### Sample Study Outline

# **Advanced Mathematics**

Program / Degree: 3956 B. Advanced Mathematics (Honours) with a major in Pure Mathematics

- x All students in Advanced Mathematics must complete an Honours year of 48 UoC.
- x In addition to the courses required for your major, students must also take
- x Science Electives Free Electives and General Education courses. Students may use their Science Electives and/or Free Electives to complete a second major or minor.
- x Students must take 12 UOC of Stage 3 Mathematics chosen with the approval from the Head of School of Mathematics and Statistics or nominee.

Please Note: Semester offerings are subject to change, please check the timetable prior to planning for your enrolment.

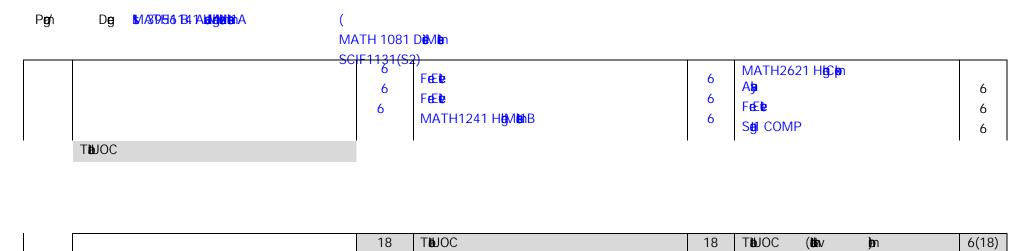
- x Free Electives may be from Science or any other Faculty at UNSW.
- x General Education courses cannot be Science courses, and Science students cannot take GENScourses for their General Education. Students cannot complete more than 72 UoC of Level 1 courses including any GEN courses and Level 1 courses taken for General Education.

#### Resources:

- x UNSW Handbook
- x School of Mathematics and Statistics
- x Co-

#### Sample Study Outline

## **Advanced Mathematics**



MATH3901 HgPl& StPo

3<sup>rd</sup> MATH3911 H**∮\$\$6** 

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## Sample Study Outline

# **Advanced Mathematics**

Program / Degree: 3956 B. Advanced Mathematics (Honours)

				18		
2 <sup>nd</sup>	MATH2111 Higher Several Variable Calculus MATH2301 Mathematical Computing General Education Option	6 6 6	MATH2221 Higher Math Method for Des MATH2601 Higher Linear Algebra MATH2901 Higher Theory of Statistics	6 6 6	Industry Training 1	12
	Total UOC	18	Total UOC	18	Total UOC(nominal)	12
•	Stage 3 Approved MATH (Note 3)	6	Stage 3 Approved MATH (Note 1)			
3 <sup>rd</sup>	Stage 3 Approved MATH (Note 3)	6	Stage 3 Approved MATH (Note 2)			
	Free Elective	6				
4 <sup>th</sup>	Industry Training 2 -A	12	Industry Training 2 - B Industry Training 3 - A	12	Industry Training 3 - B	12

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In addition to the courses required for your major, students must also take

Science Electives Free Electives and General Educationcourses. Students may use their Science Electives and/or Free Electives to complete a second major or minor.

#### Stage 3 Electives:

Note 1: 6 UOC Level 3 Elective List A: MATH3041 (T2), MATH3051 (T3)

Note 2: 6 UOC Level 3 Elective List B: MATH3101, MATH3121, MATH3161, MATH3171, MATH3191, MATH3201, MATH3261, MATH3261, MATH3311,

MATH3361, MATH3371, MATH6781 Note 3: Level 3 Elective: See Handbook

Free Electives may be from Science or any other Faculty at UNSW.

General Education courses cannot be Science courses, and Science students cannot take GENScourses for their General Education.

Students cannot complete more than 72 UOC of Level 1 courses including any GEN courses and Level 1 courses taken for General Education.

Resources: