Handbook

Course

Remote Sensing and Photogrammetry

GMAT 3500  |  6 Units of Credit

Overview

Introduction to the geometric and spectral properties of remotely sensed (satellite, aerial or terrestrial) images of the Earth's surface or objects. Description of analogue and digital images - photography, electro-optical and microwave systems. The physics of visible, infrared and microwave remotely sensed imagery, including atmospheric effects. Image geometry - central projection, scan and microwave systems. The principles of stereovision. Inner orientation of central projection, collinearity equations and deviations from collinearity. Exterior orientation of sensor systems. Object geometry from overlapping images, for block photography for aerial and close range applications. Digital photogrammetric workstations and their functions. Photogrammetric project planning. Image interpretation.
Faculty
Faculty of Engineering

School
School of Civil and Environmental Engineering

Study Level
Undergraduate

Offering Terms
Term 3

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:

GMAT3500 Course Outline
Fees

Commonwealth Supported Students  $1191
Domestic Students  $5970
International Students  $5970

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)

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