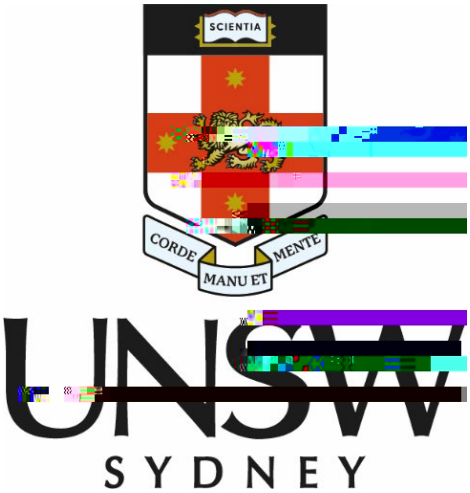

UNSW SCIENCE

School of Maths and Statistics

Course outline

MATH2701

Abstract Algebra and Fundamental Analysis

Term 3, 2022

Cricos Provider Code: 00098G

Course Aims

This course aims to introduce advanced mathematics students to a selection of themes of pure mathematics in order to motivate further abstraction and give practice in mathematical rigour.

Course D escription

Mathematics went through quite a revolution around the turn of the 20th century. In particular, an axiomatic approach infiltrated the mathematical paradigm, both as a tool to ensure mathematical rigour and to abstract common principles working in a variety of different settings.

First year mathematics emphasizes computation over abstraction and rigour. Later year courses

Late Submission of Assessment Tasks

A late penalty of 5% of the maximum mark for the task

An online Module “

Course Evaluation and Development (MyExperi ence)