AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Research Methods and Techniques in Education								
Course Code	EYT503		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	5	Workload	129 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	To gain skills to read, plan and conduct scientific studies,.								
Course Content	Concepts of science and research, relationship of science and research, ways to obtain information. Education research. Classification of research. Research models. Research process and techniques; problem and purpose, method, research model, population and sampling, collection of data, processing, analysis and interpretation of data, findings and comments, summary, conclusion and recommendations. The preparation and conduct of research report writing, scientific attitudes and behaviors, planning and preparation of research proposals.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, 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	1. Barzung, J. ve Graff, H.F. (1996). Modern Araştırmacı (Çev:F. Dilber). TÜBİTAK Popüler bilim kitapları 33.
2	Yıldırım, A. ve Şimşek, H. (2011). Sosyal Bilimlerde Nitel Araştırma Yöntemleri. Ankara: Seçkin Yayıncılık
3	R. J. ve Towne, L. (2002). Scientific Research in Education. Washington:National Academy Press
4	Büyüköztürk, Ş., Kılıç Çakmak, E., Akgün, Ö.E., Karadeniz, Ş. & Demirel, F. (2011). Bilimsel araştırma yöntemleri. Ankara: PegemA Yayınları
5	Fraenkel, J.R. & Wallen, N.E. (2005). How to design and evaluate research in education. Boston: McGraw-Hill
6	Erdoğan, İ. (2012). Pozitivist metodoloji. Ankara: Erk Yayınları.
7	Karasar, N. (2010). Bilimsel Araştırma Yöntemleri. Ankara: Nobel Akademi Yayıncılık.

Week	Weekly Detailed Course Contents & Teaching Methods	
1	Theoretical	Introduction to scientific research methods and techniques, basic concepts, principles and approaches
	Preparation Work	Erdoğan, İ. (2012). Pozitivist metodoloji. Ankara: Erk Yayınları.
2	Theoretical	The research problem and sub-problems, problem sources, and criteria to the selection problem
	Preparation Work	Erdoğan, İ. (2012). Pozitivist metodoloji. Ankara: Erk Yayınları.
3	Theoretical	Research variables, variable definition, types
	Preparation Work	Erdoğan, İ. (2012). Pozitivist metodoloji. Ankara: Erk Yayınları.
4	Theoretical	Research hypotheses, definition and characteristics
	Preparation Work	Karasar, N. (2010). Bilimsel Araştırma Yöntemleri. Ankara: Nobel Akademi Yayıncılık.
5	Theoretical	Assumptions, limitations and definitions
	Preparation Work	Karasar, N. (2010). Bilimsel Araştırma Yöntemleri. Ankara: Nobel Akademi Yayıncılık.
6	Theoretical	Publications related to screening and report writing
	Preparation Work	Literature Review
7	Theoretical	Research model, research model types
	Preparation Work	Karasar, N. (2010). Bilimsel Araştırma Yöntemleri. Ankara: Nobel Akademi Yayıncılık.
8	Intermediate Exam	Midterm Exam
9	Theoretical	Population and sample / sampling methods
	Preparation Work	Karasar, N. (2010). Bilimsel Araştırma Yöntemleri. Ankara: Nobel Akademi Yayıncılık. Erdoğan, İ. (2012). Pozitivist metodoloji. Ankara: Erk Yayınları.
10	Theoretical	Collection of data
	Preparation Work	Karasar, N. (2010). Bilimsel Araştırma Yöntemleri. Ankara: Nobel Akademi Yayıncılık. Erdoğan, İ. (2012). Pozitivist metodoloji. Ankara: Erk Yayınları.
11	Theoretical	The methods of validity and reliability
	Preparation Work	Karasar, N. (2010). Bilimsel Araştırma Yöntemleri. Ankara: Nobel Akademi Yayıncılık.
12	Theoretical	Data processing, analysis and interpretation

12	Preparation Work	Karasar, N. (2010). Bilimsel Araştırma Yöntemleri. Ankara: Nobel Akademi Yayıncılık.
13	Theoretical	Research findings and comments
	Preparation Work	Karasar, N. (2010). Bilimsel Araştırma Yöntemleri. Ankara: Nobel Akademi Yayıncılık. Erdoğan, İ. (2012). Pozitivist metodoloji. Ankara: Erk Yayınları.
14	Theoretical	Preparing a research proposal
	Preparation Work	Literature Review, Writing Report
15	Theoretical	Research and publishing ethics
	Preparation Work	Literature Review
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	5	3	112
Midterm Examination	1	5	3	8
Final Examination	1	5	4	9
			Total Workload (Hours)	129
			[Total Workload (Hours) / 25*] = **ECTS**	5

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes

1	Comprehends the qualities of scientific approach.
2	Gains knowledge of the stages of scientific methods.
3	Comprehends the basic concepts of the quantitative research.
4	Becomes able to write a research proposal.
5	Becomes able to develop scientific attitudes and behaviors in the research.

Programme Outcomes *(Educational Administration Supervision Planning and Economics Master's Without Thesis)*

1	To be able to deepen the collected knowledge related to education toward basic theories and applications of Educational Administration and evaluate the relationships between the theories and applications related to educational administration and supervision.
2	To be able to comprehend the relationships between Educational Administration and psychology, sociology, philosophy, management, economy, political sciences and other related disciplines and to carry out interdisciplinary studies by using gained knowledge and abilities related to Educational Administration
3	To be able to apply the knowledge obtained to different level educational organizations in order to be developed and be managed effectively
4	To be able to identify the problems of educational administration and supervision by using the knowledge obtained in Educational Administration and to develop new point of views by using the knowledge obtained from related disciplines
5	To be able to propose solutions to the problems of educational system by using qualitative and quantitative research methods and by mounting the problems of Educational Administration in the problem-solving framework.
6	To be able to develop necessary skills of using statistical softwares in order to carry out a scientific research and to use knowledge and communication technologies necessary for sharing knowledge and data
7	o be able to develop solution models toward the problems of Educational Administration by using related theories and approaches and to apply these solution models to the total system
8	To be able to gain the knowledge necessary for carrying out independent studies in Educational Administration and to apply teamwork skills in order to reach effective results in interdisciplinary studies

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	5	5
P3	5	5	5	5	5
P4	5	5	5	5	5
P5	5	5	5	5	5
P6	5	5	5	5	5
P7	5	5	5	5	5
P8	5	5	5	5	5