

Introduction to Statistics - Math 105  
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**Resources:** Here is the URL to use to get to the material: <https://tinyurl.com/Math105Colgate>

In this Google drive, you will find guided lecture notes, Google Sheets pages that I use in class, and additional practice problems (with solutions).

**WebAssign:** We will be using the online homework tool WebAssign ([www.webassign.net](http://www.webassign.net)). To Login to WebAssign follow the following steps.

1. Connect to <http://www.webassign.net> and click **I have a class key**.
2. Enter: colgate 2818 0333
3. Create a WebAssign account if necessary and login to your WebAssign account
4. Pay for WebAssign. The cost is around \$25.

**Office Hours:** These will be Tuesdays and Thursdays, 9:30am to 10:30am. To request office hours:

1. Go to my appointments page <https://tinyurl.com/Math105OH> (those are letters at the end)
2. Select an available 15-minute slot (grey blocks labeled 105OH)
3. In the WHAT field (first field) put your first **and** last names (delete the pre-filled message)

Your appointment will appear on your Google calendar and/or you will get a calendar invite in your email. If you find that you cannot make a scheduled appointment, go to your Google calendar and change Yes to No or delete the event from your calendar (and The Google will find me and notify me).

**If your schedule does not allow you to make any of the scheduled office hour times**, please email me to set up an appointment.

**Computer/Calculator:** We will be using Google's spreadsheet program Sheets so that your computer's operating system is irrelevant. You will also need a computer to do the homework. The course will require calculation and hence a scientific – but not graphing – calculator is required (if you have a graphing calculator, you can use it). I will expect that you have a calculator to use in class as well as during exams. You may **not** use the one on your phone for quizzes and exams.

**Assignments:** The assignments are on the WebAssign webpage. The WebAssign system grades (and records) your homework, as well as lets you know whether you got a specific question correct or not. Most questions give you several attempt, so check how many attempts you get on each question.

Homework assignments are due the same day as the exam (before the exam starts) over which they cover. Hence, there is plenty of time to complete them. For that reason, late work is not accepted (except for a long absence as documented by your administrative dean).

Below are suggested due dates for the homework so that you stay on top of the material. You **should not wait until right before the exam** to do the homework; the official due dates are as they are to allow you flexibility (not to procrastinate). The homework will also prepare you for any pop quiz.

Date	Homework/Exam	Date	Homework/Exam
AUG. 30 (Wed)	HW 1.1	OCT. 2 (Mon)	HW 3.2
SEPT. 1 (Fri)	HW 1.2	OCT. 4 (Wed)	Spreadsheet 2
SEPT. 6 (Wed)	HW 2.1	OCT. 9 (Mon)	No class (Fall Break)
SEPT. 11 (Mon)	HW 2.2	OCT. 13 (Fri)	HW 4.1
SEPT. 13 (Wed)	Spreadsheet 1	OCT. 16 (Mon)	HW 4.2
<b>SEPT. 18 (Mon)</b>	<b>EXAM 1 (Units 1 and 2)</b>	OCT. 18 (Wed)	<b>NO CLASS</b>
SEPT. 27 (Wed)	HW 3.1	OCT. 20 (Fri)	<b>EXAM 2 (Units 3 and 4)</b>

Date	Homework/Exam
NOV. 3 (Fri)	HW 5.1
NOV. 6 (Mon)	HW 5.2
NOV. 7 (Wed)	Spreadsheet 3
NOV. 10 (Fri)	HW 6.1
NOV. 15 (Wed)	HW 6.2
<b>NOV. 17 (Fri)</b>	<b>EXAM 3</b> (Units 5 and 6)
NOV. 29 (Wed)	HW 7.1
DEC. 4 (Mon)	HW 7.2
<b>DEC. 6 (Wed)</b>	<b>EXAM 4</b> (Unit 7)
<b>DEC. 11 (Mon)</b>	<b>FINAL EXAM</b> (12:00pm to 2:00pm)

**Testing:** There will be four exams and a cumulative final. The exams will be held during our regularly scheduled class time. The dates are included in the table above for suggested homework due dates. The exams consist of computational and theoretical questions related to the material covered (including Google Sheets). The exams are strictly timed (50 minutes during regularly scheduled class time) Time **will be** a factor used to gauge the degree of mastery of material. **If you are allowed extra time for test-taking, email me in the first few weeks to get things set up.**

You may create and use a one page “cheat” sheet ( $8\frac{1}{2} \times 11$ ” in size, one side only) to use during each exam. You will be provided with formulas so these need not be on your sheet. The sheet must be turned in with your exam.

Each of Exams 1–4 consists of 10 questions. Five of the questions will be *basic*, three will be of *medium* difficulty, and two will be *demanding*. As a reference, the homework consists of both basic and medium difficulty questions. The practice exams will contain all three levels. Questions on the exams at the basic level may be over any material covered from the start of the class to the exam date. Each question will be graded out of 2 points according to the following standard:

Points Given	Description/Reason
0	No answer; wrong approach; factually incorrect statements
1	Correct answer but no explanation (if warranted); correct approach but errors beyond arithmetic; incomplete answer
2	Correct answer; correct approach and only <i>arithmetic</i> errors, which if corrected would give correct answer

The **cumulative** final exam is 25 multiple choice questions at the basic and medium levels.

**Pop Quizzes:** To help you stay on top of the material, there will be 7 pop quizzes, one for each unit. Each quiz consists of a basic question or two over the material covered in the unit to that point. The quizzes are short (about 5-10 minutes). I will set aside class time after a lecture to do the quiz. **There are absolutely no make-up quizzes, but I will drop your lowest quiz grade.**

**Accommodations:** If you are afforded accommodations for test-taking, email me in the first few weeks to get things set up. I will be using Colgate’s testing center and its associated Accommodate scheduling software. For quizzes done in class, I will allow enough time to accommodate extra time.

**Course Grading:** The grading scale is a straight scale (i.e., 90-100 are As, 80-89 are Bs, etc) broken down as follows: Assignments (15%), quizzes (10%), Midterms (15% each), and Final Exam (15%). The average GPA in my sections of statistics in recent years has been about 3.3. There **are** +’s and –’s for grades, e.g., 80.0-83.33 is a B–, 83.33-86.66 is a B, and 86.66 – 89.99 is a B+. The one exception is that there is no A+ grade in this class.