

MATH 4600 — Advanced Research Project in Mathematics Fall 2016

Department of Mathematics and Statistics, University of Guelph

Coordinator: [A. Willms](#), MACN 512, ext. 52736

Calendar Description

Each student in this course will undertake an individual research project in some area of mathematics, under the supervision of a faculty member. A written report and a public presentation of the project will be required. This is a 1.00 credit course.

Assessment

Each student will:

1. Deliver a 15-minute preliminary oral presentation, describing the problem/topic and goals. This presentation should be delivered using computer-generated slides, like a typical colloquium talk. Presentation dates will likely be in weeks 4-6 of the semester. Date and Room to be announced.

No mark is attached to this presentation; however, each student will receive feedback from his/her supervisor, as well as feedback and encouragement from the audience.

2. Deliver a 30-minute final oral presentation, worth 30% of the final grade, again, using computer-generated slides. These presentations will take place typically during the final examination period; particular date and room to be announced.

Presentation rubric	Marks
Understanding of material (as reflected by slides and presentation)	20
Answering questions	20
Clarity (logic, mathematical & graphical content)	20
Organization & length	20
Independent original work (as graded by supervisor)	20

3. Submit a typeset report, 15--20 pages in length (single spaced, 12 point font), worth 70% of the final grade.
Due date: Monday, December 12, 4:30 p.m.

Report rubric	Marks
Clearly explain and motivate the problem/topic	20
Background and bibliography	10
Clearly motivate study/solution technique	10
Originality and/or quality of mathematical and/or algorithmic content	30
Clarity and correctness	20
Solved problem / Achieved project goal(s)	10

Both the supervisor and the course coordinator grade each student. The student's final grade is obtained by weighting the supervisor's grade by 2/3 and the coordinator's grade by 1/3.

University Policies

E-mail Communication

All students are required to check their University of Guelph e-mail account regularly; e-mail is the official route of communication between the University and its students.

Academic Accommodation of Religious Obligations

If you are unable to complete a course requirement due to religious obligations, please let the instructor know within the first two weeks of class. See the academic calendar for more information:

<http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-accomrelig.shtml>

Academic Consideration

When you find yourself unable to meet an in-course requirement because of illness or compassionate reasons, please advise the course instructor in writing, with your name, id, and e-mail contact. See the academic calendar for information on regulations and procedures for Academic Consideration:

<http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-ac.shtml>

Academic Misconduct

The University of Guelph is committed to upholding the highest standards of academic integrity and it is the responsibility of all members of the University community, faculty, staff, and students to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring. University of Guelph students have the responsibility of abiding by the University's policy on academic misconduct regardless of their location of study; faculty, staff and students have the responsibility of supporting an environment that discourages misconduct. Students need to remain aware that instructors have access to and the right to use electronic and other means of detection. Please note: Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it. Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member or faculty advisor. The Academic Misconduct Policy is detailed in the Undergraduate Calendar:

<http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-amisconduct.shtml>

Accessibility

The University of Guelph is committed to creating a barrier-free environment. Providing services for students is a shared responsibility among students, faculty and administrators. This relationship is based on respect of individual rights, the dignity of the individual and the University community's shared commitment to an open and supportive learning environment. Students requiring service or accommodation, whether due to an identified, ongoing disability or a short-term disability should contact the Student Accessibilities Services (SAS) as soon as possible. For more information, contact SAS at 519-824-4120 ext. 56208 or email csd@uoguelph.ca or see the website: <http://www.uoguelph.ca/csd/>

Drop date

The last date to drop one-semester courses, without academic penalty, is the 40th day of classes. See the Undergraduate Calendar Schedule of Dates:

<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c03/index.shtml>

(If you are incapable of determining the date of the 40th day of classes, despite all this information, then you probably should not be taking this course.)

For regulations and procedures for Dropping Courses, see the Academic Calendar:

<http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-drop.shtml>

Recording of Materials

Presentations which are made in relation to course work, including lectures, cannot be recorded in any electronic media without the permission of the presenter, whether the instructor, a student, or guest lecturer. When recordings are permitted they are solely for the use of the authorized student and may not be reproduced, or transmitted to others, without the express written consent of the presenter.