ECON30025 Computational Economics and Business

Credit Points:	12.50
Level:	3 (Undergraduate)
Dates & Locations:	This subject is not offered in 2011.
Time Commitment:	Contact Hours: Three hours of lectures, seminars and tutorials per week Total Time Commitment: Not available
Prerequisites:	One of the following:

Subject	Study Period Commencement:	Credit Points:
ECOM20001 Introductory Econometrics	Semester 1, Semester 2	12.50
ECON20003 Quantitative Methods 2	Summer Term, Semester 1, Semester 2	12.50

Corequisites:	None
Recommended Background Knowledge:	Please refer to Prerequisites and Corequisites.
Non Allowed Subjects:	None
Core Participation Requirements:	For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements for this entry.The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/
Contact:	
Subject Overview:	This subject covers the application of computer based techniques to solve the problems encountered in economics and business. The techniques covered include the construction and use of hierarchical data sets, the use of multivariate graphics and statistics in the context of data mining applications, the elements of computer simulations, and the application of linear programming for the analysis of productivity in the context of data envelopment analysis. One aspect of this subject is the introduction of students to different software options. Possible software to be considered will be SAS, Stata, GAUSS, SPSS, TSP, EMS, Scientific Word, and *Eviews*.
Objectives:	Information not available.
Assessment:	A 2-hour end-of-semester examination (60%) and empirical exercises equivalent to 4000 words (40%).
Prescribed Texts:	You will be advised of prescribed texts by your lecturer.
Breadth Options:	This subject potentially can be taken as a breadth subject component for the following courses: # **Bachelor of Arts (https://handbook.unimelb.edu.au/view/2011/B-ARTS)** # **Bachelor of Biomedicine (https://handbook.unimelb.edu.au/view/2011/B-BMED)** # **Bachelor of Environments (https://handbook.unimelb.edu.au/view/2011/B-ENVS)** # **Bachelor of Music (https://handbook.unimelb.edu.au/view/2011/B-MUS)** # **Bachelor of Science (https://handbook.unimelb.edu.au/view/2011/B-SCI)** # **Bachelor of Engineering (https://handbook.unimelb.edu.au/view/2011/B-ENG)**

	You should visit **learn more about breadth subjects (http://breadth.unimelb.edu.au/breadth/info/index.html)** and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	# High level of development: problem solving; statistical reasoning; interpretation and analysis; use of computer software; accessing data and other information from a range of sources. # Moderate level of development: written communication; application of theory to practice; critical thinking; synthesis of data and other information; evaluation of data and other information; receptiveness to alternative ideas. # Some level of development: oral communication; collaborative learning; team work.
Related Course(s):	Master of Accounting Master of Accounting
Related Majors/Minors/ Specialisations:	Economics Major