

COURSE OUTLINES (SYLLABI) FOR SS1024 A/B – Introduction to Statistics

1. General Course Information

Course Information

Course name– Introduction to Statistics

Course Number: SS1024A/B

Academic Term: Fall 2018

Lecture Hours Tue 8:30 AM-9:30 AM; Thu 8:30 AM-10:30 AM, SSC 2050;

Prerequisite Requirements

Grade 12U Mathematics or Mathematics 0110A/B or 1229A/B.

Anti-requisites

All other courses or half courses in Introductory Statistics, except Statistical Sciences 1023A/B and 2037A/B.

Unless you have either the requisites for this course or written special permission from your Dean to enroll in it, you may be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites.

2. Instructor Information

Instructor: Jiandong Ren
Office: WSC 219
Email: jren@stats.uwo.ca
Phone: 519-661-2111, Ext 88209
Office hours: Tue 2-4pm, Thu 1:00-2:00pm.

You are welcomed to communicate with your instructor by OWL Messages (use Instructor Role when sending), but communication should only be used to provide them with information or to ask administrative questions that require a brief response. For more lengthy discussions and for discussions on lectures/course material please see your instructor during scheduled office hours or by appointment. Students are also encouraged to use the online forums on OWL to discuss relevant questions.

3. Course Description/Syllabus

This course provides students with a basic understanding of:

- (1) the techniques used in exploring, organizing and describing data;
- (2) producing data through surveys and experiments;
- (3) general rules of probability;
- (4) statistical inference: including confidence interval construction and tests of hypotheses

4. Course Materials

Text Book(s)

Text Book: The Basic Practice of Statistics (7th ed.), Moore, Notz and Fligner. Publisher: Macmillan

Note: StatsPortal is not required but students may use it as supplemental course material.

Chapters 1 through 23 of the textbook will be covered.

Students should check **OWL** (<http://owl.uwo.ca>) on a regular basis for news and updates. This is the primary method by which information will be disseminated to all students in the class. Students are responsible for checking OWL on a regular basis.

5. Methods of Evaluation

Practice Questions: There will be suggested exercises from the textbook. Although these exercises are ungraded, they are essential to your learning. The solution for suggested textbook exercises will be posted on OWL.

Quizzes: There will be 6 in class quizzes, not announced in advance. The best 5 of 6 quizzes will count towards the final grade. A mark of zero will be recorded for any quizzes which are missed without legitimate reason. No makeups for the quizzes.

For those that do legitimately miss a quiz and provide the required supporting documentation to their home faculty, the standard practice will be that the weight of the missed quiz will be reassigned to the final exam. If your reason is not deemed valid, then you will receive a mark of zero.

Midterms or Tests

There will be one midterm from 4 to 6pm on February 16. Students should bring non-programmable calculators. All tables needed and some formulas will be provided. Students will be notified in class in advance of the midterm which formulas will be provided (note: you cannot use your cell phones as a calculator).

Final Exam

The date and time for the 3-hour final exam will be announced by the registrar's office, usually near the first part of November. Students are required to wait until the final exam schedule is posted before making arrangements for travel over the Christmas period. Exams will NOT be moved to accommodate students who ignore this requirement.

The Course Grade

The overall course grade will be calculated as listed below:

In-class quiz (the best 5 of 6 quizzes)	10%
Midterm Exam	30%
Final Exam	50%
Extra Exam Weight	10%

The extra exam weight will be applied to whichever of the midterm or final exam has the best mark. For example, if you score 90% on the midterm 80% on the final exam, the weights used will be 40% and 50% respectively.

Course Website Information

Western's learning management system [OWL](#) will be used. Please check this webpage regularly for lecture notes, exam materials and announcements. A copy of this course outline is also posted.

Computing and/or Calculator Requirement

Students should bring a non-programmable calculator to the term test and final exam. Calculators will be helpful for solving the practice questions and may be used in the in-class quizzes, but will not be required in class as long as you are able to do some simple arithmetic without one.

6. Accommodation and Accessibility

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.

For further information, please consult the university's medical illness policy at http://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_medical.pdf.

Missed Midterm or Test: A makeup exam will be available for students who (1) have direct conflicts with the timing of the midterm and (2) provide the required supporting documentation seven days before the midterm (by the end of February 9). If a student misses the midterm due to illness (or other legitimate reasons) and provides required supporting documents, then the weight of the midterm will be moved to the final exam. If a student misses the midterm test without an approved legitimate reason, then a mark of 0 will be given.

If you miss the Final Exam, please contact your faculty's Academic Counselling Office as soon as you are 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).

You may also be eligible to write the Special Exam if you are in a "Multiple Exam Situation" (see http://www.registrar.uwo.ca/examinations/exam_schedule.html).

7. Academic Policies

The website for Registrarial Services is <http://www.registrar.uwo.ca>.

7.1 UWO email account

In accordance with policy, <http://www.uwo.ca/its/identity/activatenonstudent.html>, the centrally administered e-mail account provided to students will be considered the individual's official university e-mail address. It is the responsibility of the account holder to ensure that e-mail received from the University at his/her official university address is attended to in a timely manner.

7.2 Scholastic offences

Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at this website: http://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf.

7.3 Attendance

Classroom attendance is viewed as an important part of the learning process. Students are advised that excessive absenteeism may result in the student being disbarred from the final exam (see Western Academic Calendar).

7.4 Classroom Environment

The Department has adopted a "Mutual Expectations" policy governing the classroom environment and all work submitted by students. The full text of the policy can be found at: http://www.stats.uwo.ca/mutual_expectations.pdf.

In summary, the policy was developed under the premise that all interactions between students and faculty should be governed by the principles of courtesy, respect and honesty.

8. 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 may also wish to contact Services for Students with Disabilities (SSD) at 661-2111 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

The policy on Accommodation for Religious Holidays can be found here:
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) for a complete list of options about how to obtain help.

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