

# Statistical 1023A (Statistical Concepts) Fall 2017 Course Syllabus

## Calendar Description

An examination of statistical issues aiming towards statistical literacy and appropriate interpretation of statistical information. Common misconceptions will be targeted. Assessment of the validity and treatment of results in popular and scientific media. Conceptual consideration of study design, numerical and graphical data summaries, probability, sampling variability, confidence intervals and hypothesis tests.

Prerequisites:

questions will not be answered within the 24-hour period before the





## Additional comments on assessments

### Flexible grading

The No-Risk In-class Assessment, Low-Risk Midterm, and Final Exam have flexible weightings, dependent on your success for each component. Each assessment is initially worth a set amount of your final grade (see table on page 8). Eight (8) scenarios have been provided for how the weights of the In-class Assessments will be allocated. For each of the eight scenarios, there are also two options (A or B) for the weight of the Low-Risk Midterm and Final Exam. Your final course grade will automatically be calculated.

## Policy for missed Tests/Exams

If you are unable to meet a course requirement due to illness or other serious circumstances, you must provide valid medical or supporting documentation to the Academic Counselling Office of your home faculty as soon as possible. If you are a Science student, the Academic Counselling Office of the Faculty of Science is located in WSC 140, and can be contacted at scibmsac@uwo.ca.

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[http://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/accommodation\\_medical.pdf](http://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_medical.pdf)

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able to do so. They will assess your eligibility to write the Special Exam (the name given by the university to a makeup Final Exam).

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[http://www.registrar.uwo.ca/examinations/exam\\_schedule.html](http://www.registrar.uwo.ca/examinations/exam_schedule.html)

Specific Statistics1023 policy on accommodation In addition to providing documentation to your Academic Counselling office (as described above), please notify the instructor by OWL message to Z/v•šœµ š}œ Z}o [ ]uu ] š oÇ }( Ç}µœ • v }œ Æ %otiš }v(o] š• Á

During tests/exams, proctors will inspect all personal belongings on your desk (and even your baseball cap if you are wearing one). If any items are discovered that are not permitted (e.g. any electronic device other than a non-programmable calculator, or notes) they will be confiscated and the incident will be officially reported as an academic offence. Proctors have the discretion to search students between desks during the Tests or Exam periods.

## Support Services

Please contact the course instructor if you require lecture or printed material in an alternate format or if any other arrangements can make this course more accessible to you. You also wish to contact Services for Students with Disabilities (SSD) at 2011 ext. 82147 if you have questions regarding accommodation.

The policy on Accommodation for Students with Disabilities can be found here: [www.uwo.ca/univsec/pdf/academic\\_policies/appeals/accommodation\\_disabilities.pdf](http://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_disabilities.pdf)

The policy on Accommodation for Religious Holidays can be found here: [http://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/accommodation\\_religious.pdf](http://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_religious.pdf)

Learning skills counsellors at the Student Development Centre (<http://www.sdc.uwo.ca>) are ready to help you improve your learning skills. They offer presentations on strategies for improving time management, multiple-choice exam preparation/writing, textbook reading, and more. Individual support is offered throughout the Fall/Winter terms in the drop-in Learning Help Centre, and year-round through individual counselling.

Students who are in emotional/mental distress should refer to Mental Health@Western ([http://www.health.uwo.ca/mental\\_health](http://www.health.uwo.ca/mental_health)) for a complete list of options about how to obtain help.

Additional student-run support services are offered by the USOC: <http://westernusc.ca/services>

## Clicker Use in this Course

^ o ] l ] • CE \_ CE } Á • CE %o P } CE Z %o%o [ } %o v } v %o CE • } v o t ] & ] À ] laptop). In class, instructors can ask a variety of structured questions to which you may respond by pressing the appropriate button on your device. Individual responses are collected and summarized in a graph at the front of the room. If the instructor chooses, individual responses may also be saved for future analysis. In 1023, clickers will be used primarily to promote engagement and evaluate student understanding during class; no grades will be attached to participation with a clicker.

Clicker Responsibility We subscribe to and use clicker software produced by iClicker (<https://www.iclicker.com/>). A student choosing to use a clicker will be responsible for (a) bringing their own device to use as a clicker, and (b) setting up their iClicker account correctly (see information on OWL).

Clicker Academic Record Your clicker use w

Research Your clicker data will not be used for any non-academic or research purpose without your consent. For any research study in which you are invited to participate, you will be provided with a Letter of Information with an opportunity to give or withhold consent. Such research will not replace the usual end of term Course Evaluation given by the University.



