



**AYDIN ADNAN MENDERES UNIVERSITY**  
**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**  
**MATHEMATICS AND SCIENCE EDUCATION**  
**SCIENCE EDUCATION**  
**SCIENCE EDUCATION MASTER**  
**COURSE INFORMATION FORM**

Course Title	Curriculum Evaluation Techniques In Science Education								
Course Code	İFB510		Course Level		Second Cycle (Master's Degree)				
ECTS Credit	8	Workload	197 (Hours)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	comprehending curriculum evaluation models and curriculum process								
Course Content	The basic concepts of curriculum development; historical, philosophical, and social bases of curriculum development, curriculum development approaches and models, need assesment and evaluation in education, planning curriculum development, the processes of curriculum design, applying the curriculum, continuing the curriculum, new approaches in curriculum development and the effects of new trends to the process, reviewing curriculum researches, to prepare and to evaluate a curriculum design sample.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Individual Study								
Name of Lecturer(s)									

#### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

#### Recommended or Required Reading

1	Erden, M. (1998). Eğitimde Program Değerlendirme. Ankara: Anı Yayıncılık.
2	Demirel, Ö. (2005). Eğitimde Program Geliştirme. Pegema Yayıncılık :Ankara.
3	Worthen, B.R., Sanders, J. R. (2000). Educational Evaluation: Theory and Practice.
4	Sönmez, V. (2004). Program Geliştirmede Öğretmen El Kitabı. Anı Yayıncılık: Ankara.

Week	Weekly Detailed Course Contents	
1	Theoretical	basic concepts in the evaluation of curriculum
2	Theoretical	approaches of curriculum evaluation
3	Theoretical	main curriculum evaluation models
4	Theoretical	curriculum evaluation in science and technology education
5	Theoretical	research problems in the evaluation of science and technology curriculum
6	Theoretical	evaluation looking at the product and output
7	Theoretical	evaluation on the elements of curriculum
8	Intermediate Exam	MIDTERM
9	Theoretical	evaluation of the general and specific objectives
10	Theoretical	evaluation of the education statuses
11	Theoretical	evaluation of the testing statuses
12	Theoretical	research techniques used in curriculum evaluation
13	Theoretical	data gathering, analysis of the data and their discussion
14	Theoretical	making the program continuous
15	Theoretical	making the program continuous
16	Final Exam	TERM

#### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	3	3	84
Assignment	14	3	0	42
Reading	10	4	0	40
Midterm Examination	1	10	3	13



Final Examination	1	15	3	18
Total Workload (Hours)				197
[Total Workload (Hours) / 25*] = ECTS				8
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	To be able to understand the basic concepts curriculum evaluation.
2	To be able to understand curriculum evaluation approaches and models.
3	To be able to evaluate a curriculum.
4	To be able to criticize the curriculum with respect to some criterias
5	To be enthusiastic to follow the literature about the curriculum development

### Programme Outcomes (Science Education Master)

1	To be able to have an expert theoretical knowledge within the field of science education.
2	To be able to transfer expert knowledge gained in science education into various instructional environment.
3	To be able to integrate science education knowledge with the other disciplines and product functional knowledge
4	To be able to use information and communication technologies efficiently in conceptual learning
5	To be able to find scientific solutions to the problems in the field of science education
6	To be able to evaluate the knowledge critically in the field
7	To be able to participate in team projects in the science education field
8	To be able to adopt lifelong learning strategies to his/her studies
9	To be able to use at least one foreign language efficiently in oral and verbal communication
10	To be able to share national and international data in the field of science education
11	To be able to comprehend and evaluate science-technology-society and environment interactions
12	To be able to comprehends science under the ethical values and take account of ethical considerations
13	To be able to use scientific information in the other domains that is gained in the masters field and have the transfer skills
14	To be able to follow the current development in the science education field
15	To be able to develop strategical plans and evaluate them in the context of quality processes

### 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			
P2			5	5	5
P3			4	5	5
P5			4	5	5
P6	3	3			
P8	2	2		5	5
P12			2	5	5
P15			4	5	

