

FSSE 2014 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 = 0.72		1	2	3	4				
		1 fHOapply	Applying facts, theories, or methods to practical problems or new situations		.36	.18	.20				
		2 fHOanalyze	Analyzing an idea, experience, or line of reasoning in depth by examining its parts	.37		.53	.49				
		3 fHOevaluate	Evaluating a point of view, decision, or information source	.10	.54		.58				
		4 fHOform	Forming a new idea or understanding from various pieces of information	.19	.53	.59					
Reflective & Integrative Learning	Cronbach's alpha: Lower = 0.88; Upper = 0.87		1	2	3	4	5	6	7		
	1 fRIintegrate	Combine ideas from different courses when completing assignments		.39	.33	.31	.32	.28	.38		
	2 fRIsocietal	Connect his or her learning to societal problems or issues	.45		.72	.57	.63	.47	.42		
	3 fRIdiverse	Include diverse perspectives (...) in course discussions or assignments	.38	.75		.65	.75	.47	.39		
	4 fRIlowview	Examine the strengths and weaknesses of his or her own views on a topic or issue	.38	.64	.69		.75	.56	.44		
	5 fRIperspect	Try to better understand someone else's views by imagining...his or her perspective	.39	.67	.78	.78		.56	.45		
	6 fRInewview	Learn something that changed the way you understand an issue or concept	.31	.48	.48	.57	.57		.56		
	7 fRIconnect	Connect ideas from your courses to his or her prior experiences and knowledge	.42	.48	.44	.48	.49	.60			
Learning Strategies	Cronbach's alpha: Lower = 0.76; Upper = 0.76		1	2	3						
	1 fLSreading	Identified key information from reading assignments		.42	.49						
	2 fLSnotes	Reviewed your notes after class	.43		.61						
	3 fLSsummary	Summarized what you learned in class or from course materials	.50	.63							
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 (...)	.75		.77						
	3 fQRevaluate	Evaluated what others have concluded from numerical information	.68	.79							

FSSE 2014 Scales Internal Consistency Statistics by Division

Theme	Scale	Variable name	Variable label	Intercorrelations (Lower shaded; Upper not shaded)										
<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		.77	.56	.45							
		2 fCLexplain	Explaine course material to other students	.77		.59	.45							
		3 fCLstudy	Prepare for exams by discussing or working through course material w/other students	.59	.61		.46							
		4 fCLproject	Work with other students on course projects or assignments	.50	.50	.48								
	Discussions with Diverse Others	Cronbach's alpha: Lower = 0.93; Upper = 0.93		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	.81		.78	.77							
		3 fDDreligion	Discussions with... People with religious beliefs other than your own	.75	.78		.84							
		4 fDDpolitical	Discussions with... People with political views other than your own	.71	.77	.84								
<i>Experiences with Faculty</i>	Student-Faculty Interaction	Cronbach's alpha: Lower = 0.76; Upper = 0.77		1	2	3	4							
		1 fSFcareer	Talked about their career plans with the undergraduate students		.46	.51	.46							
		2 fSFotherwork	Worked with the undergraduate students on activities other than coursework (...)	.50		.47	.33							
		3 fSFdiscuss	Discussed course topics, ideas, or concepts with the undergraduate students outside of class	.50	.48		.51							
		4 fSFperform	Discussed their academic performance with the undergraduate students	.45	.30	.47								
	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		.43	.29	.27	.29	.35	.24	.29			
		2 fETorganize	Instructors... Teach course sessions in an organized way	.40		.39	.22	.27	.29	.16	.34			
		3 fETexample	Instructors... Use examples or illustrations to explain difficult points	.28	.36		.35	.33	.22	.17	.24			
		4 fETvariety	Instructors... Use a variety of teaching techniques to accommodate diversity in student learning styles	.24	.21	.34		.41	.37	.33	.21			
		5 fETreview	Instructors... Review and summarize material for students	.28	.28	.30	.39		.35	.31	.27			
		6 fETstandards	Instructors... Provide standards for satisfactory completion of assignments (...)	.34	.27	.20	.35	.34		.40	.32			
		7 fETdraftfb	Instructors... Provide feedback on drafts or works in progress	.24	.13	.15	.33	.28	.42		.36			
		8 fETfeedback	Instructors... Provide prompt and detailed feedback on tests or completed assignments	.28	.32	.21	.18	.26	.29	.33				

FSSE 2014 Scales Internal Consistency Statistics by Division

Theme	Scale	Variable name	Variable label	Intercorrelations (Lower shaded; Upper not shaded)					
				1	2	3	4	5	
<i>Campus Environment</i>	Quality of Interactions	Cronbach's alpha: Lower = 0.84; Upper = 0.85							
		1 fQIstudent	Quality of interactions with... Other students						
		2 fQIadvisor	Quality of interactions with... Academic advisors	.44					
		3 fQIfaculty	Quality of interactions with... Faculty	.45	.64				
		4 fQIstaff	Quality of interactions with... Student services staff...	.40	.58	.54			
	5 fQIadmin	Quality of interactions with... Other administrative staff and offices...	.36	.54	.48	.70			
	Supportive Environment	Cronbach's alpha: Lower = 0.86; Upper = 0.86							
		1 fSEacademic	Inst. increase... Providing support to help students succeed academically						
		2 fSElearnsup	Inst. increase... Using learning support services (...)	.65					
		3 fSEdiverse	Inst. increase... Encouraging contact among students from different backgrounds...	.36	.40				
4 fSEsocial		Inst. increase... Providing opportunities for students to be involved socially	.36	.37	.50				
5 fSEwellness	Inst. increase... Providing support for students overall well-being...	.44	.43	.47	.63				
6 fSEnonacad	Inst. increase... Helping students manage their non-academic responsibilities (...)	.36	.38	.41	.50	.55			
7 fSEactivities	Inst. increase... Students attending campus activities and events (...)	.28	.30	.40	.54	.49	.45		
8 fSEevents	Inst. increase... Students attending events that address important social/econ./polit. issues	.26	.29	.49	.43	.42	.41	.61	

Notes:
 • Results are based on faculty who responded to FSSE 2014, 6,654 who taught lower-division courses and 8,992 who taught upper-division courses at 143 U.S. institutions.