

Course Outline

201601 Math 462 A01 CRN 22153 & Math 520 A01 CRN 22157

- Instructor:** Dr. Gary MacGillivray
- Office:** DTB A442
- Phone:** 250-721-7448
- Email @uvic.ca:** gmacgill
- Office Hours:** Please see the course web page.
- Course Title:** Topics in Number Theory: Analytic Number Theory
- Textbook:** PDF course notes are available to download at no cost
- Prerequisites:** Math 236 and 362 are recommended.
- Lectures:** MWR 2:30 – 3:20 in Cle C109
- Course Web Page:** Look at www.uvic.ca/science/math-statistics then Undergraduate then Courses, and then 462 to find:
- this outline
 - office hours
 - assignments and due dates
- Syllabus:** The distribution of primes, including Bertrand's Postulate, Dirichlet's Theorem, Merten's Theorem, Sieve methods, and the Prime Number Theorem.
- Grading Scheme for 462:**
- | | |
|---|-----|
| • Take-home assignments (six; not of equal value) | 70% |
| • Final Exam (scheduled by Records) | 30% |
- Grading Scheme for 520:**
- | | |
|---|-----|
| • Take-home assignments (six; not of equal value) | 55% |
| • Project | 15% |
| • Final Exam (scheduled by Records) | 30% |
- Grading Notes:**
- Because so much value is being put on the assignments, students who achieve less than 40% on the final exam will not pass the course.
 - For the purposes of GPA calculations, the standard UVic conversion from course percentage to letter grade is used. Details are in the Calendar, and also on the Course Policy sheet referenced below.

Course Outline

201601 Math 462 A01 CRN 22153 & Math 520 A01 CRN 22157

Course Policies:

Please see the Course Policies common to all Math classes at

www.uvic.ca/science/math-statistics/undergraduate/course-policies/index.php.

Some of these are repeated in what follows. In particular, note that the only calculator that may be used on exams is the Sharp EL 510R or the Sharp EL-510RNB.

Discussing homework exercises with classmates, including homework to be submitted for marks, is a useful and mathematically healthy practice. The work you submit must be written independently, be in your own words, and reflect your understanding.

Please take note of the UVic policy on attendance: see

<http://web.uvic.ca/calendar2015-09/FACS/UnIn/UARe/Atte.html>

In particular, students are expected to attend all classes in which they are enrolled.

Students are expected to submit their homework, and write tests, as scheduled. Assignments are due in class *before the lecture begins*. Late assignments may be submitted before the start of the next class, with a 20% deduction from the grade earned.

Academic concessions are available to students who, through no fault of their own, are prevented by circumstances from completing an assignment, writing a midterm, or writing the final exam. In accordance with UVic policy, these are considered only in cases of illness, accident or family affliction: see

<http://web.uvic.ca/calendar2015-09/FACS/UnIn/UARe/AcCo.html>

Supporting documentation from a doctor or counsellor or varsity coach is required for any concession.

If an academic concession is granted for a term work, then the student's rank on the final exam will be used to estimate a grade for each piece of work excused. As emphasized in the next point, academic concessions for term work are limited to work of value totalling at most 30% of the course grade. Retroactive withdrawals are available to students who are able to provide their Associate Dean with documentation showing that accident, illness, or affliction has prevented them from making a serious attempt at the course.

Academic concessions will not be granted to students who have been absent from class for a substantial portion of the term, or who will not have completed course work worth at least 30% of the course grade by the end of the last day of classes. Please note that 'Deferred' status applies only to final exams.

If you have a question or concern about an assigned mark, please bring it to my attention within seven calendar days of the date when work is returned to the class. After this time has elapsed, your mark will not change except in case of an arithmetic error. If you are sick, an email or a phone call will suffice as notice, provided you see your instructor immediately on your return to classes.

Take-home assignments and midterms will be returned in class, or can be claimed during office hours. Any term work that is uncollected by the end of the final exam period will be put into confidential shredding.

Please also see the Course Policies common to all Math classes posted for 462 at

www.uvic.ca/science/math-statistics/undergraduate/course-policies/index.php and for 520 at

www.uvic.ca/science/math-statistics/graduate/course-policies/index.php

Special arrangements will not be made for students who have plans for travel or employment during the final examination period.

Note. The Course Experience Survey (CES) has moved online. Towards the end of term you will have the opportunity to complete an anonymous survey regarding your learning experience. I take the comments seriously and thank you in advance for them.