

# Math 1160-002/003: Introduction to Statistics

Summer 2021 online, with Erin Moulding

## Important note

With the online format, there may be a few adjustments to make as we continue the course. You will get notice of any changes, and when possible I will take input on how things are working for you before making changes.

## Class information

Instructor email: mouldinge@douglascollege.ca

Class time: Tuesdays and Thursdays 12:30–2:20PM (section 002) or 2:30–4:20PM (section 003).

Office hours: Mondays 11AM–12PM drop-in, or by appointment.

Tutorials: Tuesday 9:30–10:20AM (T03) or 10:30–11:20AM (T04) or 11:30AM–12:20PM (T05).

Required textbook: *Essentials of Statistics* by Triola, 6th edition.

Required homework platform: MyLab, bundled with textbook.

Required technology: any device that can take photos or scan, a device to join Blackboard Collaborate Ultra (voice and video are ideal but not required).

Prerequisite: MATH 1105 with a C–, or approved equivalent.

## Course description

A pre-calculus introduction to descriptive statistics, measures of central tendency and variation, elementary probability, probability distributions, sampling, hypothesis testing, regression, and correlation.

## Evaluation

The evaluation of the course will be as follows:

In-class work	10%
Homework	5%
Quizzes	10%
Tutorials	10%
Term tests (3)	15% each
Final exam	20%

If your final exam grade is significantly better than your term grade, the final may be weighted more heavily.

**In-class work:** During class time you will work in small groups on assigned questions through MyLab. Each student will submit their own assignment but you will discuss and collaborate with your group. This will be graded on a combination of the correct answers, my assessment of your group participation and attendance, and peer assessment.

**Homework:** Your homework is assigned through MyLab for practice work. You are allowed unlimited attempts to get the questions right. They are due before each test, but should be done earlier.

**Quizzes:** Homework quizzes will be up to 20 minutes long and will happen at the start of class time on Tuesdays. They will consist of one or two written questions based on the homework and in-class work, generally from the previous week. Grading for each question will be on a 0-1-2 scale. Written work will be handed in via PDF.

**Tutorials:** The mandatory weekly tutorials will be held on Blackboard Collaborate Ultra. To access, click on Collaborate on the left menu in the tutorial section, and log in with your full name. Contact your lab facilitator (Priyanka or Riley) if you have issues. You will discuss the problems with a group of students and hand in individual work.

**Tests:** Term tests will be up to 2 hours long and will happen during class time on the dates scheduled. The final exam will be 3 hours long and is scheduled during the exam period. Tests will consist of some questions using MyLab or Blackboard and some written questions that are handed in via PDF.

Grades will be assigned as follows:

A+	95–100%	B+	80–84%	C+	65–69%	P	50–54%
A	90–94%	B	75–79%	C	60–64%	F	less than 50%
A–	85–89%	B–	70–74%	C–	55–59%		

The last day to drop this class with no transcript marking is Tuesday, May 25th, 2021. The last day to withdraw from this class and receive a W is Monday, July 12th, 2021.

## Policies and resources

### Policies

- Academic integrity: Academic dishonesty of any kind will not be tolerated, and will be dealt with according to College Policy.
- Missed quizzes: The lowest graded quiz will be dropped for each student. Quizzes cannot be made up otherwise.
- Missed tests: There are no rewrites or makeup tests. If you must miss a test, *notify your instructor **before** the test*. A missed test with acceptable reason and documentation will have the weight of the test transferred to the final.

### Resources

- My office hours: they are scheduled so that you can ask questions. If the times don't work for you, send me an email to make an appointment.
- The math lab: drop in and ask the math LFs question, via Zoom.
- The tutorials: ask your tutorial instructor questions while working through the material.
- The learning centre: book a tutoring appointment with a peer tutor online.
- Your classmates: form study groups, quiz each other, work on practice material.