

FSSE 2017 Scales

Internal Consistency Statistics by Division

Theme	Engagement Indicator	Variable name	Variable label	Intercorrelations (Lower shaded; Upper not shaded)							
<i>Academic Challenge</i>	Higher-Order Learning	Cronbach's alpha: Lower = 0.74; Upper = 0.73		1	2	3	4				
		1 fHOapply	Applying facts, theories, or methods to practical problems or new situations		.36	.19	.23				
		2 fHOanalyze	Analyzing an idea, experience, or line of reasoning in depth by examining its parts	.40		.52	.48				
		3 fHOevaluate	Evaluating a point of view, decision, or information source	.15	.56		.58				
		4 fHOform	Forming a new idea or understanding from various pieces of information	.22	.54	.63					
Reflective & Integrative Learning	Cronbach's alpha: Lower = 0.89; Upper = 0.87		1	2	3	4	5	6	7		
	1 fRIintegrate	Combine ideas from different courses when completing assignments		.36	.32	.32	.30	.28	.43		
	2 fRIsocietal	Connect their learning to societal problems or issues	.45		.73	.57	.64	.46	.38		
	3 fRIdiverse	Include diverse perspectives (...) in course discussions or assignments	.41	.75		.66	.75	.48	.37		
	4 fRIownview	Examine the strengths and weaknesses of their own views on a topic or issue	.40	.62	.69		.76	.55	.42		
	5 fRIperspect	Try to better understand someone else's views by imagining...their perspective	.40	.67	.78	.77		.55	.42		
	6 fRInewview	Learn something that changed the way they understand an issue or concept	.33	.49	.49	.56	.56		.53		
		7 fRIconnect	Connect ideas from your courses to their prior experiences and knowledge	.44	.44	.40	.47	.45	.57		
Learning Strategies	Cronbach's alpha: Lower = 0.76; Upper = 0.77		1	2	3						
	1 fLSreading	Identified key information from reading assignments		.44	.52						
	2 fLSnotes	Reviewed notes after class	.42		.62						
		3 fLSsummary	Summarized what has been learned in class or from course materials	.51	.62						
Quantitative Reasoning	Cronbach's alpha: Lower = 0.88; Upper = 0.87		1	2	3						
	1 fQRconclude	Reach conclusions based on their own analysis of numerical information (...)		.67	.61						
	2 fQRproblem	Use numerical information to examine a real-world problem or issue (...)	.69		.77						
		3 fQRevaluate	Evaluated what others have concluded from numerical information	.64	.80						

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<i>Learning with Peers</i>	Collaborative Learning	Cronbach's alpha: Lower = 0.85; Upper = 0.83		1	2	3	4							
		1 fCLaskhelp	Ask other students for help understanding course material		.76	.57	.47							
		2 fCLexplain	Explain course material to other students	.78		.62	.45							
		3 fCLstudy	Prepare for exams by discussing or working through course material w/other students	.61	.65		.46							
		4 fCLproject	Work with other students on course projects or assignments	.52	.52	.51								
	Discussions with Diverse Others	Cronbach's alpha: Lower = 0.94; Upper = 0.93		1	2	3	4							
		1 fDDrace	Discussions with... People of a race or ethnicity other than their own		.83	.76	.70							
		2 fDDeconomic	Discussions with... People from an economic background other than their own	.84		.80	.76							
		3 fDDreligion	Discussions with... People with religious beliefs other than their own	.77	.80		.83							
		4 fDDpolitical	Discussions with... People with political views other than their own	.72	.78	.83								
<i>Experiences with Faculty</i>	Student-Faculty Interaction	Cronbach's alpha: Lower = 0.77; Upper = 0.78		1	2	3	4							
		1 fSFcareer	Talked about their career plans		.48	.52	.47							
		2 fSFotherwork	Worked on activities other than coursework (...)	.51		.51	.34							
		3 fSFdiscuss	Discussed course topics, ideas, or concepts outside of class	.53	.47		.50							
		4 fSFperform	Discussed their academic performance	.48	.31	.49								
	Effective Teaching Practices	Cronbach's alpha: Lower = 0.76; Upper = 0.77		1	2	3	4	5	6	7	8			
		1 fETgoals	Instructors... Clearly explain course goals and requirements		.45	.30	.25	.29	.36	.24	.30			
		2 fETorganize	Instructors... Teach course sessions in an organized way	.41		.40	.22	.28	.30	.16	.33			
		3 fETexample	Instructors... Use examples or illustrations to explain difficult points	.30	.42		.35	.30	.21	.16	.23			
		4 fETvariety	Instructors... Use a variety of teaching techniques to accommodate...	.26	.22	.33		.41	.38	.31	.22			
		5 fETreview	Instructors... Review and summarize material for students	.33	.28	.31	.41		.38	.30	.28			
		6 fETstandards	Instructors... Provide standards for satisfactory completion of assignments (...)	.37	.27	.21	.35	.35		.39	.33			
		7 fETdraftfb	Instructors... Provide feedback on drafts or works in progress	.25	.14	.14	.32	.31	.41		.36			
		8 fETfeedback	Instructors... Provide prompt and detailed feedback on tests or completed assignments	.29	.33	.24	.22	.31	.30	.34				

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<i>Campus Environment</i>	Quality of Interactions	Cronbach's alpha: Lower = 0.85; Upper = 0.85								
		1 fQIstudent	Quality of interactions with... Other students		.47	.52	.45	.39		
		2 fQIadvisor	Quality of interactions with... Academic advisors	.45		.63	.60	.57		
		3 fQIfaculty	Quality of interactions with... Faculty	.48	.63		.54	.50		
		4 fQIstaff	Quality of interactions with... Student services staff...	.42	.58	.56		.74		
5 fQIadmin	Quality of interactions with... Other administrative staff and offices...	.38	.58	.52	.73					
	Supportive Environment	Cronbach's alpha: Lower = 0.87; Upper = 0.86								
1 fSEacademic		Inst. emphasizes... Providing support to help students succeed academically		.62	.39	.37	.45	.36	.28	.28
2 fSElearnsup		Inst. emphasizes... Using learning support services (...)	.66		.40	.37	.42	.37	.30	.30
3 fSEdiverse		Inst. emphasizes... Encouraging contact among students from different backgrounds...	.37	.38		.51	.50	.41	.39	.52
4 fSEsocial		Inst. emphasizes... Providing opportunities for students to be involved socially	.37	.37	.50		.60	.50	.55	.47
5 fSEwellness		Inst. emphasizes... Providing support for students overall well-being...	.44	.40	.49	.59		.56	.48	.46
6 fSEnonacad		Inst. emphasizes... Helping students manage their non-academic responsibilities (...)	.39	.39	.43	.50	.58		.46	.45
7 fSEactivities		Inst. emphasizes... Students attending campus activities and events (...)	.29	.30	.40	.55	.47	.46		.62
8 fSEevents	Inst. emphasizes... Students attending events that address important social/econ./polit. issues	.29	.30	.54	.47	.45	.45	.63		

Notes:

- Results are based on census-administered or randomly selected faculties who responded to FSSE 2017, including 7,821 lower division faculties and 11,381 upper division faculties at 154 U.S. institutions.