (including those from census administrations). In 2004 and 2005 it may also include targeted oversamples. For this reason, the counts for 2004 and 2005 may not match those given in the detailed statistics on pages 5 and 7.

**First-Year Students**

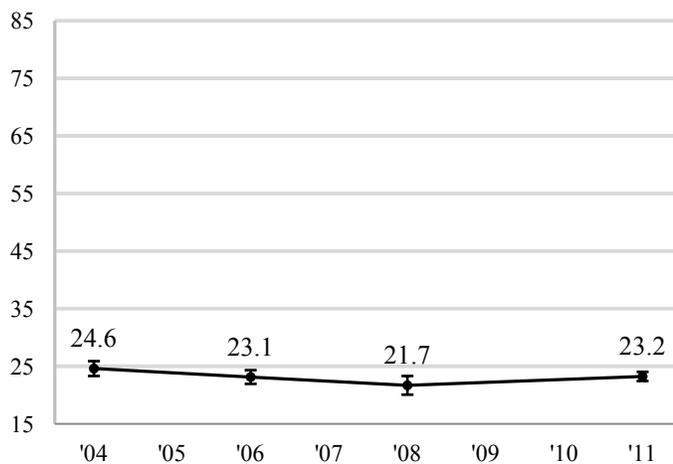
**Level of Academic Challenge (LAC)**



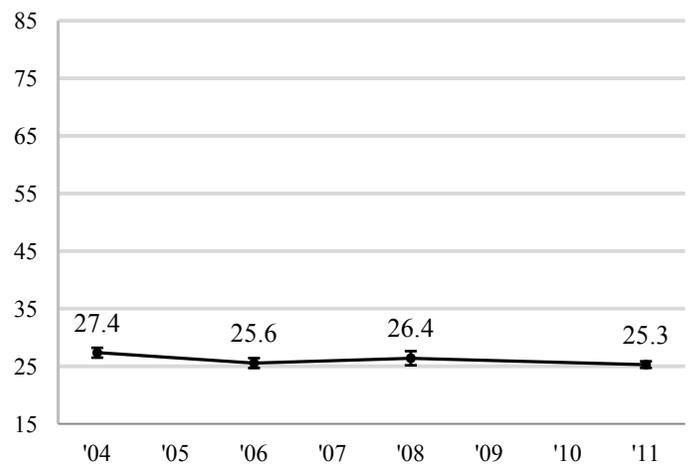
**Active and Collaborative Learning (ACL)**



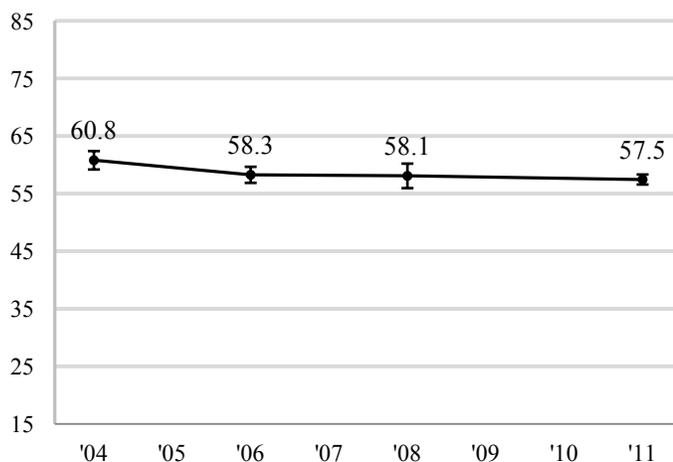
**Student-Faculty Interaction (SFI)**



**Enriching Educational Experiences (EEE)**



**Supportive Campus Environment (SCE)**



Notes:

- Benchmark scores are charted for all years of participation. See page 5 for detailed statistics.
- For more information and recommendations for analyzing multi-year NSSE data, consult the *Multi-Year Data Analysis Guide*. [nsse.iub.edu/pdf/MYDAG.pdf](http://nsse.iub.edu/pdf/MYDAG.pdf)

