

<b>Course Title :</b> Research Techniques <b>Code: 4990008</b>							<b>Name of the Programme:</b> All Doctoral Programs			
Semester	Teaching Methods							Credits		
	Lecture	Recite	Lab.	Project/Field work		Other	Total	Credit	ECTS Credit	
2	3	-	-	-			3	3	3	
<b>Language</b>	Turkish									
<b>Compulsory/ Elective</b>	Compulsory									
<b>Prerequisites</b>	-									
<b>Course Contents</b>	Investigating the research process, reviewing the main research techniques and giving the participants knowledge, skills and experience on subjects such as finding the relevant literature, data collection, data evaluation and report writing techniques which are necessary for doing research on a specific topic. Therefore, the aim of this class is to give the students knowledge and skills to prepare their research proposals and thesis on their own.									
<b>Course Objectives</b>	Is to gain necessary knowledge and skills related to educational research.									
<b>Learning Outcomes and Competences</b>										
<b>Textbook and / or References</b>	All scientific publications on research techniques.									
<b>Assessment Criteria</b>								<i>Mark as (X) if applicable</i>	<b>Percent (%)</b>	
	<b>Midterm Exams</b>							X	40	
	<b>Quizzes</b>									
	<b>Homeworks</b>									
	<b>Projects</b>									
	<b>Term Paper</b>									
	<b>Laboratory Work</b>									
	<b>Other</b>									
	<b>Final Exam</b>							x	60	

<b>Instructors</b>	Associated Professor Bekir Buluç and other academic personals related to research techniques. buluc@gazi.edu.tr
<b>Week</b>	<b>Subjects</b>
<b>1</b>	Scientific Research and Ethics / Moral Principles in Publications; Prevention of Plagiarism and the Legal issues
<b>2</b>	Information Resources, Science, Scientific Method and Research Types
<b>3</b>	Stages in Doing Research: Preparing a Research Proposal
<b>4</b>	Doing Literature Review
<b>5</b>	Finding a Problem for Research and Defining the Problem; Questions and Hypothesis; Assumptions ; Limitations
<b>6</b>	Research Types; Notes on other classifications, Quantitative, Qualitative and Mixed Research Methods a. Survey Models; General Survey and Case Study surveys Models; Relational survey Models, Correlation and Comparison Types. b. Empirical Models;
<b>7</b>	Scope and Sampling; Sampling Types
<b>8</b>	Midterm Exam
<b>9</b>	Data Collection; Types of Data and Resources c. Measurement and main Concepts d. Scale and its types e. Test Reliability and Validity
<b>10</b>	Data Collection Tools and Developing Tools
<b>11</b>	Analyzing Data, Findings and Discussion a. Statistical Analysis b. Using computers for data analysis and introduction to statistical package

	programs c. Findings and discussion
<b>12</b>	Using computers for data analysis and introduction to statistical package programs
<b>13</b>	Reporting the Research Results
<b>14</b>	Final Exam