

BIS200 Unit Outline

Unit Code and Title: BIS200 BUSINESS FORECASTING AND TECHNOLOGY
Course(s): Bachelor of Professional Accounting
Core Unit: Yes
Credit Points: 10 credit points
Study Period: Year Two
AQF Level 7: One Quadmester
Study Load: Students should expect to spend approximately 130 hours on studying and completing assignments across the study period. This includes time spent attending scheduled weekly classes, Work Integrated Learning (WIL) activities (if any), undertaking private study, and preparing for assessments, and examinations.
Pre-Requisite: There is one prerequisite BUS101 Quantitative Methods.
Mode(s) of Delivery: This unit will be delivered predominantly face-to-face and online via Learning Management System (Canvas)/Zoom with recordings available for later viewing. Where appropriate, assessments MUST be submitted to Turnitin for authentication checking

Unit Description:

Forecasts (based on best estimate assumptions) and projections (which may include a mixture of best estimate and/or hypothetical assumptions) are a key tool for business planning. In this course we explore both qualitative and quantitative (judgemental) approaches to forecasting, with emphasis on reliable and responsive methods. These include introductory regression modelling, exponential smoothing, and autoregressive integrated moving average (ARIMA) modelling. All concepts are presented using “R” in order to develop technology skills in this free programming language for statistical computing.

Prescribed Textbook:

Hyndman, R. J., and Athanasopoulos, G. 2021. Forecasting Principles and Practices, 3rd Ed. Retrieved from <http://otexts.org/fpp2/>

Unit Learning Outcomes (ULOs): On successful completion of this unit, students will be able to:

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| [ULO1] Recognize and describe the requirement for and purpose of forecasts and projections in the business context. |
| [ULO2] Select and apply appropriate business forecasting methods to suit the business scenario under investigation. |

[ULO3] Build accurate and robust models to prepare both forecasts and projections.

[ULO4] Apply coding skills for both the analysis and presentation of forecasts.

Assessment Requirements:

Assessment Type	Due	Weighting (% of total marks)
Assessment 1: Discussion Forum – On-Campus and Online	Week 1 to 8	10%
Assessment 2: Mid Quadmester Test – On Campus or Online (Closed-book)	Week 5	15%
<p>Assessment 3: Group Assessment Report with Presentation – Business Forecasting and Technology Case study:</p> <p>In this case study, students are required to use and share their skills and knowledge to analyse the business forecasting and technology issues/problems with their group members.</p> <p>Presentations to address the key points of the group report must be approx. 15-20 minutes long in which all group members participate and occupy discrete roles.</p> <p>Groups of three or four must provide a 6000-word written report with an individual reflective summary report of 1500 words from each group member. Variations of plus or minus 10% of word limitation are acceptable.</p>	Week 8	<p>25%</p> <p>(Report 20% plus presentation 5%)</p>
Assessment 4: Final examination (Closed Book). The 3 hours invigilated examination is conducted in the week 10 following the week 9 of study break and exam revision	Week 10	50%

Note: It is your responsibility as a student to regularly check the academic policy documents available on the school website and unit materials available on the Learning Management System (LMS). ***Failure to do so could lead to students taking a risk of failing to maintain satisfactory progress in the unit and completing the course on time. *A breach of academic integrity could lead to the imposition of penalties.**