Overview

This course will provide students the skills to undertake sophisticated spatial (statistical) analysis and simulation. GeoComputation is in part the continuing development and application of analytical statistics that can be applied to clustering, search and measures of association over space and through time. The course will provide students with the mathematical background behind numerous spatial analytical techniques, and also with the select and integrate these methods in a way that it is appropriate for the problems addressed and the data available. Ultimately, the course will enhance the intellectual and methodological capacity of students in the domain of urban problem-solving. The course will use varied analytical environments, including the geographic information systems QGIS, as well as programming using PySal (Python for Spatial Analysis Library), and GeoDa software.
Faculty
Faculty of Built Environment

School
School of Built Environment

Study Level
Postgraduate

Offering Terms
Term 2, Term 3

Campus
Kensington

Delivery Mode
Fully on-site

Indicative contact hours
2

Timetable
Visit timetable website for details
Conditions for Enrolment

Prerequisites: BENV7500
Course Outline

To access course outline, please visit:

BENV7503 Course Outline
### Fees

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
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<tr>
<td>Commonwealth Supported Students</td>
<td>$1170</td>
</tr>
<tr>
<td>Domestic Students</td>
<td>$3840</td>
</tr>
<tr>
<td>International Students</td>
<td>$4680</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.

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