Overview

Geographic information systems have improved considerably over the past decade in response to a world that has become very much richer in digital geographic information. The requirement to build complex applications and simulations has become more urgent with the need to plan for a changing climate, to feed an increasing population and to provide pinpoint marketing analysis for business. This course explores a toolbox of conceptual approaches and methods to model and analyse a range of highly complex, often non-deterministic problems. It provides a true enabling technology for the natural sciences and a rich source of computational and representational challenges for the computer sciences. Topics covered include spatial dynamic spatio-temporal modelling; geostatistics; error analysis and data accuracy; network analysis; and machine learning and artificial intelligence methods in GIS.
Faculty
Faculty of Science

School
School of Biological, Earth and Environmental Sciences

Study Level
Postgraduate

Offering Terms
Term 1

Campus
Kensington

Indicative contact hours
4

Timetable
Visit timetable website for details
Conditions for Enrolment

Prerequisite: GEOG9016 or GEOS9016
Course Outline

To access course outline, please visit:

GEOS9017 Course Outline
## Fees

<table>
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<tr>
<th>Category</th>
<th>Fee</th>
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<tr>
<td>Commonwealth Supported Students</td>
<td>$1191</td>
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<td>Domestic Students</td>
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<td>International Students</td>
<td>$5580</td>
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**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. Fees for courses delivered through [UNSW Global](#) are published and charged by UNSW Global and thus appear as "Not Applicable" on this site.

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