

# COURSE DETAIL

## MATHEMATICS MODELS AND DYNAMIC SYSTEMS

**Country**

Spain

**Host Institution**

University of Barcelona

**Program(s)**

University of Barcelona

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Mathematics

**UCEAP Course Number**

160

**UCEAP Course Suffix****UCEAP Official Title**

MATHEMATICS MODELS AND DYNAMIC SYSTEMS

**UCEAP Transcript Title**

MATH MODELS

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

**Course Description**

This course examines mathematical models from different scientific fields including biology, physics, and economics, and applies dynamic systems tools in the analysis of mathematical models. Topics covered include: discrete dynamic systems; fractals and complex dynamics; continuous dynamic systems.

**Language(s) of Instruction**

English

**Host Institution Course Number**

360153

**Host Institution Course Title**

MATHEMATICS MODELS AND DYNAMIC SYSTEMS

**Host Institution Campus**

Facultad de Matemáticas e Informática, Campus Plaça Universitat

**Host Institution Faculty****Host Institution Degree****Host Institution Department**

Matemáticas e Informática

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