



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	Preparation of Project Design in Science Education								
Course Code	İFB528		Course Level		Second Cycle (Master's Degree)				
ECTS Credit	8	Workload	202 (Hours)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	At the end of this course, the students will have the knowledge and skills to make a project, and to be able to make the investment feasibility and decide whether or not to invest in the related field before making investment.								
Course Content	What is project? What kind of projects? Giving basic idea about the research and its applications in science education. Created a problem tree and a object tree in the project study. Tools of Research, Choosing the problem, searching the related literature, planning the research, research methods in science education, Writing the research report and its presentation.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study, Individual Study								
Name of Lecturer(s)	Prof. Hatice ÖZENOĞLU								

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Çepni, S. (2001), "Araştırma ve Proje Çalışmalarına Giriş", Erol Ofset, Trabzon
2	Gürdal, A.(2004), "Proje Raporu Yazımı" İlk ve Orta Öğretimde Araştırma Teknikleri ve Proje, Maltepe Üniversitesi Yayınları, İstanbul.
3	Şahin, F.(2004), "Proje ve Okul" İlk ve Orta Öğretimde Araştırma Teknikleri ve Proje, Maltepe Üniversitesi Yayınları, İstanbul.
4	Yalçın, Ş.(2004), "Proje ve Okul" İlk ve Orta Öğretimde Araştırma Teknikleri ve proje, Maltepe Üniversitesi Yayınları, İstanbul
5	CV. Good (1959). Introduction to Educational Research. Appleton-Century-

Week Weekly Detailed Course Contents

1	Theoretical	1 What is project?
2	Theoretical	2 What kind of projects?
3	Theoretical	3 Proje çalışmasında problem ağacı oluşturma,
4	Theoretical	4 Created a object tree in the project study.
5	Theoretical	5 Researching the related literature
6	Theoretical	6 Planning the project,
7	Theoretical	7 Research methods in science education
8	Intermediate Exam	midterm
9	Theoretical	Research methods in science education
10	Theoretical	10 Choosing a suitable methods with project subject.
11	Theoretical	11 Researching project subject
12	Theoretical	12 Writing the research report
13	Theoretical	13 Preparing a project formate.
14	Theoretical	14 Preparing a project formate.
15	Theoretical	15 Presentation a project with reference to scientific rules.
16	Final Exam	final

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	3	70
Assignment	10	4	2	60
Project	3	7	3	30



Midterm Examination	1	20	1	21
Final Examination	1	20	1	21
Total Workload (Hours)				202
[Total Workload (Hours) / 25*] = ECTS				8

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To be informed of a project.
2	Created a problem tree in the project study.
3	Created a object tree in the project study.
4	Searching the related literature, planning the research, writing the research report
5	Presentation a Project with reference to scientific rules.

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	5	5
P2	4	5	3	4	5
P3	5		5	4	5
P4	4	4	5	4	4
P5	5	5	4	4	4
P6	4	4	5	5	4
P7	5	5	4	5	3
P8	5	4	5	4	5
P9	5	5	4	4	4
P10	5	4	4	4	4
P11	5	4	5	4	4
P12	5	4	5	4	4
P13	5	4	5	4	4
P14	5	5	4	4	4
P15	5	3	4	5	5

