COURSE DETAIL

PHYSICS FOR LIFE SCIENCES II
Country Spain
Host Institution Carlos III University of Madrid
Program(s) Madrid Summer Physics
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Physics
UCEAP Course Number 16
UCEAP Course Suffix B
UCEAP Official Title PHYSICS FOR LIFE SCIENCES II
UCEAP Transcript Title PHYSICS II
UCEAP Quarter Units 6.00
UCEAP Semester Units

4.00

Course Description
This course introduces general topics in physics employing a calculus-based approach. Key course topics include: electric charge; force and fields; Gauss' Law; potential; capacitance; current and resistance; circuits; magnetic forces and fields; induction; Farady's Law; EM oscillations; waves; reflection and refraction; optics; interference; diffraction; particles and waves; relativity; nuclear physics. Text: Paul A. Tipler & Gene Mosca, Physics for Scientists and Engineers, 6th Edition Assessment: lab 30%, attendance/homework 20%, exams 50%

Language(s) of Instruction
English

Host Institution Course Number

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PHYSICS FOR LIFE SCIENCES II

Host Institution Course Details

Host Institution Campus
Carlos III University

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

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