

TEACHING TECHNOLOGIES

1	Course Title:	TEACHING TECHNOLOGIES
2	Course Code:	MBZ0007
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	4
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç. Dr. DİLEK ZEREN ÖZER
15	Course Lecturers:	Doktorasını/uzmanlığını aynı alandan almış öğretim elemanları
16	Contact information of the Course Coordinator:	Doç.Dr.Dilek ZEREN ÖZER Bursa Uludağ Üniversitesi Eğitim Fakültesi Matematik ve Fen Bilimleri Eğitimi Bölümü Fen Bilgisi Eğitimi Anabilim Dalı E Blok Görükle /BURSA Tel: 0 224 2942254 E-posta: dzeren@uludag.edu.tr
17	Website:	
18	Objective of the Course:	The aim of the course is to enable teacher candidates to benefit from appropriate teaching technologies in their lessons, to design and develop materials in accordance with design principles, and to evaluate the course materials they choose, in order to make their lessons more effective and permanent by being aware of current teaching technologies and practices as well as current literacy.

19	Contribution of the Course to Professional Development:	<p>This course is based on TYYÇ</p> <p>At the information level, 2-Has knowledge about the nature of the information, its source, limits, accuracy, reliability, and validity assessment. 3-Discusses the methods related to the production of scientific knowledge.</p> <p>At the skills level 1-Uses advanced information sources in the field. 2-Conceptualizes the events and facts related to the field, examines them with scientific methods and techniques, interprets and evaluates the data. 3-Defines and analyzes problems related to the field, and develops solutions based on evidence and research.</p> <p>Competence level Competencies-Competence to Work Independently and to Take Responsibility 1-Takes responsibility in individual and group work and fulfills the task effectively. 3-Takes responsibility individually and as a team member to solve complex problems encountered and unforeseen in practice.</p> <p>Competencies-Learning Competence 1-Critically evaluates the acquired knowledge and skills.</p> <p>Competencies-Communication and Social Competencies 5-Shares his thoughts and solutions to problems with experts and non-experts by supporting them with quantitative and qualitative data. 7-Uses information and communication technologies at the advanced level of the European Computer Driving License.</p> <p>According to the development of basic field competencies and the General Competencies of MEB Teaching Profession, this course A1.1, A1.2., A1.3. A1.4, A1.5. Among the qualifications at the B3 level B1.2. B3.8 of the qualifications at the B3 level. and B3.9. qualifications B4 level B4.1., B4.2. and B.4.4 qualifications C2.2 at the C2 level. AND C2.4. your qualifications C3.1., C3.2 and C3.4 at the C3 level. your qualifications It contributes to the development of C4.6 at C4 level.</p>	
20	Learning Outcomes:		
		1	Defines the basic concepts of information technologies in education.
		2	Categorize the teaching process and instructional technologies.
		3	Compares theoretical approaches and new orientations regarding instructional technologies.
		4	Explains current literacy.
		5	Designs teaching material specific to the field.
		6	Evaluates various quality teaching materials.
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21	Course Content:		
	Course Content:		
Week	Theoretical	Practice	
1	Introduction to the Course - Introduction to the Course Examining the lesson plan		
2	Education, Technology, Educational Technology, Instructional Technology Basic Concepts		
3	Historical Development of Instructional Technology		

4	Classification of Instructional Technologies	
5	Theoretical Approaches to Instructional Technologies	
6	Instructional Theories-Instructional Technologies Relationship and New Tendencies in Learning Approaches	
7	Technology Integration in Education	
8	Technology Integration and Application Examples in Education	
9	Current Literacy (Information Literacy, Technology Literacy, Visual Literacy, Computer Literacy Media Literacy)	
10	Integration of Instructional Technologies into Learning Environments	
11	Current Information and Communication Technologies Used in Instructional Environments	
12	Current Information and Communication Technologies Examples and Applications Used in Teaching Environments	
13	Current Information and Communication Technologies Examples and Applications Used in Teaching Environments	
14	New Trends and Approaches in Instructional Technology	

22	Textbooks, References and/or Other Materials:	<p>ağıltay, K. ve Göktaş, Y. (Eds.). (2013). Öğretim Teknolojilerinin Temelleri: Teoriler, Araştırmalar, Eğilimler. Pegem Akademi.</p> <ul style="list-style-type: none"> • Perkman, S. & Tezci, E. (Editor) (2011). Eğitimde Teknoloji Entegrasyonu. Ankara: Pegem Akademi Yayıncılık. • Demirel, Ö., Seferoğlu, S. & Yağcı E. (2001). Öğretim teknolojileri ve materyal geliştirme. Ankara: Pegem Yayıncılık. <p>Kaya, Z. (2005). Öğretim teknolojileri ve materyal geliştirme. Ankara: Pegem A Yayıncılık.</p> <p>Seferoğlu S. (2006). Öğretim teknolojileri ve materyal tasarımı. Ankara: Pegem Yayıncılık.</p> <p>Yanpar, T. (2005). Öğretim teknolojileri ve materyal geliştirme. Ankara: Anı Yayıncılık.</p> <p>Ergin, A. (2002). Öğretim teknolojileri ve iletişim. Ankara: Pegem Yayıncılık.</p> <p>Heinich, R., Molenda, M., Russel, J. D. & Smaldino, S. E. (2002). Instructional media and technologies for learning (7th edition). USA: Pearson education Inc.</p> <p>Newby, T. J., Stepich, D. A., Lehman, J. D.(1996). Instructional technology for teaching and learning. usa: Prentice-Hall Inc.</p> <ul style="list-style-type: none"> • Selvi, K. (Ed.) (2008). Öğretim teknolojileri ve materyal tasarımı. Ankara: Anı Yayıncılık.
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23	Assesment	
TERM LEARNING ACTIVITIES		NUMBE R
		WEIGHT
Midterm Exam	1	15.00
Quiz	0	0.00
Home work-project	5	25.00
Final Exam	1	60.00
Total	7	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00

Contribution of Final Exam to Success Grade	60.00
Total	100.00
Measurement and Evaluation Techniques Used in the Course	In the teaching of the course, 3E, direct instruction, discussion, individual teaching, project method and question-answer are applied. In the measurement and evaluation of the course, 5 short-time homework, 1 midterm exam, 1 project and 1 final exam are applied. The project given in the form of teaching material design is evaluated with rubrics. The success at the end of the evaluation is made in the form of relative evaluation.
24	ECTS / WORK LOAD TABLE

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	0	0.00	0.00
Homeworks	5	7.00	35.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	10.00	10.00
Others	0	0.00	0.00
Final Exams	1	10.00	10.00
Total Work Load			83.00
Total work load/ 30 hr			2.77
ECTS Credit of the Course			3.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	1	2	1	3	1	1	1	1	2	1	2	1	1	1	1	1
ÖK2	1	2	1	1	2	1	1	1	2	1	2	1	1	1	1	1
ÖK3	1	2	1	3	1	1	1	1	3	1	2	1	1	1	1	1
ÖK4	1	3	1	2	1	1	1	2	3	1	2	1	1	1	1	1
ÖK5	1	2	1	3	1	4	5	4	3	1	3	1	1	1	1	1
ÖK6	1	1	5	3	4	2	3	4	3	1	3	1	1	1	1	1
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			