

UNIVERSITY OF WAIKATO
Department of Mathematics (FCMS)

***MATH319-11A* – Topics in Pure Mathematics**

Paper Outline

LECTURER

Prof. Kevin Broughan

Rm: G3.22

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Class Website linked to: <http://www.math.waikato.ac.nz/~kab>

OFFICE HOURS Thursdays 3.10 – 5.00pm G.3.22 (during teaching weeks)

LECTURE TIMES

| | | |
|-----------------|------------------------|-------------------------------------|
| Monday | 11.00 – 11.50am | G.3.33 |
| Tuesday | 5.10 – 6.00pm | G.3.33 |
| Thursday | 5.10 – 6.00pm | G.3.33 (normally a Tutorial) |
| Friday | 4.10 – 5.00pm | G.3.33 |

PAPER DESCRIPTION AND OBJECTIVES

This paper is designed to give students an introduction to a range of topics within modern pure mathematics, with particular focus on one. In 2011 the main topic is Number Theory. Other topics will be covered in the Friday lecture slot.

ASSESSMENT

There will be **SIX assignments**, each worth 8% of the internal grade, **ONE test** worth 52%, and a **FINAL examination**. Late assignments will be penalised. Assignments should be handed in through the slot marked 319 under the Mathematics Office reception counter (G3.19) **by 6pm on or before the dates specified on the class website**.

The FINAL exam will consist of 6 questions each worth equal marks: 4 questions on Number Theory and 2 questions on the other topics.

Internal assessment/examination ratio: 1:1 or 0:1, whichever is more favourable for the student.

A passing final grade will not be awarded if the mark in the Final examination is less than 40%.

Late assignments

If you fail to complete an assignment on time with good reason (illness etc.) you may apply to the lecturer for an extension. The Medical certificate should be submitted to the lecturer or Maths office (G3.19) no later than two days after the date on which the work was due. You should provide a **Medical certificate** from a *registered medical practitioner (not a nurse)* in the case of illness, or other relevant written evidence.

Detailed Regulations can be found in the 2011 University Calendar.

For other information please visit the website: <http://www.math.waikato.ac.nz/studentinfo.html>