
Analysis of FHSU Results for the 2009 National Survey of Student Engagement by Major Department

A Study Detailing Engagement
Means for Seniors at the Major
Department Level

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1. Analytic Parameters

These analyses are predicated on the following parameters, unless otherwise indicated:

Dependent measures: 2009 NSSE indexes and questions
Independent variable: Major department
Sample\Population: Students with class rank of senior
Notations: Top five departments are noted in green and the bottom five departments are noted in yellow for each index. Departments with percentage of completion higher than 50% noted in blue.

2. Results

The sampling (n = 710) is drawn from the larger senior population (N = 1670) submitted for analysis. The sample included 422 female students and 288 male students. Of the seniors, 654 were US residents and 23 were international students. Additionally, 233 seniors began their studies at FHSU, while 445 began their college education elsewhere. Regarding enrollment, 252 are characterized as less than full-time and 458 are considered full-time. The racial composition of this sample is noted below.

Native American	Asian	African American	White	Hispanic	Other/Not Identified
0	21	26	604	34	25

The senior sample is comprised of the following student ages:

19 or younger	20 to 23	24 to 29	30 to 39	40 to 55	Over 55
0	325	130	114	102	7

Active department recruitment of senior students to take NSSE is always helpful. The following table details the number of seniors in the sample, the number actually participating, and the response rate.

Major Department		n	Sample	% Response
COAS (341\810 = 42.1%)	101 Art	32	78	41.0%
	104 Chemistry	7	16	43.8%
	117 Communication Studies	13	32	40.6%
	107 English	9	17	52.9%
	120 General Studies	127	312	40.7%

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	105 Geosciences	6	18	33.3%
	109 History	7	22	31.8%
	121 Justice Studies	29	62	46.8%
	122 Leadership Studies	15	42	35.7%
	110 Mathematics and Computer Science	9	19	47.4%
	108 Modern Languages	3	5	60.0%
	111 Music	14	23	60.9%
	112 Philosophy	0	3	
	113 Physics	5	8	62.5%
	114 Political Science	10	16	62.5%
	115 Psychology	19	36	52.8%
	116 Sociology and Social Work	36	101	35.6%
COBL (141\325 = 43.3%)	403 Economics and Finance	28	70	40.0%
	407 Information Networking and Telecommunications	46	96	47.9%
	401 Management and Marketing	67	159	42.1%
COET (86\174 = 49.1%)	235 Teacher Education	74	145	51.0%
	233 Technology Studies	12	29	41.3%
CHLS (142\342 = 41.5%)	300 Agriculture	18	49	36.7%
	305 Allied Health	19	53	35.8%
	302 Biological Sciences	22	39	56.4%
	317 Communication Disorders	12	18	66.6%
	331 Health and Human Performance	33	88	37.5%

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	340 Nursing	38	95	40.0%
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Analysis 2.1: Level of Academic Challenge. This analysis explored the difference between senior students of different major departments on level of academic challenge. This index measures challenging intellectual and creative work deemed 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. This index includes the following items:

- Preparing for class (studying, reading, writing, rehearsing, 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; number of written papers or reports of between 5 and 19 pages; and number of written papers or reports of fewer than 5 pages
- Coursework emphasizing analysis of the basic elements of an idea, experience or theory
- Coursework emphasizing synthesis and organizing of ideas, information, or experiences into new, more complex interpretations and relationships
- Coursework emphasizing the making of judgments about the value of information or arguments
- Coursework emphasizing application of 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 emphasizing time studying and on academic work

Peer Mean	NSSE Mean	n	FHSU Mean	Std Dev	Lower Control Limit	Upper Control Limit
56.9	57.0	691	55.9	13.92	55.06	57.14

Major Department		n	Mean	Std Dev	Minimum	Maximum
COAS	101 Art	31	50.55	12.21	16.02	72.84
	104 Chemistry	6	59.34	4.34	54.65	65.37
	117 Communication Studies	13	57.41	12.42	41.45	75.94
	107 English	9	57.07	14.55	28.65	73.40
	120 General Studies	124	54.54	15.65	7.93	84.74
	105 Geosciences	6	53.93	13.34	43.29	78.14
	109 History	7	56.54	13.23	40.29	80.95
	121 Justice Studies	29	56.69	15.54	30.09	80.95
	122 Leadership Studies	15	56.75	14.49	29.45	86.58
	110 Mathematics and Computer	9	48.72	8.65	28.35	56.61

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	Science					
	108 Modern Languages	3	53.14	2.52	50.23	55.19
	111 Music	13	53.09	12.13	38.32	81.71
	112 Philosophy	0				
	113 Physics	5	67.10	6.34	58.23	75.43
	114 Political Science	9	56.14	10.48	34.96	69.64
	115 Psychology	19	57.24	10.45	35.39	77.16
	116 Sociology and Social Work	35	59.76	11.10	31.94	81.32
COBL	403 Economics and Finance	27	53.88	11.36	37.99	87.12
	407 Information Networking and Telecommunications	43	52.43	14.30	23.27	84.26
	401 Management and Marketing	64	56.81	14.48	27.06	83.98
COET	235 Teacher Education	72	59.99	12.60	25.68	85.61
	233 Technology Studies	12	51.01	17.37	14.18	88.65
CHLS	300 Agriculture	18	46.40	10.86	31.39	72.19
	305 Allied Health	19	54.96	17.66	22.21	85.39
	302 Biological Sciences	22	57.00	11.15	34.96	77.92
	317 Communication Disorders	12	62.21	15.27	42.97	84.85
	331 Health and Human Performance	32	51.43	10.44	31.60	73.33
	340 Nursing	37	67.41	12.51	42.04	88.49

