

Appendices-A & B



A Comparative Analysis of Blended Learning and Traditional Instruction: Effects on Academic Motivation and Learning Outcomes

QUESTIONNAIRE FOR STUDENTS

Dear Respondent,

I am PhD scholar at The College of Education, Soochow University, Suzhou, Jiangsu, China. The title of my research is '**The Effect of Blended Learning on Students' Academic Motivation and Learning Outcomes in the Public & Private Sector Universities of Pakistan**'. Blended learning is a form of learning in which students learn through both traditional (face-to-face) and online methods. The purpose of this research study is to explore current environment of blended learning, teachers' practices of blended instruction, benefits of blended learning, effects of blended learning on students' academic motivation and learning outcomes and challenges to implement blended learning approach in classroom. In this regard, your opinions are required. You are ensured that your comments/opinions will be used only for research purposes and will not be disclosed to anyone at any cost in future. I will be highly thankful for your kind cooperation.

Yours' sincerely

The College of Education, Soochow University, Suzhou, Jiangsu, China

PART-I- Demographic Information

Please tick relevant box.

1.	Gender	Male <input type="checkbox"/> Female <input type="checkbox"/>
2	Name of University	
2.	University Sector	Public <input type="checkbox"/> Private <input type="checkbox"/>
3.	Program Enrolled	BS (Science Subject) <input type="checkbox"/> BS (Social Science Subject) <input type="checkbox"/>
4.	Department	Belongs to Social Science <input type="checkbox"/> Belongs to Basic Science <input type="checkbox"/>
5.	Age	Under 20 years <input type="checkbox"/> Above 20 years <input type="checkbox"/>
6.	Locality	Urban <input type="checkbox"/> Rural <input type="checkbox"/>
7.	My Computer Literacy Skills are	Poor <input type="checkbox"/> Acceptable <input type="checkbox"/> Good <input type="checkbox"/>
8.	My Internet surfing skills are	Poor <input type="checkbox"/> Acceptable <input type="checkbox"/> Good <input type="checkbox"/>
9.	I have experience of learning through online and face-to-face classes at this university	Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/>

Your e-mail: _____

PART-II**Close-Ended Items for Quantitative Data**

Indicate the extent to which you agree/disagree with the following statements.

SA = **Strongly Agree**=5, A = **Agree**=4, N = **Neutral**=3, A = **Disagree** 2, SDA = **Strongly Disagree**=1

Sr	Statements	Responses				
1. Level of Environment of blended learning						
1	The Face-to-Face learning environment available at this university is satisfactory.	1	2	3	4	5
2	The online learning environment offered by this university was appropriate.	1	2	3	4	5
3	The health and safety environment of blended learning was satisfactory.	1	2	3	4	5
4	The Online learning environment engaged me always.	1	2	3	4	5
5	The online learning environment enabled me to make strong relationship with peers.	1	2	3	4	5
6	The university has a proper advice and support system in relation to students' courses during blended learning.	1	2	3	4	5
7	All the activities of blended learning were satisfactory.	1	2	3	4	5
8	The online teaching environment of my department was remained good.	1	2	3	4	5
9	The environment of online learning platform remained effective.	1	2	3	4	5
10	It was easy to interact with teachers and peers by Blended learning environment.	1	2	3	4	5
2. Teachers' practices of blended Instruction						
1	Teachers practiced both Face-to-Face and online teaching techniques.	1	2	3	4	5
2	My instructors provided recorded lecture materials.	1	2	3	4	5
3	Teachers assisted students in completing the online course evaluation.	1	2	3	4	5
4	Teachers practiced in real-time/live instruction.	1	2	3	4	5
5	Teachers conducted online discussion sessions.	1	2	3	4	5
6	Teachers evaluated students' progress using online quizzes, games, and examinations.	1	2	3	4	5
7	Teachers used the peer review method for conducting assessments.	1	2	3	4	5
8	Teachers provided audio-visual resources for learning.	1	2	3	4	5

9	Teachers encouraged students to submit online feedback.	1	2	3	4	5
10	My teachers' blended learning strategies were remained effective.	1	2	3	4	5
3. Benefits of blended Learning						
1	It enables students to complete their academic assignments more quickly.	1	2	3	4	5
2	Learners are more motivated by blended learning courses than by traditional ones.	1	2	3	4	5
3	It encourages learners to take responsibility for their self-learning.	1	2	3	4	5
4	It assists students in developing their own expertise.	1	2	3	4	5
5	It increases students' confidence.	1	2	3	4	5
6	It provides opportunities to effectively manage time.	1	2	3	4	5
7	It motivates students to research particular information.	1	2	3	4	5
8	It keeps students focused at all times.	1	2	3	4	5
9	It provides students with more information in their field of study.	1	2	3	4	5
10	It improves critical thinking skills of the learners.	1	2	3	4	5
4. Blended Learning and Academic motivation						
1	My self-learning is motivated by learning through web content during blended learning.	1	2	3	4	5
2	Blended learning programs increases students' motivation to learn.	1	2	3	4	5
3	Online group discussions increase students' academic motivation.	1	2	3	4	5
4	Blended learning encouraged me to learn the material thoroughly.	1	2	3	4	5
5	Blended learning developed my study skills.	1	2	3	4	5
6	Blended learning motivated me to adopt self-regulated learning strategies.	1	2	3	4	5
7	Blended learning developed my interest in self-learning.	1	2	3	4	5
8	Blended learning empowers me to do well in all academic activities.	1	2	3	4	5
9	Blended learning improved my academic engagement.	1	2	3	4	5
10	Blended learning improved my academic motivation.	1	2	3	4	5
5. Blended Learning and Students' Learning Outcomes						
1	Blended learning increased my knowledge about a particular concept.	1	2	3	4	5
2	Blended learning improved my understanding of the contents of my courses.	1	2	3	4	5

3	My skills in applying facts, rules, concepts, and ideas have enhanced due to study via blended learning.	1	2	3	4	5
4	I am able to analyze different kinds of things in my field and relate them to my novel idea.	1	2	3	4	5
5	I am able to evaluate anything in my field and make a logical judgment.	1	2	3	4	5
6	I am able to create something related to my novel ideas in my field.	1	2	3	4	5
	6.Major Factors Influencing Blended Learning	1	2	3	4	5
1.	Lack of availability of quality of technological infrastructure.	1	2	3	4	5
2.	Ineffective instructional design.	1	2	3	4	5
3.	Lack of teachers' training to deliver blended learning courses.	1	2	3	4	5
4.	Lack of students' readiness and technical skills.	1	2	3	4	5
5.	Lack of university support from (administration, technical, and financial).	1	2	3	4	5

How does blended learning contribute to students' academic motivation and learning outcomes?

A Word of Thanks

I appreciate your cooperation and gratitude for being a part of this research. I believe your responses will help me develop a better evaluation of measuring effects of blended learning on students' academic motivation and learning outcomes. May God bless you for the favor!