

MATH 3008 QUANTITATIVE PROJECT

Credit Points 10

Legacy Code 200045

Coordinator Andrew Francis (<https://directory.westernsydney.edu.au/search/name/Andrew Francis/>)

Description In this unit, students can deepen or apply knowledge gained during their course and practise verbal and written presentation skills. Students will carry out a project under the supervision of an academic staff member. Assisted by their supervisor, students will define the problem to be studied and then acquire, develop and apply the appropriate theory or methodology. They will prepare a final report presenting theoretical results or methodology, an analysis and a discussion followed by an appropriate conclusion, as well as a literature review or a list of references as appropriate. Students will also give a talk on their project.

School Computer, Data & Math Sciences

Student Contribution Band HECS Band 1 10cp

Check your HECS Band contribution amount via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Undergraduate Level 3 subject

Pre-requisite(s) Students must have successfully completed 30 credit points of Level 2 mathematics/statistics units from MATH 2010 Linear Algebra

MATH 2001 Advanced Calculus

MATH 2003 Differential Equations

COMP 2003 Computer Algebra

MATH 2011 Making Sense of Data

MATH 2009 Introduction to Data Science

Students must also have completed 30 credit points of Level 3

mathematics/statistics units from MATH 3006 Mathematical Modelling

MATH 3003 Analysis

MATH 3001 Abstract Algebra

COMP 3020 Social Web Analytics

MATH 3007 Predictive Modelling MATH 3005 Environmental

Informatics

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Item	Length	Percent	Threshold	Individual/Group Task
Written project outline	12 - 15 pages	10	N	Both (Individual & Group)
Presentation of project outline (possibly by video-conferencing)	10 minutes	10	N	Both (Individual & Group)

Written project report	20 - 40 pages	45	N	Both (Individual & Group)
Presentation of project report (possibly by video-conferencing)	20 minutes	25	N	Both (Individual & Group)
Supervisor's assessment of the student's self-directed project work		10	N	Individual

Teaching Periods