

300-313 Actuarial Modelling II

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus.
Time Commitment:	Contact Hours: Three hours of lectures and/or tutorials per week Total Time Commitment: Not available
Prerequisites:	300-204 Financial Mathematics II (/view/2008/300-204) and 620-202 Statistics (/view/2008/620-202) .
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	<p><p>For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.</p> <p>It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability</p></p>
Coordinator:	Dr D Pitt
Subject Overview:	Topics include exact and census methods for estimating transition intensities based on age; goodness of fit and smoothness of graduated estimates versus crude estimates; actuarial modelling; general principles of stochastic processes; Markov chains in actuarial work.
Assessment:	A 2-hour end of semester examination (80%) and up to three assignments totalling not more than 20 pages (20%).
Prescribed Texts:	None
Recommended Texts:	Information Not Available
Breadth Options:	<p>This subject is a level 2 or level 3 subject and is not available to new generation degree students as a breadth option in 2008.</p> <p>This subject or an equivalent will be available as breadth in the future.</p> <p>Breadth subjects are currently being developed and these existing subject details can be used as guide to the type of options that might be available.</p> <p>2009 subjects to be offered as breadth will be finalised before re-enrolment for 2009 starts in early October.</p>
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	# High level of development: written communication; problem solving; statistical reasoning; application of theory to practice; synthesis of data and other information.

Notes:

Students may not gain credit for both 300-313 Actuarial Modelling II and 300-330 Survival Models: Theory and Applications.