Analysis 2.2: Active and Collaborative Learning. This analysis explored the difference between senior students of different major departments. 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. This index includes the following items:

- 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
- Participated in a community-based project as part of a regular course
- Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)

Peer Mean	NSSE Mean	n	FHSU Mean	Std Dev	Lower Control Limit	Upper Control Limit
51.6	51.0	710	46.1	19.86	45.04	47.96

Major Department		n	Mean	Std Dev	Minimum	Maximum
COAS	101 Art	32	56.97	14.58	22.22	85.71
	104 Chemistry	7	48.13	13.11	38.10	76.19
	117 Communication Studies	13	60.44	12.04	38.10	80.95
	107 English	9	55.56	14.68	38.10	76.19
	120 General Studies	127	32.16	18.81	.00	100.00
	105 Geosciences	6	55.56	11.53	42.86	71.43
	109 History	7	40.82	22.48	14.29	76.19
	121 Justice Studies	29	34.21	16.38	9.52	71.43
	122 Leadership Studies	15	51.56	14.86	23.81	71.43
	110 Mathematics and Computer Science	9	53.97	18.29	19.05	80.95
	108 Modern Languages	3	55.56	9.91	47.62	66.67
	111 Music	14	49.57	12.01	28.57	75.00
	112 Philosophy	0				

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	113 Physics	5	60.00	14.52	6.49	42.86
	114 Political Science	10	50.83	14.51	33.33	75.00
	115 Psychology	19	51.13	14.09	19.05	76.19
	116 Sociology and Social Work	36	39.25	19.08	44.76	85.71
COBL	403 Economics and Finance	28	45.29	19.06	4.76	90.48
	407 Information Networking and Telecommunications	46	38.10	17.53	.00	85.71
	401 Management and Marketing	67	46.23	17.77	4.76	80.95
COET	235 Teacher Education	74	54.63	21.79	.00	100.00
	233 Technology Studies	12	49.60	18.99	28.87	95.24
CHLS	300 Agriculture	18	52.73	14.78	23.81	76.19
	305 Allied Health	19	57.14	22.56	23.81	90.48
	302 Biological Sciences	22	50.09	15.03	19.05	76.19
	317 Communication Disorders	12	55.29	13.41	33.33	71.43
	331 Health and Human Performance	33	54.33	14.06	28.57	90.48
	340 Nursing	38	58.21	19.87	14.29	90.48

Analysis 2.3: Student-Faculty Interaction. This analysis explored the difference between senior students of different major departments. 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. This index includes the following items:

- 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 with a faculty member on a research project outside of course or program requirements

Peer Mean	NSSE Mean	n	FHSU Mean	Std Dev	Lower Control Limit	Upper Control Limit
41.8	42.0	698	41.0	20.26	39.63	42.65

Major Department		n	Mean	Std Dev	Minimum	Maximum
COAS	101 Art	31	43.73	22.58	.00	100.00
	104 Chemistry	6	48.15	22.13	27.78	88.89
	117 Communication Studies	13	50.85	23.22	16.67	100.00
	107 English	9	61.11	18.00	27.78	88.89
	120 General Studies	124	33.26	18.29	.00	100.00
	105 Geosciences	6	51.85	24.51	27.78	94.44
	109 History	7	30.95	18.66	11.11	61.11
	121 Justice Studies	29	35.06	20.79	11.11	94.44
	122 Leadership Studies	15	43.33	18.33	11.11	77.78
	110 Mathematics and Computer Science	9	46.30	25.76	11.11	83.33
	108 Modern Languages	3	50.00	9.62	38.89	55.56
	111 Music	13	38.89	13.22	27.78	72.22
	112 Philosophy	0				
	113 Physics	5	66.67	5.56	61.11	72.22

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	114 Political Science	9	49.38	21.60	22.22	83.33
	115 Psychology	19	47.37	16.39	22.22	88.89
	116 Sociology and Social Work	35	36.32	15.75	11.11	66.67
COBL	403 Economics and Finance	27	35.68	19.37	5.56	77.78
	407 Information Networking and Telecommunications	46	35.65	17.68	.00	94.44
	401 Management and Marketing	64	35.09	19.74	.00	83.33
COET	235 Teacher Education	73	41.05	19.53	5.56	93.33
	233 Technology Studies	12	48.15	21.23	22.22	88.89
CHLS	300 Agriculture	18	46.30	15.24	22.22	83.33
	305 Allied Health	19	57.25	22.90	22.22	100.00
	302 Biological Sciences	21	46.56	19.28	16.67	83.33
	317 Communication Disorders	12	51.57	18.15	27.78	83.33
	331 Health and Human Performance	32	48.92	17.81	16.67	83.33
	340 Nursing	37	49.94	21.14	5.56	94.44