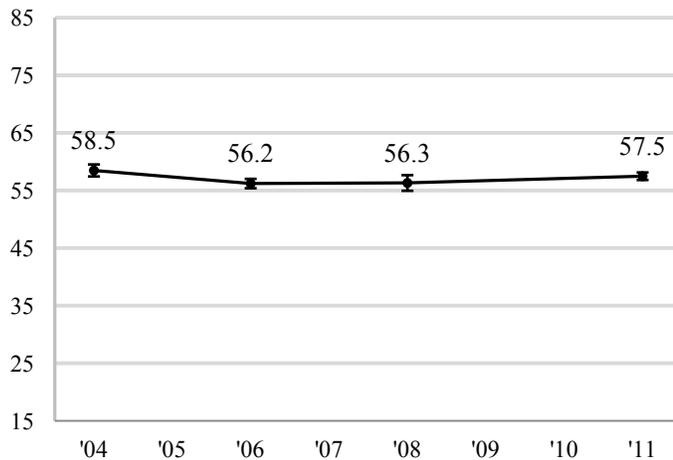
First-Year Students

		2004	2005	2006	2007	2008	2009	2010	2011
<b>Level of Academic Challenge</b>	<b>LAC</b>	<b>56.3</b>		<b>52.4</b>		<b>53.4</b>			<b>54.1</b>
	n	541		770		319			1678
	SD	12.2		13.0		12.4			12.9
	SEM	.52		.47		.69			.32
	Upper	57.3		53.4		54.8			54.7
	Lower	55.3		51.5		52.1			53.5
<b>Active and Collaborative Learning</b>	<b>ACL</b>	<b>40.8</b>		<b>38.6</b>		<b>38.5</b>			<b>40.2</b>
	n	541		835		363			1775
	SD	14.1		15.7		14.2			15.8
	SEM	.61		.54		.75			.37
	Upper	42.0		39.7		39.9			41.0
	Lower	39.6		37.6		37.0			39.5
<b>Student Faculty Interaction</b>	<b>SFI</b>	<b>24.6</b>		<b>23.1</b>		<b>21.7</b>			<b>23.2</b>
	n	541		779		323			1686
	SD	15.3		17.0		14.9			16.6
	SEM	.66		.61		.83			.41
	Upper	25.9		24.3		23.3			24.0
	Lower	23.3		22.0		20.1			22.5
<b>Enriching Educational Experiences</b>	<b>EEE</b>	<b>27.4</b>		<b>25.6</b>		<b>26.4</b>			<b>25.3</b>
	n	541		748		313			1652
	SD	10.2		12.0		11.1			11.9
	SEM	.44		.44		.63			.29
	Upper	28.2		26.4		27.6			25.9
	Lower	26.5		24.7		25.2			24.7
<b>Supportive Campus Environment</b>	<b>SCE</b>	<b>60.8</b>		<b>58.3</b>		<b>58.1</b>			<b>57.5</b>
	n	540		738		308			1631
	SD	19.0		19.3		19.1			17.9
	SEM	.82		.71		1.09			.44
	Upper	62.4		59.7		60.2			58.3
	Lower	59.2		56.9		56.0			56.6

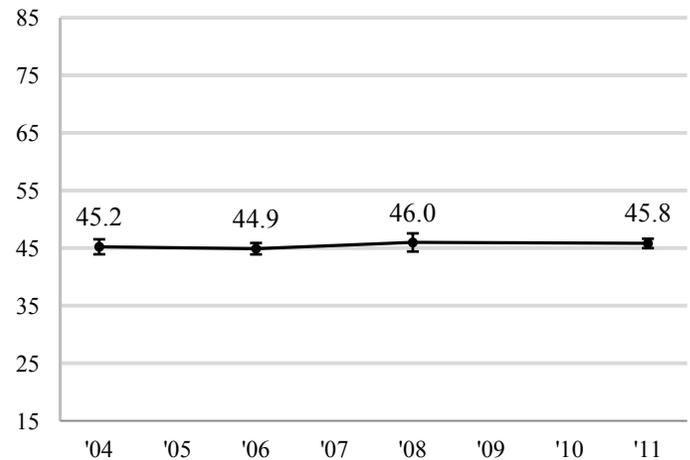
<sup>a</sup> n=number of respondents; SD=standard deviation; SEM=standard error of the mean; Upper/Lower=95% confidence interval limits

Seniors

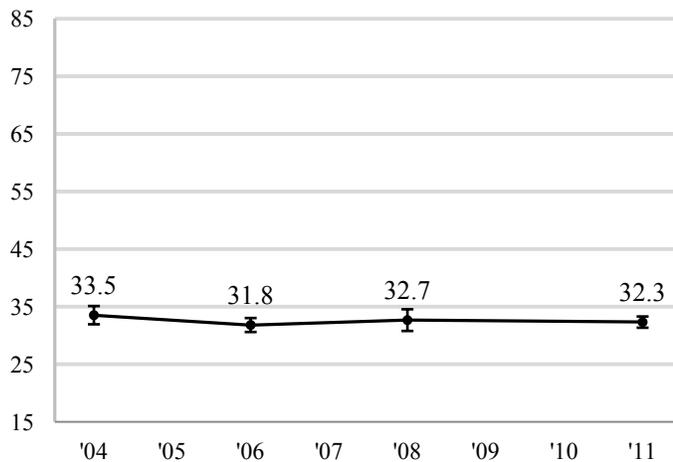
Level of Academic Challenge (LAC)



