

FSSE 2015 Scales Internal Consistency Statistics by Division

Theme	Scale	Variable name	Variable label	Intercorrelations (Lower shaded; Upper not shaded)							
<i>Academic Challenge</i>	Higher-Order Learning	Cronbach's alpha: Lower = 0.72; Upper = 0.73		1	2	3	4				
		1 fHOapply	Applying facts, theories, or methods to practical problems or new situations		.38	.19	.24				
		2 fHOanalyze	Analyzing an idea, experience, or line of reasoning in depth by examining its parts	.40		.53	.50				
		3 fHOevaluate	Evaluating a point of view, decision, or information source	.13	.52		.58				
		4 fHOform	Forming a new idea or understanding from various pieces of information	.21	.50	.59					
	Reflective & Integrative Learning	Cronbach's alpha: Lower = 0.88; Upper = 0.88		1	2	3	4	5	6	7	
		1 fRIintegrate	Combine ideas from different courses when completing assignments		.38	.32	.32	.30	.26	.40	
		2 fRIsocietal	Connect his or her learning to societal problems or issues	.42		.74	.60	.65	.46	.42	
		3 fRIdiverse	Include diverse perspectives (...) in course discussions or assignments	.38	.75		.67	.75	.48	.39	
		4 fRIownview	Examine the strengths and weaknesses of his or her own views on a topic or issue	.38	.63	.69		.76	.55	.45	
		5 fRIperspect	Try to better understand someone else's views by imagining...his or her perspective	.37	.67	.78	.78		.56	.45	
		6 fRInewview	Learn something that changed the way you understand an issue or concept	.30	.47	.48	.57	.55		.55	
	7 fRIconnect	Connect ideas from your courses to his or her prior experiences and knowledge	.39	.42	.40	.46	.45	.57			
	Learning Strategies	Cronbach's alpha: Lower = 0.76; Upper = 0.77		1	2	3					
		1 fLSreading	Identified key information from reading assignments		.45	.53					
		2 fLSnotes	Reviewed your notes after class	.42		.62					
		3 fLSummary	Summarized what you learned in class or from course materials	.50	.64						
	Quantitative Reasoning	Cronbach's alpha: Lower = 0.89; Upper = 0.89		1	2	3					
		1 fQRconclude	Reach conclusions based on his or her own analysis of numerical information (...)		.73	.67					
		2 fQRproblem	Use numerical information to examine a real-world problem or issue (...)	.72		.77					
		3 fQRevaluate	Evaluated what others have concluded from numerical information	.68	.80						

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<i>Learning with Peers</i>	Collaborative Learning	Cronbach's alpha: Lower = 0.84; Upper = 0.83		1	2	3	4					
		1 fCLaskhelp	Ask another student to help you understand course material		.76	.57	.45					
		2 fCLexplain	Explaine course material to other students	.77		.60	.44					
		3 fCLstudy	Prepare for exams by discussing or working through course material w/other students	.59	.63		.46					
		4 fCLproject	Work with other students on course projects or assignments	.49	.48	.49						
	Discussions with Diverse Others	Cronbach's alpha: Lower = 0.94; Upper = 0.94		1	2	3	4					
		1 fDDrace	Discussions with... People of a race or ethnicity other than your own		.82	.74	.71					
		2 fDDeconomic	Discussions with... People from an economic background other than your own	.85		.80	.78					
		3 fDDreligion	Discussions with... People with religious beliefs other than your own	.77	.80		.85					
		4 fDDpolitical	Discussions with... People with political views other than your own	.74	.80	.86						
	<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 with the undergraduate students		.48	.52	.49				
			2 fSFotherwork	Worked with the undergraduate students on activities other than coursework (...)	.51		.51	.36				
3 fSFdiscuss			Discussed course topics, ideas, or concepts with the undergraduate students outside of class	.52	.48		.52					
4 fSFperform			Discussed their academic performance with the undergraduate students	.45	.30	.48						
Effective Teaching Practices		Cronbach's alpha: Lower = 0.75; Upper = 0.77		1	2	3	4	5	6	7	8	
		1 fETgoals	Instructors... Clearly explaine course goals and requirements		.41	.27	.25	.32	.34	.25	.29	
		2 fETorganize	Instructors... Teach course sessions in an organized way	.41		.39	.22	.30	.28	.16	.35	
		3 fETexample	Instructors... Use examples or illustrations to explain difficult points	.28	.39		.32	.31	.22	.17	.25	
		4 fETvariety	Instructors... Use a variety of teaching techniques to accommodate diversity in student learning styles	.22	.19	.33		.41	.37	.33	.22	
		5 fETreview	Instructors... Review and summarize material for students	.28	.28	.31	.40		.36	.31	.32	
		6 fETstandards	Instructors... Provide standards for satisfactory completion of assignments (...)	.33	.28	.21	.35	.35		.39	.31	
		7 fETdraftfb	Instructors... Provide feedback on drafts or works in progress	.21	.12	.15	.31	.29	.41		.36	
8 fETfeedback	Instructors... Provide prompt and detailed feedback on tests or completed assignments	.28	.32	.24	.22	.31	.30	.33				

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				1	2	3	4	5			
<i>Campus Environment</i>	Quality of Interactions	Cronbach's alpha: Lower = 0.85; Upper = 0.85									
		1 fQlstudent	Quality of interactions with... Other students		.47	.51	.42	.38			
		2 fQladvisor	Quality of interactions with... Academic advisors	.44		.64	.57	.54			
		3 fQlfaculty	Quality of interactions with... Faculty	.46	.66		.54	.49			
		4 fQlstaff	Quality of interactions with... Student services staff...	.42	.59	.55		.73			
	5 fQladmin	Quality of interactions with... Other administrative staff and offices...	.38	.57	.51	.72					
	Supportive Environment	Cronbach's alpha: Lower = 0.86; Upper = 0.86									
		1 fSEacademic	Inst. increase... Providing support to help students succeed academically		.64	.39	.36	.43	.38	.27	.27
		2 fSElearnsup	Inst. increase... Using learning support services (...)	.66		.40	.36	.41	.38	.28	.29
		3 fSEdiverse	Inst. increase... Encouraging contact among students from different backgrounds...	.35	.36		.51	.49	.42	.39	.52
		4 fSEsocial	Inst. increase... Providing opportunities for students to be involved socially	.36	.37	.50		.63	.48	.56	.47
		5 fSEwellness	Inst. increase... Providing support for students overall well-being...	.44	.41	.49	.61		.55	.49	.44
		6 fSEnonacad	Inst. increase... Helping students manage their non-academic responsibilities (...)	.37	.38	.39	.48	.56		.44	.44
		7 fSEactivities	Inst. increase... Students attending campus activities and events (...)	.26	.28	.42	.54	.48	.43		.62
	8 fSEevents	Inst. increase... Students attending events that address important social/econ./polit. issues	.24	.27	.51	.45	.43	.40	.63		

Notes:

- Results are based on faculty who responded to FSSE 2015, 6,857 who taught lower-division courses and 8,981 who taught upper-division courses at 133 U.S. institutions.