Data Analysis for Life and Earth Sciences

Overview

Development of skills in applying statistics to biological, earth and spatial data; design and analysis of experiments in life and earth sciences; sampling strategies for estimating sample size; analysis of community and environment structure using multivariate statistics; simulation modelling in population biology, and statistical fitting of non-linear models to population growth data; correlation and both simple and multiple regression; improving statistical models using analysis of residuals; analysis of spatial data. Examples are drawn from ecological, geographical, earth, behavioural, genetic, microbial and immunological data. Practical work emphasises problem-solving and hands-on experience with EXCEL, MINITAB and other specialist software. Assumed Knowledge: MATH1041
Faculty
Faculty of Science

School
School of Biological, Earth and Environmental Sciences

Study Level
Undergraduate

Offering Terms
Term 1

Campus
Kensington

Delivery Mode
Fully on-site

Indicative contact hours
7

Timetable
Visit timetable website for details
Conditions for Enrolment

Exclusion: MATH2099 & PSYC2001
### Exclusion Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>UOC</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>MATH2099</td>
<td>6</td>
<td>Mathematics 2B</td>
</tr>
<tr>
<td>MATH2901</td>
<td>6</td>
<td>Higher Theory of Statistics</td>
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<tr>
<td>MATH2089</td>
<td>6</td>
<td>Numerical Methods and Statistics</td>
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<tr>
<td>MATH2859</td>
<td>3</td>
<td>Probability, Statistics and Information</td>
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<tr>
<td>BIOS2041</td>
<td>6</td>
<td>Biometry</td>
</tr>
<tr>
<td>MATH2801</td>
<td>6</td>
<td>Theory of Statistics</td>
</tr>
</tbody>
</table>
Course Outline

To access course outline, please visit:

BEES2041 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. 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
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Authorised by Deputy Vice-Chancellor (Academic)
CRICOS Provider Code 00098G
ABN: 57 195 873 179