COURSE DETAIL

SPACE SYSTEMS ARCHITECTURES AND ORBITS

Country
Australia

Host Institution
University of New South Wales

Program(s)
University of New South Wales

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Mechanical Engineering Earth & Space Sciences

UCEAP Course Number
150

UCEAP Course Suffix

UCEAP Official Title
SPACE SYSTEMS ARCHITECTURES AND ORBITS

UCEAP Transcript Title
SPACE SYSTEMS

UCEAP Quarter Units
6.00

UCEAP Semester Units
4.00

Course Description

This course examines satellite systems, describing their main applications and providing a detailed introduction into the principles of orbital mechanics. It focuses on orbital mechanics, covering orbit description and analysis, perturbations, orbital manoeuvres, interplanetary transfers and launch systems.

Language(s) of Instruction
English

Host Institution Course Number
AERO9500

Host Institution Course Title
SPACE SYSTEMS ARCHITECTURES AND ORBITS

Host Institution Course Details
https://www.handbook.unsw.edu.au/undergraduate/courses/2026/AERO9500

Host Institution Campus
Sydney

Host Institution Faculty
Engineering

Host Institution Degree

Host Institution Department

Course Last Reviewed
2025-2026

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