

NSSE 2017 Engagement Indicators Internal Consistency Statistics by Class Level

Theme	Engagement Indicator	Variable name	Variable label	Intercorrelations (First-year shaded; Senior not shaded)						
				1	2	3	4			
<i>Academic Challenge</i>	Higher-Order Learning	Cronbach's alpha: First-year = .84; Senior = .84								
		1 HOapply	Applying facts, theories, or methods to practical problems or new situations		.63	.44	.48			
		2 HOanalyze	Analyzing an idea, experience, or line of reasoning in depth by examining its parts	.62		.62	.59			
		3 HOevaluate	Evaluating a point of view, decision, or information source	.45	.62		.67			
		4 HOform	Forming a new idea or understanding from various pieces of information	.46	.56	.65				
	Reflective & Integrative Learning	Cronbach's alpha: First-year = .85; Senior = .87								
		1 Rintegrate	Combined ideas from different courses when completing assignments		.51	.38	.41	.37	.39	.47
		2 Rsocietal	Connected your learning to societal problems or issues	.52		.63	.52	.47	.45	.48
		3 Rldiverse	Included diverse perspectives (...) in course discussions or assignments	.40	.57		.56	.48	.42	.41
		4 Rlownview	Examined the strengths and weaknesses of your own views on a topic or issue	.40	.47	.52		.62	.49	.48
		5 Rlperspect	Tried to better understand someone else's views by imagining...his or her perspective	.35	.41	.43	.57		.54	.48
		6 Rlnewview	Learned something that changed the way you understand an issue or concept	.37	.42	.38	.46	.51		.59
		7 Rlconnect	Connected ideas from your courses to your prior experiences and knowledge	.43	.44	.40	.46	.47	.57	
	Learning Strategies	Cronbach's alpha: First-year = .76; Senior = .77								
		1 LSreading	Identified key information from reading assignments		.42	.48				
		2 LSnotes	Reviewed your notes after class	.41		.67				
		3 LSsummary	Summarized what you learned in class or from course materials	.46	.64					
	Quantitative Reasoning	Cronbach's alpha: First-year = .82; Senior = .83								
		1 QRconclude	Reached conclusions based on your own analysis of numerical information (...)		.60	.59				
		2 QRproblem	Used numerical information to examine a real-world problem or issue (...)	.56		.70				
		3 QRevaluate	Evaluated what others have concluded from numerical information	.56	.69					

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<i>Learning with Peers</i>	Collaborative Learning	Cronbach's alpha: First-year = .82; Senior = .82						
		1 CLaskhelp	Asked another student to help you understand course material		.56	.59	.47	
		2 Clexplain	Explained course material to one or more students	.55		.56	.47	
		3 CLstudy	Prepared for exams by discussing or working through course material w/other students	.56	.54		.58	
		4 CLproject	Worked with other students on course projects or assignments	.48	.47	.61		
	Discussions with Diverse Others	Cronbach's alpha: First-year = .86; Senior = .89						
		1 DDrace	Discussions with... People of a race or ethnicity other than your own		.75	.67	.55	
		2 DDeconomic	Discussions with... People from an economic background other than your own	.72		.71	.62	
		3 DDreligion	Discussions with... People with religious beliefs other than your own	.61	.66		.66	
		4 DDpolitical	Discussions with... People with political views other than your own	.51	.59	.61		
<i>Experiences with Faculty</i>	Student-Faculty Interaction	Cronbach's alpha: First-year = .82; Senior = .84						
		1 SFcareer	Talked about career plans with a faculty member		.55	.57	.57	
		2 SFotherwork	Worked with a faculty member on activities other than coursework (...)	.50		.62	.49	
		3 SFdiscuss	Discussed course topics, ideas, or concepts with a faculty member outside of class	.49	.58		.60	
		4 SFperform	Discussed your academic performance with a faculty member	.53	.48	.58		
	Effective Teaching Practices	Cronbach's alpha: First-year = .84; Senior = .86						
		1 ETgoals	Instructors... Clearly explained course goals and requirements		.67	.58	.45	.51
		2 ETorganize	Instructors... Taught course sessions in an organized way	.61		.65	.46	.53
		3 ETexample	Instructors... Used examples or illustrations to explain difficult points	.53	.61		.50	.53
		4 ETdraftfb	Instructors... Provided feedback on a draft or work in progress	.42	.43	.48		.64
		5 ETfeedback	Instructors... Provided prompt and detailed feedback on tests or completed assignments	.45	.46	.48	.63	

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<i>Campus Environment</i>	Quality of Interactions	Cronbach's alpha: First-year = .86; Senior = .83								
		1 Qlstudent	Quality of interactions with... Students		.35	.44	.42	.38		
		2 Qladvisor	Quality of interactions with... Academic advisors	.41		.54	.50	.49		
		3 Qlfaculty	Quality of interactions with... Faculty	.47	.61		.54	.52		
		4 Qlstaff	Quality of interactions with... Student services staff...	.46	.55	.63		.70		
5 Qladmin	Quality of interactions with... Other administrative staff and offices...	.41	.56	.63	.71					
	Supportive Environment	Cronbach's alpha: First-year = .88; Senior = .88								
1 SEacademic		Inst. emphasizes... Providing support to help students succeed academically		.62	.48	.49	.49	.40	.35	.38
2 SElearnsup		Inst. emphasizes... Using learning support services (...)	.64		.45	.46	.47	.34	.36	.38
3 SEdiverse		Inst. emphasizes... Encouraging contact among students from different backgrounds...	.48	.45		.58	.51	.46	.37	.48
4 SESocial		Inst. emphasizes... Providing opportunities to be involved socially	.51	.48	.59		.67	.47	.56	.54
5 SEwellness		Inst. emphasizes... Providing support for your overall well-being...	.51	.47	.52	.66		.56	.55	.53
6 SENonacad		Inst. emphasizes... Helping you manage your non-academic responsibilities (...)	.37	.30	.47	.48	.56		.45	.50
7 SEactivities		Inst. emphasizes... Attending campus activities and events (...)	.39	.37	.41	.57	.54	.47		.68
8 SEevents	Inst. emphasizes... Attending events that address important social/econ./polit. issues	.39	.36	.49	.53	.51	.51	.66		

Notes:

- Results are based on census-administered or randomly selected students who responded to the NSSE 2017 questionnaire, including 169,705 first-year students and 212,788 seniors attending 636 U.S. institutions.
- Results are weighted by institution-reported sex and enrollment status, and by institution size.