

COURSE DETAIL

SPACE PLASMA AND MAGNETOSPHERIC PHYSICS

Country

United Kingdom - England

Host Institution

University College London

Program(s)

English Universities, University College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Physics Earth & Space Sciences

UCEAP Course Number

146

UCEAP Course Suffix**UCEAP Official Title**

SPACE PLASMA AND MAGNETOSPHERIC PHYSICS

UCEAP Transcript Title

SPACE PLASMA&MAGNET

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course discusses the solar wind and its interaction with various bodies in the solar system, in particular the case of the Earth and the environment in which most spacecraft operate. Topics include an introduction to magnetohydrodynamics, the solar wind, solar wind interaction with unmagnetized bodies, the solar wind interaction with magnetized bodies, various magnetospheric models, and magnetic storms and substorms.

Language(s) of Instruction

English

Host Institution Course Number

PHAS0074

Host Institution Course Title

SPACE PLASMA AND MAGNETOSPHERIC PHYSICS

Host Institution Course Details**Host Institution Campus**

University College London

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

Physics and Astronomy

Course Last Reviewed

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