

COURSE DETAIL

CLASSICAL MECHANICS

Country

United Kingdom - England

Host Institution

University of London, Royal Holloway

Program(s)

University of London, Royal Holloway

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Physics

UCEAP Course Number

137

UCEAP Course Suffix**UCEAP Official Title**

CLASSICAL MECHANICS

UCEAP Transcript Title

CLASSICAL MECHANICS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course applies the techniques and formulae of mathematical analysis (in particular the use of vectors and calculus) to solve problems in classical mechanics, including statics, dynamics, and kinematics as applied to linear and rigid body rotational dynamics. The course also covers first principles and the derivation of standard formulae in classical mechanics.

Language(s) of Instruction

English

Host Institution Course Number

PH1320

Host Institution Course Title

CLASSICAL MECHANICS

Host Institution Campus

Royal Holloway, University of London

Host Institution Faculty

Host Institution Degree

Host Institution Department

Physics

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