Appendix I

Blended Course Student Survey

Please answer the following questions as clearly as you can by checking the box or line, as appropriate. BLENDED courses have some face-to-face class meetings, but also have some class sessions that are replaced with online instruction.

	Very satisfied 5	Generally Satisfied 4	Neither 3	Generally dissatisfied 2	Very dissatisfied 1
In general, how satisfied were you with your blended course(s)?					

Please share any comments you have about blended courses

In general, how do you feel the technology component of your blended course(s) affects the following, when compared with your face-to-face courses?

	Much better 5	A little better 4	About the same 3	A little worse 2	Much worse 1
a. The amount of your interaction with other students					
b. The quality of your interaction with other students					
c. The amount of your interaction with the instructor					
d. The quality of your interaction with the instructor					

	Strongly agree 5	Agree 4	Neutral 3	Disagree 2	Strongly disagree 1
I'm more likely to ask questions in a blended course					
There are more opportunities to collaborate with others in a blended course					
My blended course experience has increased my opportunity to access and use information					
I have more opportunities to reflect on what I've learned in blended courses					
Blended learning helps me better understand course material					
Generally, I understand course requirements better in an blended course					
Because of blended courses, I am more likely to get a degree					
Generally, I am more engaged in my blended courses					
My personal devices (e.g. cell phone, mp3 player, PDA) help with my learning					
Social networking applications (e.g. Facebook, Twitter) help me with learning					
Social bookmarking tools (e.g. Del.icio.us, Digg) help me with learning					

	Strongly agree 5	**Agree 4**	**Neutral 3**	**Disagree 2**	**Strongly disagree 1**
I am a multitasker					
I have strong time management skills					
I am motivated to succeed					

Which class modality do you prefer?
___ Entirely face-to-face
___ Minimal use of the Web, mostly held in face-to-face format
___ An equal mix of face-to-face and web content
___ Extensive use of the Web, but still some face-to-face class time
___ Entirely online with no face-to-face time

What are your primary reasons for choosing blended courses (choose all that apply)
___ I like the flexibility of accessing the class content anytime online
___ I prefer technology in classes
___ I choose based on the instructor, not the modality
___ Blended courses "fit" in my schedule
___ I have no choice because some are only blended courses
___ I like the convenience of not coming to campus as much
___Other (please explain):

Appendix II

Interview question

The interview section is on written form, the interview question is on the Google form include with questionnaire. The purpose of this interview is to find out more about students' opinion about blended learning.

1. What do you like most about blended courses?

2. What do you like least about blended courses?

3. What advice would you give to a student new to blended courses?

Appendix III

Indicators of Questionnaire

Statement Indicator	Number of the Statement
Students' Satisfaction on Blended Learning	1st Statement
Students' social life affection of blended learning	2nd Statement
	3rd Statement
	4th Statement
	5th Statement
Online platform and content dimensions	6th Statement
	7th Statement
	8th Statement
	9th Statement
Learning dimensions	10th Statement
	11th Statement
	12th Statement
	13th Statement
Factors affecting blended learning	14th Statement
	15th Statement
	16th Statement
	17th Statement
Students' perception of taking blended courses	18th Statement
	19th Statement

