

**University of Guelph**  
**Department of Mathematics and Statistics**  
**College of Physical and Engineering Science**

**STAT\*4600: Advanced Research Project in Statistics (1.0 credit)**  
**Course Outline for Fall 2016**

**Coordinator:** Gerarda Darlington  
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**Course description:** Each student in this course will undertake an individual research project in some area of statistics, under the supervision of a faculty member. A written report and a public presentation of the project will be required.

**Restrictions:** Approval of a supervisor and the course coordinator.

**Intended Students:** This course is intended for senior undergraduate students.

**Objectives:** The student will acquire a solid exposition of modern ideas in an area of statistics research. Along the way, the student will gain experience in research methods such as scientific writing and presentation delivery.

**Evaluation:**

Research Proposal: 20%. To be submitted to the instructor AND coordinator **by 4:00pm on Wednesday October 19**; no more than 5 pages, excluding appendices and references, font equivalent in size to Times New Roman 12 point. Use double line spacing, except for references and appendices which should be single-spaced. The student will describe the work that will be conducted. The student will also include a time-line for the remainder of the project, with tasks to be completed and deadlines.

Instructor mark: 15%. The student is expected to meet at least every 2 weeks with the instructor. This portion of the mark will be based on attendance at meetings, participation at meetings, and adherence to the time-line described above.

Final Written Project: 45%. To be submitted to the instructor AND coordinator **by 4:00pm on Wednesday December 7**. No more than 20 pages in length, excluding references and appendices, with font equivalent in size to Times New Roman 12 point and 1 inch margins all around. Use double line spacing, except for references and appendices which should be single-spaced. Computer code may be included at the discretion of the instructor as an appendix, single spaced, but does not figure in the page count.

Final Presentation: 20%. To be given at a date to be agreed with the coordinator during the second

week of the examination period (i.e. **week of Monday December 12**). The presentation should last 15-20 minutes, not including questions. Marks will be given for answering questions and asking questions of other students, if applicable.

**Note on Evaluation:** The supervisor and coordinator will grade the Research Proposal, Final Written Project, and Presentation.

Students are expected to know how to properly cite and reference academic sources, and to realize that inadequate citing of sources is a form of academic misconduct. The Learning Commons has very good resources on this subject, including some quizzes:

<http://www.academicintegrity.uoguelph.ca/>

<http://www.academicintegrity.uoguelph.ca/plagiarism>

**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

**E-mail Communication:** As per university regulations, all students are required to check their University of Guelph GryphMail account <uoguelph.ca> regularly: e-mail is the official route of communication between the University and its students.

**When You Cannot Meet a Course Requirement:** When you find yourself unable to meet an in-course requirement because of illness or compassionate reasons please advise the course instructor (or designated person, such as a teaching assistant) in writing, with your name, id#, and e-mail contact. The regulations and procedures for [Academic Consideration](#) are detailed in the Undergraduate Calendar.

**Drop Date:** The last date to drop one-semester Fall 2016 courses, without academic penalty, is Friday November 4. The regulations and procedures for [Dropping Courses](#) are available in the Undergraduate Calendar.

**Copies of Assignments:** Keep paper and/or other reliable back-up copies of all submitted work:

you may be asked to resubmit work at any time.

**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 Centre for Students with Disabilities as soon as possible.

For more information, contact [Student Accessibility Services](#) (SAS) at 519-824-4120 ext. 56208 or email [csd@uoguelph.ca](mailto:csd@uoguelph.ca)

**Resources:** The [Academic Calendars](#) are the sources of information about the University of Guelph's procedures, policies and regulations that apply to undergraduate, graduate and diploma programs.