Appendix 2: Mock up of the PACE

The actual form is more complicated than this. For each ESM course that students have taken there will be a set of learning outcomes and student-oriented questions about how confident they are that they learned this and related outcomes. If they have completed 5 ESM core courses that might be 30 to 50 questions they have to respond to.

ESM-required courses for an Environmental Studies Degree

					Student input				
Learning objective	ESM 1	ESM 2	ESM 3	ESM 4	**How confident are you?**	ESM 5	ESM 6	ESM 7	ect
Critical thinking	1	2	2		**very**		3		
modeling systems	1	1		2	**moderate**	3	4		
simulating decisions					**very**			2	
interpreting data		1			**very**				
develop research quest.		1			**very**		2		
framing hypotheses	1			2	**moderate**		3		
field and lab methods		1			**very**			2	
analyzing data		2			**weak**	2			
library skills		2			**weak**	2			
writing a research paper	1	1	2	2	**very**	3	3	4	
presentation to group	1				**very**	1			
collaboration skills	1			4	**not at all**				
variability and scale				3	**weak**				
population ecology					**very**			2	
landscape ecology				1	**very**	2			
resource management				2	**moderate**	2		3	
conservation theories		1			**weak**		2		
etc/									