COURSE DETAIL

HISTORY OF MATHEMATICS

Country
Spain

Host Institution
Complutense University of Madrid

Program(s)
Complutense University of Madrid

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Mathematics

UCEAP Course Number
159

UCEAP Course Suffix

UCEAP Official Title
HISTORY OF MATHEMATICS

UCEAP Transcript Title
HIST OF MATHEMATICS

UCEAP Quarter Units
5.00

UCEAP Semester Units
3.30

Course Description

This course provides a study of the history and development of mathematics, from its origins to the present. It is divided in two parts: mathematics through the 18th century (pre-Euclidean mathematics; Golden Age; second Alexandrian period; medieval mathematics; 16th century; the scientific revolution; development of calculation and mechanics in the 18th century), and mathematics of the last two centuries (from Gauss to the foundation of analysis; foundation of mathematics; Gödel theorems and computation; birth of modern algebra; geometrization of space in the 19th century; differential geometry and applications; algebraic geometry and applications; physical motivations of functional analysis).

Language(s) of Instruction
Spanish

Host Institution Course Number
800594

Host Institution Course Title
HISTORY OF MATHEMATICS

Host Institution Campus
Facultad de Ciencias Matemáticas, Campus de Ciudad Universitaria

Host Institution Faculty

Host Institution Degree

Host Institution Department
Grado en Ingeniería Matemática

Print