

**University of Guelph**  
**Department of Mathematics and Statistics**  
**College of Physical and Engineering Science**  
**STAT\*6761: Survival Analysis (0.5 credit)**

**Winter 2017 Course Outline**

**Instructor:** Gerarda Darlington  
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**Office hours:** TBA

**Lectures:** Monday, Wednesday, and Friday at 9:30am to 10:20am in ROZH, Room 106

**Course description:** Kaplan-Meier estimation, life-table methods, the analysis of censored data, survival and hazard functions, a comparison of parametric and semi-parametric methods, longitudinal data analysis.

**Course materials:**

Textbook available online via [lib.uoguelph.ca](http://lib.uoguelph.ca):  
Techniques for Censored and Truncated Data, 2<sup>nd</sup> edition, by Klein and Moeschberger

**Course Objectives:**

By the end of the course you should:

- be able to identify scenarios requiring survival analysis techniques
- understand and be able to address censoring
- have facility with software for analyzing survival analysis data
- be able to interpret the results of survival analyses
- be able to prepare and deliver a scientific seminar
- be able to prepare a scientific report

**Marking Scheme and Test Dates:**

Assignments	30%	2 assignments. Due dates are: February 2 before 5:00pm; March 23 before 5:00pm
Midterm	30%	Wednesday February 15
Presentation	15%	Held in the final weeks of class; dates depend course enrolment
Project	25%	Due Thursday April 13 before 5:00pm

**NOTE:** You should have **NO** conflicts concerning these dates and times. If you do it is your responsibility to resolve them as soon as possible.

**Assignment/Project policy:** No late assignments or projects will be accepted.

**Midterm policy:** If you miss the midterm for a **documented** valid reason (e.g., medical illness) your seminar and presentation will be reweighted to make up for the missed midterm.

**Recording of Materials:**

Presentations that are made in relation to course work – including lectures – cannot be recorded or copied without the permission of the presenter, whether the instructor, a classmate or guest lecturer. Material recorded with permission is restricted to use for that course unless further permission is granted.

**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.

**Drop Date:** The last date to drop Winter 2017 courses, without academic penalty, is Friday March 10.

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

**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 Graduate Calendar

**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.