



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Research Methods in Education							
Course Code		EBB253		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	3	Workload	78 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		In this course it is aimed to gain the basics of scientific research, research methods, research process and knowledge of a whole processes of a scientific study.							
Course Content		Literature review, research problem, method, data collection methods and techniques, data analysis, reporting							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study, Problem Solving					
Name of Lecturer(s)		Assoc. Prof. Emrah HİÇDE, Assoc. Prof. Evin ERDEN TOPOĞLU, Assoc. Prof. Mehmet Taha ESER, Ins. Selcen AYDOĞAN, Lec. Derya AKBAŞ, Lec. Özge BIKMAZ BİLGEN, Prof. Ruken AKAR VURAL							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Fraenkel, J. R. and Wallen, R. E. (2009). How to Design and Evaluate Research in Education. New York: McGraw-Hill Companies
2	Karasar, N. (2016). Bilimsel Araştırma Yöntemi. Ankara: Nobel Akademik Yayıncılık

Week	Weekly Detailed Course Contents	
1	Theoretical	Science, Knowledge, Source of knowledge, The ways of reaching the Knowledge, Aims of science
2	Theoretical	Scientific method and types of research
3	Theoretical	Basics of Research: Defining research problem and locating and reviewing the literature
4	Theoretical	Basics of Research: Defining research problem and locating and reviewing the literature
5	Theoretical	Basics of Research: Hypothesis, Aim of research, Significance of research, Assumptions, Limitations
6	Theoretical	Basics of Research: Population, Sample, Methodologies of research
7	Theoretical	Basics of Research: Data collection techniques
8	Intermediate Exam	Midterm Exam
9	Theoretical	Basics of Research: Validity and Reliability for instrumentation and research
10	Theoretical	Basics of Research: Internal validity and external validity in research
11	Theoretical	Basics of Research: Data analysis
12	Theoretical	Basics of Research: Findings, Conclusions and Recommendations
13	Theoretical	Ethics and Research
14	Theoretical	Analysis of a sample research article
15	Theoretical	General Evaluation
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Midterm Examination	1	10	1	11



Final Examination	1	10	1	11
Total Workload (Hours)				78
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Explain basic concepts of the methods to be used in the research in a scientific research
2	Explain the types of research
3	Describe problems related to the profession field and relevant to the research.
4	Review the literature related to a research problem
5	Develop hypothesis / research questions for the research problems
6	Decide the appropriate sampling, research method and collecting data for the research
7	Reports the research

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