Appendix IV

Recapitulation of questionnaire

No.	Respondents	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	Res 1	4	4	5	5	5	3	4	5	5	4	3	3	4	5	4	1	2	3	5
2	Res 2	4	3	3	2	4	3	4	3	2	3	4	3	4	3	3	4	3	3	4
3	Res 3	3	3	3	3	3	3	4	4	4	3	3	3	4	4	4	3	3	3	4
4	Res 4	3	4	4	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3
5	Res 5	4	4	3	4	3	5	3	4	4	5	4	4	5	5	4	5	3	4	4
6	Res 6	4	4	4	2	3	3	4	4	4	4	4	3	3	4	4	4	3	3	4
7	Res 7	3	4	4	4	4	4	5	4	4	4	4	3	3	3	2	2	5	4	4
8	Res 8	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4
9	Res 9	4	5	3	5	4	3	5	3	3	3	4	3	3	4	4	4	2	2	4
10	Res 10	3	3	4	4	4	3	4	4	4	3	3	3	4	4	4	4	3	3	4
11	Res 11	3	5	3	3	3	3	3	4	3	3	4	4	4	3	3	3	2	2	3
12	Res 12	3	4	3	4	3	4	4	4	4	3	3	4	4	5	5	3	3	4	5
13	Res 13	3	3	3	3	3	4	4	4	4	3	4	3	3	4	4	2	3	3	5
14	Res 14	4	2	2	4	4	3	3	4	4	4	4	3	3	5	5	4	5	3	5
15	Res 15	4	4	4	4	4	5	5	4	5	4	4	4	3	3	4	3	4	3	4
16	Res 16	3	3	3	3	3	3	3	3	3	3	3	3	2	2	4	3	4	2	4
17	Res 17	3	3	3	3	3	2	3	3	3	3	3	3	3	4	4	4	3	3	4
18	Res 18	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
19	Res 19	3	3	3	3	3	3	3	3	4	2	2	3	3	4	4	3	2	3	4
20	Res 20	4	4	4	4	4	3	3	4	4	4	3	3	3	4	5	4	3	3	4
21	Res 21	3	4	4	4	4	3	4	4	4	3	3	3	3	4	4	3	2	3	5
22	Res 22	3	5	4	3	5	5	4	2	2	2	4	1	5	3	2	4	3	3	2
23	Res 23	3	3	4	4	4	3	3	3	3	4	3	4	4	4	3	4	3	3	5
24	Res 24	4	5	5	5	5	5	5	5	5	4	4	4	4	5	5	5	3	5	5
25	Res 25	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
26	Res 26	3	4	4	4	4	4	4	4	4	4	3	3	3	4	4	3	3	3	3
27	Res 27	4	5	5	4	4	3	3	5	4	4	3	3	4	5	5	4	4	3	5
28	Res 28	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
29	Res 29	1	2	3	1	1	5	5	5	5	5	5	5	5	5	5	3	4	3	5
30	Res 30	3	5	4	3	3	2	3	4	4	3	3	3	3	4	4	3	3	4	4
31	Res 31	4	4	5	3	3	3	4	4	4	3	4	4	5	5	4	4	3	4	5
32	Res 32	3	3	3	4	3	2	3	3	3	2	3	3	3	4	3	3	3	2	4

33	Res 33	4	4	4	4	4	3	4	4	3	3	3	4	3	5	3	3	4	4	5
34	Res 34	4	4	4	2	2	4	5	4	5	2	4	3	4	4	3	4	3	3	5
35	Res 35	3	2	2	2	2	2	3	3	2	4	3	2	2	3	3	3	2	2	4
36	Res 36	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	4
37	Res 37	4	3	3	4	4	4	4	4	3	3	3	3	3	5	5	3	3	3	5
38	Res 38	5	5	5	2	2	1	4	5	5	5	4	3	4	5	5	5	3	3	5
39	Res 39	4	4	4	4	4	4	4	3	5	3	3	3	3	4	3	4	3	3	5
40	Res 40	3	3	4	3	3	3	3	3	3	3	3	2	2	4	5	4	4	2	4
41	Res 41	3	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4
42	Res 42	4	5	4	4	4	5	5	4	5	4	4	4	1	5	5	5	4	4	5
43	Res 43	3	3	4	4	3	3	3	3	3	3	3	3	3	4	4	4	3	4	3
44	Res 44	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	4	3	3	4
45	Res 45	3	5	3	2	3	4	4	4	4	4	4	3	3	4	3	5	3	2	5
46	Res 46	3	3	3	3	3	3	3	4	4	3	3	3	3	4	4	4	3	3	4
47	Res 47	3	4	4	4	4	3	3	2	3	4	4	4	3	5	3	3	2	3	4
48	Res 48	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5

No.	Respondents	Which class modality do you prefer?	What are your primary reasons for choosing blended courses?
1	Res 1	Minimal use of the Web, mostly held in face-to-face format	I prefer technology in classes
2	Res 2	Entirely face-to-face	I like the flexibility of accessing the class content anytime online
3	Res 3	An equal mix of face-to-face and web content	Blended courses "fit" in my schedule
4	Res 4	An equal mix of face-to-face and web content	I prefer technology in classes
5	Res 5	Entirely face-to-face	I like the flexibility of accessing the class content anytime online
6	Res 6	Minimal use of the Web, mostly held in face-to-face format	I like the flexibility of accessing the class content anytime online
7	Res 7	Extensive use of the Web, but still some face-to-face class time	Blended courses "fit" in my schedule
8	Res 8	An equal mix of face-to-face and web content	Blended courses "fit" in my schedule
9	Res 9	Minimal use of the Web, mostly held in face-to-face format	I like the flexibility of accessing the class content anytime online
10	Res 10	An equal mix of face-to-face and web content	I like the flexibility of accessing the class content anytime online
11	Res 11	Entirely face-to-face	I like the flexibility of accessing the class content anytime online
12	Res 12	Extensive use of the Web, but still some face-to-face class time	I like the flexibility of accessing the class content anytime online
13	Res 13	An equal mix of face-to-face and web content	I like the flexibility of accessing the class content anytime online
14	Res 14	An equal mix of face-to-face and web content	Blended courses "fit" in my schedule
15	Res 15	An equal mix of face-to-face and web content	I like the flexibility of accessing the class content anytime online
16	Res 16	An equal mix of face-to-face and web content	I like the convenience of not coming to campus as much
17	Res 17	Entirely face-to-face	I prefer technology in classes
18	Res 18	An equal mix of face-to-face and web content	I choose based on the instructor, not the modality

