



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Special Teaching Methods II							
Course Code		FBÖ405		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	5	Workload	124 (<i>Hours</i>)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		To understand the principles and application steps of different teaching methods, and to be able to use them properly in physics teaching and learning. Using main teaching knowledge and skills to develop teacher guide materials in physics teaching.							
Course Content		Teaching techniques in subject areas, Learning- teaching processes, application of general teaching techniques into subject area teaching, Critical review of the text books in relation with specific teaching techniques, Micro education applications, Evaluation of the teaching processes.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Project Based Study, Individual Study					
Name of Lecturer(s)									

Prerequisites & Co-requisites

Equivalent Course	FBÖ350
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Assessment Methods and Criteria

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

Recommended or Required Reading

1	YÖK/Dünya Bankası 1997; Fizik Öğretimi, Öğretmen Eğitimi Dizisi, Ankara.
2	Ayas, A.P., Çepni, S., Akdeniz, A.R., Özmen, H., Yiğit, N. ve Ayvaci, H.Ş. 2007; Fen ve Teknoloji Öğretimi, Pegem, Ankara.
3	Bahar, M ve diğ. (2006). Fen ve Teknoloji Öğretimi, PegemA Yayıncılık.

Week	Weekly Detailed Course Contents	
1	Theoretical	Project based learning approach
	Preparation Work	determination of groups
2	Theoretical	Problem based learning approach
	Preparation Work	Students' choice of subject for the application of Microteaching
3	Theoretical	Research based learning approach
	Preparation Work	Microteaching presentations of student groups
4	Theoretical	Research based learning approach
	Preparation Work	Microteaching presentations of student groups
5	Theoretical	Models in science education
	Preparation Work	Microteaching presentations of student groups
6	Theoretical	Models in science education
	Preparation Work	Microteaching presentations of student groups
7	Theoretical	Argumentation in science education
	Preparation Work	Microteaching presentations of student groups
8	Theoretical	Argumentation in science education
	Preparation Work	Microteaching presentations of student groups
9	Theoretical	Creativity techniques in science education
	Preparation Work	Microteaching presentations of student groups
10	Intermediate Exam	midterm exam
11	Theoretical	Cooperative learning
	Preparation Work	Microteaching presentations of student groups
12	Theoretical	Cooperative learning
	Preparation Work	Microteaching presentations of student groups



13	Theoretical	Metacognition in science education
	Preparation Work	Microteaching presentations of student groups
14	Theoretical	Metacognition in science education
	Preparation Work	Microteaching presentations of student groups
15	Final Exam	FINAL EXAM

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Assignment	14	0	1	14
Term Project	14	0	1	14
Reading	14	0	2	28
Midterm Examination	1	5	1	6
Final Examination	1	5	1	6
Total Workload (Hours)				124
[Total Workload (Hours) / 25*] = ECTS				5

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	define main aims and learning outcomes in science subjects
2	Uses current examples and models of the teaching of science subjects
3	The properties of alternative teaching methods and techniques used in science teaching and explains the issues to be considered during their use in the classroom.
4	use the student's creativity in science teaching methods in developing
5	Science education to ask questions, talk, events, develop skills to look at other aspects.
6	Science teaching students to ask questions, talk, events, develop skills to look at other aspects.
7	Group work allows students to learn and co-operation.

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 Atatürk, be modern democratic, secular, protecting and developing 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
P2	4	5	5	4	4	5	5
P3	4	5	5	4	4	5	5
P4	4	5	5	4	4	5	5
P6	4	4	4	4	4	4	4
P10	5	5	4	4	5	5	5

