The Space Segment
AERO9610 | 6 Units of Credit

Overview

This course gives the students a basis in the design issues involved in the engineering of the space segment in order to enable to fulfil the mission. This course covers three areas of the space segment design: 1. Design methodology for satellites; 2. Operational environment, including orbits, orbital manoeuvres, interplanetary transfers as well as the thermal, structural, electromagnetic environment and 3. The hardware implementation of the space segment, incorporating the payload types and satellite support subsystems. Examples of current and past space missions are used to illustrate the design process and design implementation associated with the space segment of the mission. Where appropriate, theory associated with the preliminary analysis of the operation and performance of the space segment is also presented. This course delivers to the student a broad overview of the engineering principles involved with the design, development, testing and implementation of the space segment of a space mission.
Faculty
Faculty of Engineering

School
School of Mechanical and Manufacturing Engineering

Study Level
Postgraduate

Offering Terms
Term 1

Campus
Kensington

Delivery Mode
Fully on-site

Indicative contact hours
4

Timetable
Visit timetable website for details
Course Outline

To access course outline, please visit:

AERO9610 Course Outline
Fees

Commonwealth Supported Students  $1191
Domestic Students  $4470
International Students  $5910

DISCLAIMER
Please note that the University reserves the right to vary student fees in line with relevant legislation. This fee information is provided as a guide and more specific information about fees, including fee policy, can be found on the fee website.

For advice about fees for courses with a fee displayed as "Not Applicable", including some Work Experience and UNSW Canberra at ADFA courses, please contact the relevant Faculty.

Where a Commonwealth Supported Students fee is displayed, it does not guarantee such places are available.
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions