AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Instructional Techniques and Materials Design						
Course Code	EBB118		Couse Level	First Cycle (Bachelor's Degree)			
ECTS Credit	4	Workload	104 *(Hours)*	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	In this course, designing, applying and, evaluating of materials which are used for creating effective and efficient teaching and learning process are aimed.						
Course Content	Concepts related to instructional technology, properties of various instructional technologies, the place and use of technologies in instructional process, determination of the technology needing of the school, preparing the technology planning, developing of 2- and/or 3- dimensional materials via educational technologies, developing teaching instruments (work sheets, designing of activity, transparencies, slides, visual media instruments (VCD, DVD) , computer-based course materials) , assessment of the qualities of various teaching materials, internet and distance education, visual designing principles, using instructional technologies in Turkey and in the world.						
Work Placement	N/A						
Planned Learning Activities and Teaching Methods			Explanation (Presentation), Demonstration, Discussion, Project Based Study, Individual Study, Problem Solving				
Name of Lecturer(s)							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Altun, Eralp ve Demirel, Özcan (2009). Öğretim teknolojileri ve materyal tasarımı. 2. Baskı. Ankara: Pegem A Yayıncılık.
2	Heinich,Robert, Molenda, Micheal ve Russell, James D. (1993). Instructional media. NY: Macmillan Publishing
3	İşman, Aytekin (2008). Öğretim teknolojileri ve materyal tasarımı. 3. Baskı. Ankara: Pegem A Yayıncılık.
4	Kaya, Zeki (2005). Öğretim teknolojileri ve materyal geliştirme. Ankara: Pegem A Yayıncılık.
5	Seferoğlu, S.Sadi (2006). Öğretim teknolojileri ve materyal tasarımı. Ankara: Pegem A Yayıncılık
6	Yalın, H.İbrahim (2008) (ed.). İnternet temelli eğitim. Ankara: Nobel Yayın Dağıtım.
7	Yalın, H. İbrahim (2008). Öğretim teknolojileri ve materyal geliştirme. 20. Baskı. Ankara: Nobel Yayın Dağıtım.
8	Yanpar Yelken, Tuğba (2005). Öğretim teknolojileri ve materyal geliştirme. Ankara: Anı Yayıncılık

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction of the syllabus and rules of the course
2	Theoretical	The basic concepts related to instructional technology
3	Theoretical	Historical Development of Instructional
4	Theoretical	Communication in educational settings
5	Theoretical	Choosing, designing, and preparing of instructional material
6	Theoretical	Choosing, designing, and preparing of instructional material
7	Theoretical	Materials used at teaching environments
8	Intermediate Exam	Mid-term exam
9	Theoretical	Evaluation of instructional materials
10	Theoretical	The methods of computer usage in education, computer assisted learning and computer based learning.
11	Theoretical	The methods of computer usage in education, computer assisted learning and computer based learning.
12	Theoretical	Educational software types
13	Theoretical	Definition, methods and historical development of distance education, the Technologies used in distance education
14	Theoretical	Evaluation intended for developed materials
15	Theoretical	Evaluation intended for developed materials
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	7	0	2	14
Lecture - Practice	10	0	2	20
Assignment	7	0	4	28
Term Project	2	4	4	16
Laboratory	5	0	2	10
Midterm Examination	1	7	1	8
Final Examination	1	7	1	8
			Total Workload (Hours)	104
			[Total Workload (Hours) / 25*] = **ECTS**	4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Learner defines the technology in instruction, media and material concepts.
2	Learner chooses materials according to the media.
3	Learner uses the material according to the goal.
4	Learner assesses the developed materials according to the criterions.
5	Learner compares classical educational technologies and their properties.
6	Learner classifies modern educational technologies according to their properties.
7	Learner analyzes the historical development and properties of computer and internet.
8	Learner classifies the using technologies and methods used in distance education.

Programme Outcomes *(Science Teacher Education)*

1	To be able to gain subject knowledge of profession in theory and practice in the learning process.
2	To be able to gain the competence of using the appropriate approach, strategy, method and technique for the instructional plans to be prepared in the learning process.
3	To be able to gain the skills of the teaching profession in the learning process.
4	To be able to implement teaching profession knowledge, skills, attitudes and habits related to the subject-matter in a real teaching and learning environment in the learning process.
5	To be able to comprehend contemporary approaches of education and the philosophy they are based on.
6	To be able to gain the basic skills such as comprehending, expressing, commenting, evaluating, being aware and enterprising, communicating, acknowledging the individual related to the subject-matter.
7	To be able to become individuals faithful to the Principles and Revolutions of Ataturk, be modern democratic, secular, protecting and deveoping one's country, being alive to the nation, respecting human rights, preserving the nature, not being discriminatory, giving importance to the traditions and customs, protecting the values
8	To be able to improve oneself in terms of sport, art and culture.
9	To be able to become individuals believing in lifelong learning.
10	To be able to gain the vision of being individuals who keep up with developments in social, economic, technological and scientific areas, who investigate the main reasons of World problems and try to contribute to the solutions of these problems.

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5	L6	L7	L8
P1	5	5	5		5	5	5	5
P2	5	4	4		5	5	4	5
P3	5	5	5		4	5	5	5
P4	5	5	4	5	5	5	5	5
P5	5	5	4	4	4	5	5	5
P6	4	5	5	5	5	4		4
P7	5	5	4		5	5	5	4
P8	5	5	5	5		5	4	4
P9	4	5	5	4		5	4	5
P10	5	5				5	4	5