Overview

This course introduces the stochastic models used by actuaries to model both liabilities and assets and illustrates their applications in actuarial work. Topics covered include main features of a Markov chain and applications to experience rating; Markov process models and applications to insurance, survival, sickness and marriage models; simple time series models including random walk and auto-regressive models and their application to investment variables; methods for simulation of a stochastic process. Students will be expected to implement models using the R software in a numerical computer package.
<table>
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<tr>
<th><strong>Faculty</strong></th>
<th>UNSW Business School</th>
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<tbody>
<tr>
<td><strong>School</strong></td>
<td>School of Risk and Actuarial Studies</td>
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<td><strong>Study Level</strong></td>
<td>Undergraduate</td>
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<td><strong>Offering Terms</strong></td>
<td>Term 2</td>
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<td><strong>Campus</strong></td>
<td>Kensington</td>
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<td><strong>Indicative contact hours</strong></td>
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<td><strong>Timetable</strong></td>
<td>Visit timetable website for details</td>
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Conditions for Enrolment

Prerequisite: ACTL2131 or MATH2901 and (enrolment in 3154, 3155, 3586, 3587, 3588, 3589 or 4737)
Equivalent Courses

ACTL5103 6 UOC
Stochastic Modelling for Actuaries
Course Outline

To access course outline, please visit:

ACTL2102 Course Outline
Fees

Commonwealth Supported Students  $1191
Domestic Students  $5610
International Students  $5610

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