

ECON 2110 – Economic Statistics
Fall 2025

Instructor Information:

Name: Dennis McCornac

Email: dm1231@georgetown.edu

Office Hours: Sunday and Tuesday, 2:15 p.m. to 3:15 p.m. I am also available by appointment and via Zoom conferencing. Please email me if you would like to meet via Zoom.

Office: 0D27

Teaching Assistant:

Name: Samreen Khan

Email: sk835@georgetown.edu

Office Hours: Available on Canvas

Office: OAS – 1G32

Course Description: This course provides a complete picture of statistical concepts and their applications to the real world. It includes data driven examples, exercises, and cases that demonstrate statistical applications that can be used by marketing managers, financial analysts, accountants, economists, operations managers, and others. It focuses on the applied nature of statistics and provides concepts that are essential to interpret the statistical results.

Course Outline: All information is available on the course outline and on Canvas.

<http://dcmccornac.com/AStat/StatisticsOutline.htm>

Course Learning Outcomes: At the end of the course, students should be able to summarize a database using descriptive statistics and informative graph representations. In addition, they should be familiar with the concepts of statistical population, sample, random variable, theoretical distribution, empirical distribution, sampling distribution, theoretical moment, empirical moment, estimator, linear regression, confidence interval, and hypothesis test.

Required Materials:

Keller, Gerald (2022): *Statistics for Management and Economics*, 12th edition.

Regarding computing, **EXCEL**, **STATA** and a **calculator** will be indispensable as the course develops. STATA is a comprehensive software appropriate for basic statistical analysis in this course.

STATA can be downloaded from the University website. Google search **Georgetown University – On The Hub** and follow the instructions for downloading.

Recitations:

Recitations are mandatory and constitute a great tool to support the learning process of students. They will be conducted by the Teaching Assistants and the Instructor will attend some of them.

Attendance is checked regularly and TAs will notify the instructor of outstanding contributions made by students. This information will be used to determine grades on the margin.

Course Requirements: Exams, Quizzes, Presentations, and Papers:

The course requirements are listed below:

1. **Problem Sets:** There will be a number of problem sets assigned. However, only the first one will be graded and will be worth ten (10) points. You are expected to complete all of the other problem sets, and you will be tested on this material. Working on problems is really the only way to learn the material in this course.
2. **Quizzes.** During the semester, there will be a total of three (3) quizzes, each worth five (5) points. The dates are on the course outline. The total point allocated to quizzes will be fifteen (15).
3. **Exams:** There will be two midterm exams worth fifty (50) points each on the date specified on the course outline. The final exam is worth sixty-five (65) points and will be cumulative. **Make-up exams will only be allowed for serious medical or personal problems, and documentation is required.**
4. **Class Participation:** Class Participation is worth 5 points. You are expected to attend and participate in all class meetings. Attendance will be taken and counted towards your class participation grade. Leaving in the middle of class will be counted as an absence.

Grading Scale

<u>Method of Evaluation</u>	<u>Points Possible</u>
One Graded Problem Set	10
Three (3) Quizzes, Each Worth Five (5) Points.	15
Exam 1	50
Exam 2	50
Class Participation and Attendance	10
<u>Final Exam</u>	<u>65</u>
Total	200

Class Policies:

1. **Electronics:** Cellphone use is prohibited during class. Laptop use during class is permissible for viewing course readings only. Surfing the internet, chatting, or working on other projects is prohibited. I reserve the right to alter this policy and ban laptop use entirely if conditions make it necessary.
2. You are expected to **NOT** leave and come back to class during the class period unless it is an emergency.

Grading Scheme:

Numerical grades will be converted to a letter grade according to the following scale:

Score	Grade
93-100	A
89-92	A-
86-88	B+
82-85	B
79-81	B-
75-78	C+
71-74	C
67-70	C-
63-66	D+
58-62	D
0-57	F

Honor Code: Every student has the responsibility to abide by the GUQ Honor System. Please review it at

<https://www.qatar.georgetown.edu/academics/academic-affairs/honor-system/honor-system-policies-procedures/>

Suspected infractions of the Honor System will be referred to the Honor Council.

If a student is found in violation, we reserve the right to award a failing grade on the assignment or the course, in addition to any sanction that the Honor Council and the Dean may apply.

Title IX & Non-Discrimination: As faculty at Georgetown University, we are committed to our responsibilities under Title IX, as well as the University's non-discrimination policies. For details of University policies, please refer to the following links:

<https://titleix.georgetown.edu/#>
<https://bulletin.georgetown.edu/regulations/antidiscrimination>