AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Science Teaching Curriculum								
Course Code	FBÖ250		Couse Level	First Cycle (Bachelor's Degree)					
ECTS Credit	3	Workload	75 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Teacher candidates define basic program development concepts and processes and science curricula; development of curriculum, annual, unit, daily plans; to be informed about content selection and organization.								
Course Content	Basic concepts of curriculum; the past daily development of science curricula; the approaches, content, and skills of modern science curricula; learning and sub-learning areas; distribution and limits of gains according to classes, relation with other courses; relation to primary school and high school science curricula; methods, techniques, tools and materials used; measurement and evaluation approach; teacher competences.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Discussion, Individual Study								
Name of Lecturer(s)	Prof. Eylem YILDIZ FEYZİOĞLU								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	Demirel, Ö. (2017). Eğitimde Program geliştirme: Kuramdan Uygulamaya. Pegem Akademi Yayıncılık.
2	Şeker, H. (2012). Eğitimde Program Geliştirme. Anı Yayıncılık.
3	Oral, B., Yazar, T. (2017). Eğitimde Program Geliştirme ve Değerlendirme. Anı Yayıncılık.

Week	Weekly Detailed Course Contents	
1	Theoretical	Basic concepts of curriculum
2	Theoretical	Philosophical foundations of science curriculum
3	Theoretical	Psychological foundations of science curriculum
4	Theoretical	Models of science curriculum development
5	Theoretical	Design approaches of Science curriculum
6	Theoretical	Development of science education programs
7	Theoretical	Planning of science program development
8	Intermediate Exam	Midterm
9	Theoretical	Learning teaching approach of science education programs
10	Theoretical	Target content and skills of science education programs
11	Theoretical	Learning and sub-learning areas of science education programs
12	Theoretical	Distribution of science education programs by class and limitations
13	Theoretical	The relation of science education programs with other courses; relationship between elementary and high school science teaching programs
14	Theoretical	Methods, techniques, and materials used in science education programs
15	Theoretical	Measurement and assessment approach in science education programs
16	Final Exam	Final

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Assignment	1	14	1	15
Midterm Examination	1	10	1	11

Final Examination	1	5	2	7
			Total Workload (Hours)	75
			[Total Workload (Hours) / 25*] = **ECTS**	3
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Defines the basic concepts of curriculum
2	Compares daily science teaching programs from the past.
3	Examine the current science curriculum
4	Associates the science curriculum with other courses.
5	Associates science curriculum with elementary and high school science curricula.

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
P1	5	5	5	5	5
P2	5	5	5	4	5
P3	5		5	5	4
P4	4	4	4	4	5
P5	4	4	4	5	4
P6	4	5	5	4	5
P7	5	4	4	5	4
P8	5	5	5	4	5
P9	5	4	4	5	4
P10	5	4	5	4	5