	Course name: MATH116 History of Science and Mathematics			**Department:** Mathematics			Semester 2	
	Methods of Education						Credit (ECTS)	
	Lecture	Recitation/ (Etud)	Project	Exams	Homework / Quiz	Other	Total	4
	42	0	30	15	30	14	131	

Language	English
Compulsory/Elective	Compulsory
Prerequisites	None
Course Contents	Definition of Science, Roots of Science, History of Science, Mathematics History, Ancient Near East Mathematics, Mathematics in Greek Hellenistic Times, Mathematics in Islamic Times, Renaissance Mathematics, Scientific Revolution

Weekly Detailed Course Contents

Weeks	Subjects
1	▪ Definition of Science ▪ Roots of Science
2	▪ Roots of Science ▪ History of Science (Overview)
3	▪ History of Science(Overview) ▪ Mathematics History (Overview)
4	▪ Ancient Near East Mathematics (Mesapotamia, Egypt)
5	▪ Ancient Near East Mathematics (Mesapotamia, Egypt)
6	▪ Mathematics in Greek Hellenistic times
7	▪ Mathematics in Greek Hellenistic times
8	▪ Mathematics in Greek Hellenistic times
9	▪ Mathematics in Islamic times
10	▪ Mathematics in Islamic times
11	▪ Renaissance Mathematics
12	▪ Renaissance Mathematics
13	▪ Scientific Revolution (17-18-th centuries)
14	▪ Scientific Revolution(19-21-st centuries)

Course objectives

The purpose of this course is to

- teach different eras in science history.
- understand the philosophy of each era and the reason why mathematics has its important position in the civilization throughout the history.

Learning Outcomes and Competences

Upon completion of this course students will be able to

- know different eras in science history.
- understand the philosopy in each era.
- know how and why mathematics has come to its important position in the civilization.

Textbook and /or References	**Main texbooks :** • D. M. Burton; The History of Mathematics (An Introduction) WCB Wbm.C.Brown Publishers, 1988. • C. B. Boyer, U. C. Merzbach; A History of Mathematics, John Wiley & Sons, 1989		
Assessment Criteria		If any, mark as (X)	Percentage (%)
	Midterm Exams	X	25
	Quizzes		
	Homeworks	X	25
	Projects		
	Term Paper		
	Laboratory work		
	Other		
	Final Exam	X	50