

Emmanuel College
Mathematics 200 – Statistics
Syllabus

Emmanuel College is Christ-centered, liberal arts institution which strives to prepare students to become Christ-like disciples who integrate faith, learning, and living for effective careers, scholarship, and service.

Instructor: Jason Colwell

Course Description

The heavens declare the glory of God; the skies proclaim the work of his hands. Day after day they pour forth speech; night after night they display knowledge. There is no speech or language where their voice is not heard. Their voice goes out into all the earth, their words to the ends of the world. Psalm 19:1—4

This course is designed to provide a working knowledge of statistics. Topics include distributions, descriptive statistics, regression, probability, and hypothesis testing.

This course is designed to help you achieve the following liberal arts core learning objectives.

- **Mathematical Reasoning**
 - **Apply basic algebraic and geometric skills to solving problems.**
 - **Interpret supporting information and data for a position/argument and recognize any errors.**
 - **Make a logical argument.**

Please be aware that you need to be prepared to be tested on these objectives when you take Senior Seminar and that the Liberal Arts Core Exit Exam currently counts as 15% of your Senior Seminar course grade.

Materials

The instructor's online notes are the main reference material for the course.

Attendance And Class Participation

Students are expected to be present for each class. Those who are habitually tardy to or absent from class will receive appropriate penalty for their non-participation. Tardiness will be marked as absence upon roll call (or closing of the door).

Class participation is compulsory. To be considered present for a class, the student must be ready to work at the board when called upon.

Cellular telephones and other communication devices are not permitted in class.

Homework

Each homework assignment is a writing assignment. It must be written neatly, with the problems done in the order they were assigned, and clearly marked. You must staple the assignment into a single packet to be graded. Your name (first and last), the number of the course, and the date assigned, must be written at the top of the front page. No credit will be given for illegible solutions.

Show your work; indicate the relationship between lines written. Your logic must be clear. No credit will be given for unsupported answers. If a classmate were to read one of your solutions, he or she should be able to understand what the problem was and how you solved it. In other words, your solution should be well-written and self-explanatory.

Keep in mind that, while you are encouraged to work with others on homework and when preparing for tests, the written work that you submit must be your own. In particular, you may not copy someone else's work or allow them to copy yours.

Late homework is not accepted.

Quizzes

Quizzes will be given during some classes. They are not scheduled and may be given without warning.

Tests

Two or more tests will be given during the semester to evaluate your progress in the course. These tests will be given during class time.

Final Examination

A final examination will be given in the course, covering all course material.

Notes, Calculator, And Examinations

No notes or calculator will be permitted on quizzes, tests, or the final examination. It is important that you remember concepts from the course, and that you learn to do simple calculations by hand.

Weights

The total score for the course is determined in the following way:

30%	Homework
20%	Quizzes
30%	Tests
20%	Final Examination

Absence

Student absences are recorded at the beginning of the class. Thus, tardiness is counted as absence.

If a student is absent from a class but has a valid excuse, and wishes to have the absence removed from his/her record, he/she must see the instructor in office hours and go over material missed. The student must contact the instructor before the absence if possible, and otherwise as soon after as possible.

After 2 unexcused absences, each further unexcused absence will incur a penalty of 1% deducted from the student's total score in the course. Special arrangements will be made for exceptional students with disabilities.

Grading

The Emmanuel College grading scale is the following:

range	grade	contribution to GPA
$93 \leq \text{score} \leq 100$	A	4
$90 \leq \text{score} < 93$	A-	3.75
$87 \leq \text{score} < 90$	B+	3.25
$83 \leq \text{score} < 87$	B	3
$80 \leq \text{score} < 83$	B-	2.75
$77 \leq \text{score} < 80$	C+	2.25
$73 \leq \text{score} < 77$	C	2
$70 \leq \text{score} < 73$	C-	1.75
$67 \leq \text{score} < 70$	D+	1.25
$63 \leq \text{score} < 67$	D	1
$60 \leq \text{score} < 63$	D-	0.75
$\text{score} < 60$	F	0