19	Res 19	Entirely face-to-face	I like the flexibility of accessing the class content anytime online
20	Res 20	Extensive use of the Web, but still some face-to-face class time	I prefer technology in classes
21	Res 21	Entirely face-to-face	I prefer technology in classes
22	Res 22	Extensive use of the Web, but still some face-to-face class time	I choose based on the instructor, not the modality
23	Res 23	An equal mix of face-to-face and web content	Blended courses "fit" in my schedule
24	Res 24	Extensive use of the Web, but still some face-to-face class time	I like the flexibility of accessing the class content anytime online
25	Res 25	Minimal use of the Web, mostly held in face-to-face format	I like the flexibility of accessing the class content anytime online
26	Res 26	Extensive use of the Web, but still some face-to-face class time	Blended courses "fit" in my schedule
27	Res 27	Extensive use of the Web, but still some face-to-face class time	I like the flexibility of accessing the class content anytime online
28	Res 28	Entirely face-to-face	I choose based on the instructor, not the modality
29	Res 29	An equal mix of face-to-face and web content	Blended courses "fit" in my schedule
30	Res 30	Entirely face-to-face	I choose based on the instructor, not the modality
31	Res 31	An equal mix of face-to-face and web content	I like the flexibility of accessing the class content anytime online
32	Res 32	Entirely face-to-face	I like the convenience of not coming to campus as much
33	Res 33	Minimal use of the Web, mostly held in face-to-face format	I choose based on the instructor, not the modality
34	Res 34	Minimal use of the Web, mostly held in face-to-face format	Blended courses "fit" in my schedule
35	Res 35	Minimal use of the Web, mostly held in face-to-face format	I choose based on the instructor, not the modality
36	Res 36	An equal mix of face-to-face and web content	I choose based on the instructor, not the modality
37	Res 37	An equal mix of face-to-face and web content	I like the flexibility of accessing the class content anytime online
38	Res 38	An equal mix of face-to-face and web content	I prefer technology in classes
39	Res 39	Minimal use of the Web, mostly held in face-to-face format	I like the flexibility of accessing the class content anytime online
40	Res 40	Minimal use of the Web, mostly held in face-to-face format	I like the flexibility of accessing the class content anytime online
41	Res 41	Entirely face-to-face	I have no choice because some are only blended courses
42	Res 42	Minimal use of the Web, mostly held in face-to-face format	I like the flexibility of accessing the class content anytime online
43	Res 43	Extensive use of the Web, but still some face-to-face class time	I prefer technology in classes
44	Res 44	An equal mix of face-to-face and web content	I prefer technology in classes
45	Res 45	Extensive use of the Web, but still some face-to-face class time	I like the flexibility of accessing the class content anytime online
46	Res 46	An equal mix of face-to-face and web content	I like the flexibility of accessing the class content anytime online
47	Res 47	Entirely face-to-face	I prefer technology in classes
48	Res 48	Minimal use of the Web, mostly held in face-to-face format	I choose based on the instructor, not the modality

Appendix V

Answers of Written Interview

No.	Respondents	What do you like most about blended courses?	What do you like least about blended courses?	What advice would you give to a student who is new to blended learning courses?
1	Res 1	4	1	Study hard
2	Res 2			
3	Res 3	Flexibility	Personalization	Start with easy technology
4	Res 4	Combining the methods, like face to face and online class	Face to face and online class	I don't know, because i think blended learning courses make us enjoy to study. You can face to face or online class
5	Res 5	Edmodo	Youtube	Youtube
6	Res 6	Easy to be applied	Less interaction and late responses	Never submit the assignment over the due date. Be active and interactive
7	Res 7	Because I can learn all in one	i can learn many skills together	I think you must learn about everything
8	Res 8	More flexible learning	Too relaxe for some of the students	Be an active student
9	Res 9	make something become simple	it is motivate the student to learn more	search more the material detaily
10	Res 10	force me to study more	do not wasting our time	you have to always consult to your lecture to make sure the reference that you get is true
11	Res 11	More interesting	Idk	Focus
12	Res 12	It is save time and effort to get to campus. We can acces information from the lecturer from online class	Easier to learn anytime and anywhere.	You should make sure that you always engage with your tools, bcs u may miss the information from your teacher/lecturer
13	Res 13	Save time	Easy and simple	The more you searching the more you get information
14	Res 14			
15	Res 15	the flexibility	it took much effort in providing internet networking	you should to be able to manage the time wisely
16	Res 16	Efisient		
17	Res 17			
18	Res 18	making a product		courses that make a creative student
19	Res 19			Be communicative.

