

## Module specification

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Module Code	BUS6B1
Module Title	Accounting and Finance Skills Top Up Course
Level	6
Credit value	20
Faculty	FSLS
HECoS Code	100831
Cost Code	GAMG

## Programmes in which module to be offered

Programme title	Is the module core or option for this programme
BA (Hons) Accounting and Finance Management	Option

## Pre-requisites

None

## Breakdown of module hours

Learning and teaching hours	24 hrs
Placement tutor support	0 hrs
Supervised learning e.g. practical classes, workshops	0 hrs
Project supervision (level 6 projects and dissertation modules only)	0 hrs
<b>Total active learning and teaching hours</b>	<b>24 hrs</b>
Placement / work based learning	0 hrs
Guided independent study	176 hrs
<b>Module duration (total hours)</b>	<b>200 hrs</b>

For office use only	
Initial approval date	26/07/2023
With effect from date	August 2023



<b>For office use only</b>	
Date and details of revision	
Version number	1

## Module aims

This module aims to develop a critical and practical understanding of the concepts and principles of economics, quantitative methods and current ICT methods used by accountants and financiers. In particular, students will have the opportunity to learn and practice statistical modelling so they can forecast the likelihood of future events. Embedded in the module content and assessment are the competencies required to ensure students have the skills needed to work in accounting and finance and students will develop their knowledge so the above concepts and principles can be applied to an accounting or finance industry. The purpose of this module is to enable students to gain the CPA Australia accreditation and has been mapped accordingly. This will be an online module.

## Module Learning Outcomes - at the end of this module, students will be able to:

1	Explain how ICT is used to analyse data and information
2	Explain the impact of ICT on an organisation's environment and business model, and evaluate how it effects data analysis and decision making
3	Describe and evaluate the fundamental principles of microeconomics and macroeconomics
4	Identify and apply commonly used quantitative methods and techniques to collect and analyse non-financial data
5	Review and critically evaluate statistical data and hypothesis testing

## Assessment

Indicative Assessment Tasks:

This section outlines the type of assessment task the student will be expected to complete as part of the module. More details will be made available in the relevant academic year module handbook.

**Indicative Assessment One:** A three-hour examination based on the fundamentals of economics, quantitative methods for data analysis, and current ICT practices used by Accountants and Financiers.



Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)
1	1,2,3,4,5	Examination	100

## Derogations

None

## Learning and Teaching Strategies

The overall learning and teaching strategy is based upon the key principle that students are encouraged to participate in higher education when they are exposed to flexible ways of learning that engage them using innovative and creative pedagogical approaches. To this end the Accounting and Finance Skills Top Up module applies the University's Active Learning Framework (ALF) supporting accessible, and flexible learning.

Accounting and Finance Skills Top Up Course module will have access to multiple learning opportunities including face to face or online classes (with core and guest lecturers), seminars, access to recorded lectures, lecture notes and handouts and directions to relevant essential and additional reading. An interactive approach to learning is always maintained and staff will engage students with key issue by drawing on case studies and their practice experiences in the world of business. Lectures will be organised around lecture inputs, quizzes, recorded video content, simulation software (where applicable), larger and small group discussions and debates. Face to Face or video mediated appointments can be made with tutoring staff via Microsoft Teams to discuss module content and assignments.

## Indicative Syllabus Outline

1. Introduction – What is Economics, Economic systems and resource allocation?
2. Fundamentals of Microeconomics; supply and demand, comparative advantage, market failure
3. Fundamentals of Macroeconomics; GDP, Inflation, Fiscal and Monetary policy, and Balance of payments
4. Market structures and their implications on persons and businesses
5. Micro and Macroeconomic effects on businesses
6. What is statistical analysis?
7. Data collection and preparation; tables, charts and descriptive measures
8. Statistical metrics and hypothesis testing; uncertainty, confidence intervals
9. Regression and variance analysis and model building
10. Non parametric tests and chi square
11. Introduction to Excel and cash flow statement analysis, CFI, CFO and CFF.
12. Databases, data storage and networks
13. Transaction processing, artificial intelligence and big data.
14. Applications of ICT for Accounting and Finance
15. ERP Systems, systems flowcharts, block and transaction processing and integrity.
16. Applications of Sage software to Accounting applications.

## Indicative Bibliography:

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Please note the essential reads and other indicative reading are subject to annual review and update.

### Essential Reads

Mankiw, N. (2011), *Principles of Economics*. South-Western College Publisher.

Wooldridge, J.M., 2015. *Introductory econometrics: A modern approach*. Cengage learning.

### Other indicative reading

Dixon, M., Halperin, I., and Bilokon., P. (2020), *Machine Learning in Finance: From Theory to Practice*. Springer.

## Employability – the University Skills Framework

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Each module and programme is designed to cover core Graduate attributes with the aim that each Graduate will leave the University having achieved key employability skills as part of their study. The following attributes will be covered within this module either through the content or as part of the assessment. The programme is designed to cover all attributes and each module may cover different areas.

### Core Attributes

Engaged  
Enterprising  
Creative  
Ethical

### Key Attitudes

Commitment  
Curiosity  
Resilience  
Confidence  
Adaptability

### Practical Skillsets

Digital Fluency  
Organisation  
Leadership and Team working  
Critical Thinking  
Emotional Intelligence  
Communication