

Academic subject: HISTORY AND FOUNDATIONS OF MATHEMATICS					
Degree Class: LM-40 - Matematica	Degree Course: Mathematics	Academic Year: 2018/2019			
	Kind of class: mandatory	Year: 2	Period: 2		
			ECTS: 7 divided into ECTS lessons: 6,5 ECTS exe/lab/tutor: 0,5		
Time management, hours, in-class study hours, out-of-class study hours					
lesson: 52 exe/lab/tutor: 8 in-class study: 60 out-of-class study: 100					
Language: Italian	Compulsory Attendance: no				
Subject Teacher: Margherita Barile	Tel: +39 080 5442204 e-mail: margherita.barile@uniba.it	Office: Department of Mathematics 2nd floor, room 23	Office days and hours: By appointment		
Prerequisites: Fundamentals of algebra, calculus, geometry.					
Educational objectives: Understanding the origin and the evolution of mathematical notions.					
Expected learning outcomes (according to Dublin Descriptors)	<p>Knowledge and understanding: Placing a mathematical notion into a historical perspective.</p> <p>Applying knowledge and understanding: Applying a history-based approach to mathematical education.</p> <p>Making judgements: Comparing different views of the same mathematical object.</p> <p>Communication: Raising public awareness in mathematics.</p> <p>Lifelong learning skills: Learning by reading original mathematical works.</p>				
Course program Selected topics in the history of algebra, calculus and geometry, from ancient Mesopotamia to the 19th century.					
Teaching methods: Lectures					
Auxiliary teaching: Lecture notes and related literature.					
Assessment methods: Oral exam					
Bibliography: Further readings recommended during the lectures.					