20	Res 20	lecturers can manage and control the learning done by students outside of students' learning hours. learning can be carried out anytime and anywhere by using the internet network system .	learning becomes more effective	The blended learning course is very good because learning is more interesting
21	Res 21			
22	Res 22	We mustn't go to campus to submit our paper		
23	Res 23			
24	Res 24	I like to share my opinion Using technology (WA, EDMODO,)	Combination between BL and face to face	Ask student to makes a group discussion in WA and if they're more understand I wi invite the student do discuss in Edmodo.
25	Res 25	It is more fleksibel to access	It is cheap	Be active
26	Res 26	Yes	Use technology	Very focus
27	Res 27	Discussion	Question and answer	Learn + practice
28	Res 28			
29	Res 29			
30	Res 30	Enjoy	Good for add knowledge	Blended learning is good to add our knowledge.
31	Res 31	Variety sources	If I have low-speed connection8	Be creative
32	Res 32	I like the convenience of not coming to campus as much	Fun	Blended learning is fun
33	Res 33	Can be done anywwhere	I think blanded courses Less effective. Especially when networking is error, It can make me miss the lesson	Improve facilities needed in blended learning, such as computers and wi-fi. So that we can access properly
34	Res 34	No limit time	Hard to understand or ask the lecturer	More read make you more understand
35	Res 35	I can study by myself	I do not always go to campus	Be active when your lecturer gives you online class. If he/she asks you to comment or ask something for example on edmodo, do it.
36	Res 36	all of them	all of them	make lessons as interesting as possible
37	Res 37	the opportunities to learn alone and explore more on the internet alone.	the opportunities to learn alone	make the blended learning be your opportunities to learn more and find what you've like about the subject.
38	Res 38	We can learning without come to campus	We can update with the technology	You should able to manage your time

39	Res 39	The technic and the time	Flexible	Having fun with this method
40	Res 40	Online learning	Online learning	I dont think so if student will be learning if we are using blended learning
41	Res 41	Funny	The class management	Have more atractive method in learning
42	Res 42	Fun	Sometimes it's really boring and tense lesson.	Searching about this learning, try, try, and try. Never give up if find some difficulties to start this learning.
43	Res 43	Fun or not tense situation.	Tense situation And boring when we are learning in the class meeting.	Work hard, try and try. Never give up when you can't answe or find about assignment or each other.
44	Res 44	I think blended courses can help me understand more about the lesson because using the technology.	Blended courses is one causes of the relation between each student and lecturer not good enough.	Students must use technology wisely.
45	Res 45			
46	Res 46	I can learn anytime and anywhere.	Difficultties, when I have no internet connection.	Learn how to operate technology devices so that you can follow blended learning courses easier.
47	Res 47	Free time	Free time	Good luck
48	Res 48	When it online class, we have time to do our assignment alone. I mean we can challenge ourself.	I have less motivation when It is online class.	I think we still can do blender learning but the f2f schedule should be more often then online class

Appendix VI

Reliability test score

Reliability Statistics

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.882	.886	20

Item Statistics

	Mean	Std. Deviation	N
In general, how satisfied were you with your blended course(s)?	3.40	.676	48
The amount of your interaction with other students	3.71	.874	48
The quality of your interaction with other students	3.60	.765	48
The amount of your interaction with the lecturer	3.40	.893	48
The quality of your interaction with the lecturer	3.42	.821	48
I'm more likely to ask questions in a blended course	3.38	.914	48
There are more opportunities to collaborate with others in a blended course	3.71	.743	48
My blended course experience has increased my opportunity to access and use information	3.69	.748	48
I have more opportunities to reflect on what I've learned in blended courses	3.71	.849	48
Blended learning helps me better understand course material	3.42	.767	48
Generally, I understand course requirements better in an blended course	3.46	.617	48
Because of blended courses, I am more likely to get good score	3.25	.700	48
Generally, I am more engaged in my blended courses	3.38	.841	48

My personal devices (e.g. cell phone, mp3 player, PDA) help me learning language skills	4.06	.755	48
Social networking applications (e.g. Facebook, Twitter) help me learning language skills	3.85	.825	48
Social bookmarking tools (e.g. Del.icio.us, Digg) help me learning language skills	3.56	.848	48
i am a multitasker	3.17	.753	48
I have strong time management skills	3.15	.714	48
I am motivated to succeed	4.25	.729	48
My university provides the resources necessary for students to succeed in blended courses	3.67	.694	48