Spacecraft Engineering

AERO4500 | 6 Units of Credit

Overview

This course will provide an introduction to spacecraft engineering and will cover the topics of rockets and launch vehicles, orbital mechanics, orbital manoeuvres, interplanetary trajectories, mission design and spacecraft systems. Aspects of the design and operation of satellites will also be reviewed. Tutorials will include qualitative and quantitative analysis of relevant problems. Students will use Satellite Toolkit (STK) to complement the lecture and tutorial material and to complete an assignment. The course will include a field trip to the Canberra Deep Space Communications Complex in Tidbinbilla.
Faculty
Faculty of Engineering

School
School of Mechanical and Manufacturing Engineering

Study Level
Undergraduate

Indicative contact hours
6

Timetable
Visit timetable website for details
Conditions for Enrolment

Exclusion: AERO9500
Exclusion Courses

AVEN3420 | 3 UOC
Aircraft Maintenance
Course Outline

To access course outline, please visit:

AERO4500 Course Outline
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions
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Authorised by Deputy Vice-Chancellor (Academic)
CRICOS Provider Code 00098G
ABN: 57 195 873 179