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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