



Business School

Master of Commerce and Extension Programs Data Analysis Course Options

Never Stand Still

Business School

COMM5005 Quantitative Methods for Business:

This course provides an introduction to the basic mathematical and statistical tools needed in a business degree. There is an emphasis on problem solving by both manual and computer methods. The first six lectures focus on algebra and graphs, financial mathematics and optimisation methods including linear programming and calculus. The second six lectures focus on probability, descriptive and inferential statistics.

This course aims to enhance your ability to analyse financial and economic data and thereby to assist in making business decisions. It is one of the three data analysis core courses of the revised MCom program and is recommended for students in specialisations where quantitative skills are required. The course is designed if you have had little or no quantitative training in your undergraduate degree and need mathematical and statistical skills for specialisations in the areas of Banking, Finance, Economics and Finance, Business Strategy and Risk Management. While the skills learned are also relevant for other MCom specialisations students from Marketing, Information Systems and Management disciplines will usually find COMM5011 Data Analysis for Business more appropriate as their data analysis core course.

COMM5011 Data Analysis for Business:

This course provides you with an introduction to the basic analytical skills and tools needed in a business degree. There is an emphasis on problem solving and business analytics by both manual and computer methods. The first six lectures focus on project definition and qualitative data analysis techniques including tools. The second six lectures focus on triangulation and quantitative data analysis including tools.

This course is offered as one of the Data Analysis alternatives in the core of the MCom and MCom (Extension) degree programs. The course aims to develop your ability to analyse qualitative and quantitative business data for operations and management purposes. This course is designed if you have little or no qualitative or quantitative training in your undergraduate degree but you need to develop these skills for specialisations in the areas of Marketing, Enterprise Systems and Business Design, Human Resource Management, International Business, and Organisation and Management. The skills learned are also relevant for broader specialisations including project management and business decision making.

ECON5248 Business Forecasting:

This course introduces econometric/statistical techniques relevant to time series analysis and forecasting in a business environment. You will learn to practically analyse time series data via E Views, which is a popular software package that implements relevant econometric/statistical methods.

Building on basic theories and knowledge outlined in the COMM5005 Quantitative Methods for Business course description, this course aims to provide the elementary principles and techniques of time series analysis and business forecasting, emphasising practical data analysis. If you are planning to enrol in this course you need to have completed, (at a minimum) one mathematics and one statistics course, or two statistics courses at university level.

Note: 24 units of Credits (4 courses) may be awarded for prior learning.

Assessment of these credits will be undertaken upon submission of an application for Credit/Advanced Standing Assessment or if requested in your application for admission to MCom or MCom Extn.

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Last Updated 29 July 2014 CRICOS Code 00098G