Analysis 2.4: Enriching Educational Experiences. This analysis explored the difference between senior students of different major departments. 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. This index includes the following items:

- Participating in co-curricular activities (organizations, publications, student government, sports)
- Practicum, internship, field experience, co-op experience, or clinical assignment
- Community service or volunteer work
- Foreign language coursework & 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
- Using electronic technology 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

Peer Mean	NSSE Mean	n	FHSU Mean	Std Dev	Lower Control Limit	Upper Control Limit
38.5	40.9	685	34.0	15.56	32.98	35.32

Major Department		n	Mean	Std Dev	Minimum	Maximum
COAS	101 Art	30	33.47	16.16	8.33	63.89
	104 Chemistry	6	43.98	12.33	28.57	58.33
	117 Communication Studies	13	44.05	14.28	25.00	71.83
	107 English	9	37.87	19.06	11.11	63.49
	120 General Studies	124	30.21	17.09	2.78	94.44
	105 Geosciences	6	40.87	21.08	16.67	73.41
	109 History	7	32.03	17.44	5.56	53.97
	121 Justice Studies	29	36.98	18.14	11.11	79.37
	122 Leadership Studies	14	40.38	17.92	11.11	72.22

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	110 Mathematics and Computer Science	9	37.77	20.53	13.89	78.57
	108 Modern Languages	3	40.61	31.88	5.56	67.86
	111 Music	13	42.22	14.93	17.86	63.10
	112 Philosophy	0				
	113 Physics	5	31.83	14.21	15.08	52.78
	114 Political Science	9	54.89	17.24	21.83	82.94
	115 Psychology	19	35.17	11.57	16.19	57.58
	116 Sociology and Social Work	35	34.39	13.05	8.33	52.78
COBL	403 Economics and Finance	27	33.08	11.49	11.11	60.32
	407 Information Networking and Telecommunications	43	28.17	15.58	.00	67.86
	401 Management and Marketing	63	29.55	14.06	5.56	61.90
COET	235 Teacher Education	71	37.04	13.92	8.33	75.79
	233 Technology Studies	12	37.96	16.80	20.63	81.35
CHLS	300 Agriculture	18	27.76	11.71	5.56	46.83
	305 Allied Health	18	36.97	12.07	19.44	58.33
	302 Biological Sciences	22	32.34	14.75	8.33	67.86
	317 Communication Disorders	12	39.19	13.47	23.41	62.38
	331 Health and Human Performance	32	36.24	10.38	19.05	54.76
	340 Nursing	36	35.17	13.90	13.89	61.11

Analysis 2.5: Supportive Campus Environment. This analysis explored the difference between senior students. 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. This index includes the following items:

- 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

Peer Mean	NSSE Mean	n	FHSU Mean	Std Dev	Lower Control Limit	Upper Control Limit
58.8	58.2	680	60.3	18.00	59.07	61.78

Major Department		n	Mean	Std Dev	Minimum	Maximum
COAS	101 Art	30	61.57	18.84	22.22	94.44
	104 Chemistry	6	57.41	10.92	44.44	68.44
	117 Communication Studies	13	59.19	15.02	38.89	80.56
	107 English	9	64.20	14.40	41.67	83.33
	120 General Studies	123	58.83	17.77	13.89	100.00
	105 Geosciences	6	62.50	10.05	44.44	75.00
	109 History	7	39.68	24.62	13.89	69.44
	121 Justice Studies	29	58.81	16.10	22.22	91.67
	122 Leadership Studies	14	63.10	17.95	41.67	100.00
	110 Mathematics and Computer Science	8	61.46	17.09	25.00	80.56
	108 Modern Languages	3	70.37	3.21	66.67	72.22
	111 Music	13	58.59	12.98	41.67	80.56
	112 Philosophy	0				
	113 Physics	5	77.78	15.71	50.00	88.89
	114 Political Science	9	63.27	13.52	41.67	77.78

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	115 Psychology	18	62.04	16.25	25.00	100.00
	116 Sociology and Social Work	35	60.98	18.24	16.67	91.67
COBL	403 Economics and Finance	27	60.60	19.11	19.44	100.00
	407 Information Networking and Telecommunications	43	54.59	20.11	11.11	94.44
	401 Management and Marketing	63	56.14	18.28	19.44	94.44
COET	235 Teacher Education	71	62.47	21.75	2.78	100.00
	233 Technology Studies	12	65.05	14.72	36.11	91.67
CHLS	300 Agriculture	18	58.64	12.12	33.33	80.56
	305 Allied Health	18	73.21	13.05	56.67	100.00
	302 Biological Sciences	22	62.12	13.97	33.33	97.22
	317 Communication Disorders	12	59.49	17.59	19.44	83.33
	331 Health and Human Performance	32	67.10	15.73	36.11	100.00
	340 Nursing	34	60.62	18.78	16.67	100.00