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## Pre-test questionnaire (student)

* Required							
Do you own a	a smartp	hone? *					
O Yes							
O No							
How often do	o you us	e a smar	tphone?	*			
	1	2	3	4	5		
Never	0	0	0	0	0	All the time	
For an application, which factor is the most important key for you to continue using it? *							
Utility							
Appearance	)						
Other:							
Choose the option that best describes your nature. *							
	1	2	3	4	5		
Introverted	0	0	0	0	0	Extroverted	

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I often have trouble interacting with my instructor during lectures. *								
	1	2	3	4	5			
Disagree	0	0	0	0	0	Agree		
I often have trouble interacting with my classmates during lectures. *								
	1	2	3	4	5			
Disagree	0	0	0	0	0	Agree		
How often d	o you att	end lectu	ıres? *					
	1	2	3	4	5			
Never	0	0	0	0	0	Always		
How often do you contact your classmates for course-related questions? *								
	1	2	3	4	5			
Never	0	0	0	0	0	All the time		
How often do you contact your instructor for course-related questions? *								
	1	2	3	4	5			
Never	0	0	0	0	0	All the time		

When I have questions in class, I tend to
Raise my hand and ask the instructor
Wait and ask the instructor after class.
Try to figure it out on my own (refer to textbooks, search online).
Post my questions online in a forum or a study group.
Ask a friend during class
Ask a friend after class
Other:
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## Pre-test questionnaire (instructor)

* Required								
How many students are in your classroom?								
O 1-15								
15-30								
30-50								
50-100								
O 100+								
I often have trouble acknowledging every student's concerns and questions during class time. *								
	1	2	3	4	5			
Disagree	0	0	0	0	0	Agree		
I am often as students. *				•	-	different		
	1	2	3	4	5			
Disagree	0	0	0	0	0	Agree		

It is often the same subset of students that ask questions during lectures. *							
	1	2	3	4	5		
Disagree	0	0	0	0	0	Agree	
I receive a lot of questions through email and outside of class time.  These questions are often repetitive in nature. *							
	1	2	3	4	5		
Disagree	0	0	0	0	0	Agree	
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