

<b>Department</b> Department of Mathematics			<b>Academic Year</b> 2022-2023	<b>Date</b> 01/12/2022	
<b>Course Unit Code</b> MATH4106	<b>Course Unit Title</b> Graduation Project		<b>Semester/Year</b> Spring / 4	<b>Number of ECTS Credits</b> 5	
<b>Language of Instruction</b>	Turkish				
<b>Type of Course Unit</b>	Compulsory				
<b>Prerequisites and co-requisites</b>	-				
<b>Address of course</b>	-				
<b>Local Credit</b>	<b>Theoretical</b>	<b>Practical</b>	<b>Laboratory</b>	<b>Presentation</b>	<b>Project</b>
1	0	2	-	-	-
<b>Name of Lecturers</b>	Lecturers of Mathematics				
<b>Assistants</b>	-				

<b>Course content</b>	Subject research and resource search for the graduation project.
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<b>Weekly Detailed Course Contents</b>	
<b>Week</b>	<b>Topic</b>
1	The supervisor determines the subject of graduate project with the students. Then, resources on graduate project are suggested. Students search the resources and a detailed examination of the resources is carried out by the supervisor. Students examine the resources which will prepare for the graduation project and tell the supervisor at the weekly lecture hours until midterm exam. Thus, the subject studied is reinforced by mutual question and answer.
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9	Evaluation
10	The study, which is well understood by the student, is written by the student in a software program determined by the advisor lecturer. The written file is checked in detailed by the supervisor and student to minimize typos. The student writes and prints in the format that the university will accept in order to graduate project. During this period, the student will present the graduation project as a presentation to the supervisor.
11	
12	
13	
14	Presentation and Control

<b>Course Resources</b>			
<b>Assessment Methods and Criteria</b>	<b>In-Term studies</b>	<b>Quantity</b>	<b>Percentage (%)</b>
	<b>Mid-Term Exams</b>	1	40
	<b>Quizzes</b>	-	-
	<b>Assignments</b>	-	-
	<b>Projects</b>	-	-
	<b>Term assignment</b>	-	-
	<b>Laboratory</b>	-	-
	<b>Other</b>	-	-
	<b>Final exam</b>	1	60
<b>On Assessment Methods and Criteria</b>	A grade of success; the relative evaluation system or the discretion of the instructor. In order to be taken into consideration in the courses in which the relative evaluation system and teaching staff's discretion are applied, the final exam score of the student must be at least YSAS. Students who fall below this score are considered to fail directly. For the courses that can not be evaluated with the relative evaluation system, the letter grades of the success grades are determined by the consent of the instructor teaching the table by 100 points by the Senate, using the distribution of the raw success grades at the end of the semester. A student who has received a grade AA, BA, BB, CB or CC grade is deemed to have completed that course. A student who has received one of the grade DC or DD grades is deemed to have		

	fulfilled that course condition. In order for a student who takes DD and DC letters to be counted as successful, the GNO must be at least 2.00. A student who receives a graded FF grade is considered to have failed that course.
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<b>Percentage of Course Category (%)</b>	<b>Mathematics and Basic Sciences</b>	80
	<b>Computer Sciences</b>	20
	<b>Programming Design</b>	0
	<b>Social sciences</b>	0

<b>Course Outcome</b>	The student learns the topics of mathematics in any subject in the field of mathematics. In addition, using the computer program to prepare documents to practice. Finally, he improves his presentation skills.
<b>Aims of the course</b>	Teaching basic mathematical concepts to be used in finishing work of students. In addition to this, the application to prepare documents on the computer.
<b>The way of processing course</b>	Face to face presentation

<b>Relation of the course with program outcomes</b>				
Learning outcomes		1	2	3
<b>1</b>	To have advanced theoretical and applied knowledge in a way to prioritize the scientific approach supported by textbooks containing up-to-date information in the field, application tools and other resources		X	
<b>2</b>	Adapting and transferring the knowledge gained in the field to secondary education			
<b>3</b>	Ability to independently carry out an advanced study in the field			
<b>4</b>	Be aware of the necessity of lifelong learning and continuously improve their professional knowledge and skills.		X	
<b>5</b>	Using a foreign language at least at the European Language Portfolio B1 General Level, following the information in the field and being able to communicate with colleagues			
<b>6</b>	To be able to use information and communication technologies together with computer software at minimum advanced level of European computer license required by the field.			
<b>7</b>	Have the ability to make oral and written presentation in native language			X
<b>8</b>	Having the ability to understand spoken English and use English at reading level			
<b>9</b>	To have the ability to assimilate mathematical concepts and understand the relationships between them, to recognize different aspects of the same concepts and relationships			
<b>10</b>	To have the ability to define and formulate the relationships between items in non-mathematical disciplines in the language of mathematics.			
<b>11</b>	To have the ability to use mathematical knowledge in different problems			
<b>12</b>	Having the ability to develop computer programs using mathematical knowledge			
<b>Contribution of the course: 1:No 2:Partially 3:Completely</b>				

**Preparer:** Associated Professor Ahu ERCAN

**Preparation date:** 01/12/2022