

Course Outline

Title: GUIDED STUDY

Code: MATHS4000

Formerly: MA865

Faculty / Portfolio: Faculty of Science

Program Level:

	AQF Level of Program					
	5	6	7	8	9	10
Level						
Introductory						
Intermediate						
Advanced				✓		

Pre-requisites: (A major study in mathematics in an undergraduate degree)

Co-requisites: Nil

Exclusions: (MA758)

Progress Units: 15

ASCED Code: 010101

Learning Outcomes:

Knowledge:

- K1.** investigate key issues related to problems in mathematics topics;
- K2.** display an in depth knowledge of related mathematics concepts.

Skills:

- S1.** work independently to research and construct a solution to a problem;
- S2.** compare and evaluate appropriate mathematical principles studied toward problem solving on a particular task; and
- S3.** retrieve and analyse literature material on a give mathematical topic.

Application of knowledge and skills:

- A1.** synthesize and plan a coherent piece of writing that investigates a topic in mathematics;
- A2.** communicate research findings in writing and by oral presentation.

Values and Graduate Attributes:

Values:

- V1.** discuss social and political issues in mathematics topics studied; and
- V2.** take an ethical stand on issues related to the mathematics topics studied.

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Graduate Attributes:

Attribute	Brief Description	Focus
Continuous Learning	Self-motivated learning and research is required for this course	High
Self Reliance	Self-motivated learning and research is required for this course	High
Engaged Citizenship	Not applicable	Low
Social Responsibility	Not applicable	Low

Content:

The content of this unit will vary, depending on the interest of the students who elect to do this unit. The student and a nominated supervisor will devise a suitable program of study at the outset of the unit in consultation with the course coordinator. The topic may be chosen to complement, though it would not directly contribute to, a larger project such as a thesis.

Assessment:

Learning Outcomes Assessed	Assessment Task	Assessment Type	Weighting
K1, K2, S1-3, A1	Individual exploration: assignment 1	Negotiated contract	30 - 50%
K1, K2, S1-3, A1, A2	Individual exploration: report and/or presentation	Negotiated contract	10 - 20%
K1, K2, S1-3, A1	Review and skills practice assignment 2 / Test	Negotiated contract	30 - 50%

Adopted Reference Style:

APA

Presentation of Academic Work:

<https://federation.edu.au/students/assistance-support-and-services/academic-support/general-guide-for-the-presentation-of-academic-work>