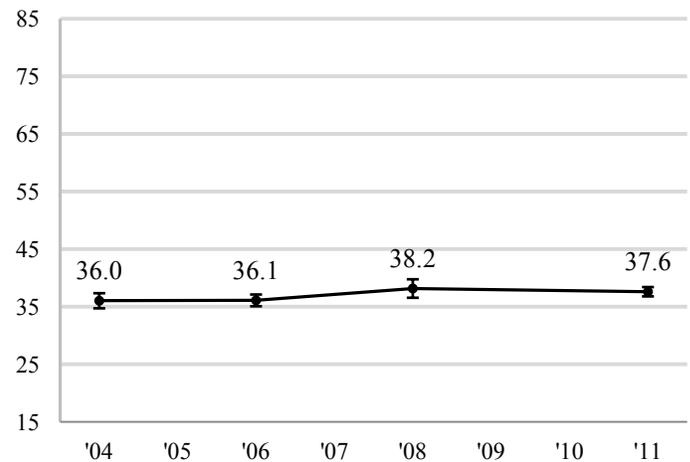
Active and Collaborative Learning (ACL)



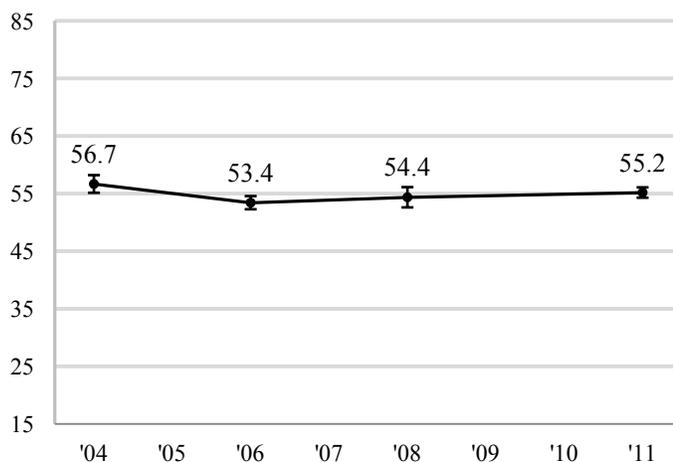
Student-Faculty Interaction (SFI)



Enriching Educational Experiences (EEE)



Supportive Campus Environment (SCE)



Notes:

- Benchmark scores are charted for all years of participation. See page 7 for detailed statistics.
- For more information and recommendations for analyzing multi-year NSSE data, consult the *Multi-Year Data Analysis Guide*. [nse.iub.edu/pdf/MYDAG.pdf](http://nse.iub.edu/pdf/MYDAG.pdf)

		Seniors							
		2004	2005	2006	2007	2008	2009	2010	2011
<b>Level of Academic Challenge</b>	<b>LAC</b>	<b>58.5</b>		<b>56.2</b>		<b>56.3</b>			<b>57.5</b>
	n	570		980		431			1564
	SD	12.7		13.0		14.4			13.2
	SEM	.53		.41		.69			.33
	Upper	59.5		57.0		57.7			58.1
	Lower	57.5		55.4		55.0			56.8
<b>Active and Collaborative Learning</b>	<b>ACL</b>	<b>45.2</b>		<b>44.9</b>		<b>46.0</b>			<b>45.8</b>
	n	570		1021		450			1606
	SD	15.8		16.1		17.1			16.7
	SEM	.66		.51		.81			.42
	Upper	46.5		45.9		47.6			46.6
	Lower	43.9		43.9		44.4			45.0
<b>Student Faculty Interaction</b>	<b>SFI</b>	<b>33.5</b>		<b>31.8</b>		<b>32.7</b>			<b>32.3</b>
	n	570		989		434			1567
	SD	19.3		19.5		20.0			19.7
	SEM	.81		.62		.96			.50
	Upper	35.1		33.0		34.6			33.3
	Lower	32.0		30.6		30.8			31.4
<b>Enriching Educational Experiences</b>	<b>EEE</b>	<b>36.0</b>		<b>36.1</b>		<b>38.2</b>			<b>37.6</b>
	n	570		961		425			1552
	SD	16.0		16.1		16.9			16.3
	SEM	.67		.52		.82			.41
	Upper	37.4		37.1		39.8			38.4
	Lower	34.7		35.1		36.6			36.8
<b>Supportive Campus Environment</b>	<b>SCE</b>	<b>56.7</b>		<b>53.4</b>		<b>54.4</b>			<b>55.2</b>
	n	569		944		416			1540
	SD	18.7		17.9		18.3			18.0
	SEM	.78		.58		.90			.46
	Upper	58.2		54.6		56.1			56.1
	Lower	55.2		52.3		52.6			54.3

<sup>a</sup> n=number of respondents; SD=standard deviation; SEM=standard error of the mean; Upper/Lower=95% confidence interval limits