

# RESEARCH METHODS IN EDUCATION

<b>1</b>	Course Title:	RESEARCH METHODS IN EDUCATION
<b>2</b>	Course Code:	MBZ0006
<b>3</b>	Type of Course:	Compulsory
<b>4</b>	Level of Course:	First Cycle
<b>5</b>	Year of Study:	2
<b>6</b>	Semester:	4
<b>7</b>	ECTS Credits Allocated:	3.00
<b>8</b>	Theoretical (hour/week):	2.00
<b>9</b>	Practice (hour/week):	0.00
<b>10</b>	Laboratory (hour/week):	0
<b>11</b>	Prerequisites:	None
<b>12</b>	Language:	Turkish
<b>13</b>	Mode of Delivery:	Face to face
<b>14</b>	Course Coordinator:	Doç. Dr. FERHAT ENSAR
<b>15</b>	Course Lecturers:	
<b>16</b>	Contact information of the Course Coordinator:	Dr. Öğr. Üye. Şule Betül Tosuntaş sbtosuntas@uludag.edu.tr
<b>17</b>	Website:	
<b>18</b>	Objective of the Course:	The main purpose of this course is to examine the research process (problem statement, data collection, data analysis, and interpretation of results), to review the main scientific research methods (experimental method, survey method, correlational method, etc.) to learn the techniques of finding literature, collecting data, evaluating data and writing reports.
<b>19</b>	Contribution of the Course to Professional Development:	Students; <ul style="list-style-type: none"> <li>• To develop their understanding of the role of research in science, particularly in the field;</li> <li>• Helping them learn about the research process and methods;</li> <li>• To enable them to seriously analyze and evaluate research in the field;</li> <li>• To think systematically and to apply analytical methods in solving problems in the field;</li> <li>• To teach data collection, data analysis, and evaluation techniques;</li> <li>• To provide information about research proposal and research report preparation.</li> </ul>
<b>20</b>	Learning Outcomes:	
	<b>1</b>	Developing insights on the role of research in science
	<b>2</b>	Learning about the research process and methods
	<b>3</b>	Examining, analyzing and evaluating research in the field
	<b>4</b>	Examining and practicing major research methods
	<b>5</b>	Competence in data collection, analysis and evaluation techniques
	<b>6</b>	To be able to determine the problem statement and designing scientific research
	<b>7</b>	To reach the related literature to conduct research
	<b>8</b>	Choosing the appropriate research and sampling methods
	<b>9</b>	To gain an understanding of research and publication ethics
	<b>10</b>	Writing a research proposal and a research report

<b>21</b>	Course Content:		
	<b>Course Content:</b>		
<b>Week</b>	<b>Theoretical</b>	<b>Practice</b>	
<b>1</b>	Basic Concepts		
<b>2</b>	Research and Publication Ethics		
<b>3</b>	Problem Statement		
<b>4</b>	Literature Review		
<b>5</b>	Sampling Techniques		
<b>6</b>	Quantitative Research Methods		
<b>7</b>	Quantitative Research Methods		
<b>8</b>	Qualitative Research Methods		
<b>9</b>	Quantitative and Qualitative Measurement		
<b>10</b>	Quantitative Data Analysis		
<b>11</b>	Quantitative Data Analysis		
<b>12</b>	Qualitative Data Analysis		
<b>13</b>	Writing the Research Report		
<b>14</b>	Evaluation of Research Projects		
<b>22</b>	Textbooks, References and/or Other Materials:	APA (2011). Publication manual of the American Psychological Association. Washington DC: APA. Cambridge University Research Integrity	
<b>Activites</b>		<b>Number</b>	<b>Duration (hour)</b>
			<b>Total Work Load (hour)</b>
Theoretical		Landree, M.S. Blumenthal, J. Piquado, C. I. Gutierrez., The Ethics of Scientific Research. A GUIDEBOOK FOR	2.00
Practicals/Labs		0	0.00
Self study and preparation		Elliott, Ed.D. Neuman, W. L. (2008). Social research methods:	1.00
Homeworks		2	15.00
Projects		Bacon.	0.00
Assessment		0	0.00
Field Studies		0	0.00
<b>TERM LEARNING ACTIVITIES</b>		<b>NUMBER</b>	<b>WEIGHT</b>
Midterm exams		1	10.00
Others		0	0.00
Quiz Exams		0	15.00
Total Work Load			107.00
Total Workload/ 30 hr		1	60.00
ECTS Credit of the Course			3.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00	
Contribution of Final Exam to Success Grade		60.00	
Total		100.00	
Measurement and Evaluation Techniques Used in the Course		Lecture, Discussion, Individual Teaching, Project method and question-answer, case study, homework techniques are applied in the teaching of the course. In the measurement and evaluation of the course, 1 homework, 1 midterm, 1 project and 1 final exam are applied. The project given in the form of a research proposal is evaluated with rubrics. The success at the end of the evaluation is made in the form of relative evaluation.	
<b>24</b>	<b>ECTS / WORK LOAD TABLE</b>		

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	2	4	4	5	5	5	4	4	5	5	0	0	0	0	5	0
ÖK2	3	4	5	4	2	5	4	5	5	4	0	0	0	0	5	0
ÖK3	5	5	3	5	4	5	5	4	3	5	0	0	0	0	5	0
ÖK4	5	5	3	4	2	4	3	5	3	5	0	0	0	0	5	0
ÖK5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
ÖK6	0	0	0	0	0	0	0	0	0	0	2	0	0	0	5	0
ÖK7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
ÖK8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
ÖK9	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	0
ÖK10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
<b>LO: Learning Objectives    PQ: Program Qualifications</b>																
<b>Contribution Level:</b>	<b>1 very low</b>			<b>2 low</b>			<b>3 Medium</b>			<b>4 High</b>			<b>5 Very High</b>			