

AMAT108 ELEMENTARY STATISTICS SPRING 2024 SYLLABUS



Course Coordinator:

Dr Luciano Medina, PhD
lmedina2@albany.edu
Catskills 262

• Course Description

Frequency distributions, measures of central tendency and dispersion, probability and sampling, estimation, testing of hypotheses, linear regression and correlation. Not open for credit by students who have taken AMAT 308.

• Course Structure

Each lecture is eighty minutes long, meeting twice a week, and comprised of mathematical concepts, applications, and problems. There will be a total of three exams, two midterms and a final exam, given during the course of the semester all based closely on the lecture content, online homework, and a list of review problems. Additionally, there will be weekly in-class quizzes (No quizzes for LC sections).

• General Education

AMAT 108 does count for 3 credits of the General Education Requirement.

• Prerequisites

3 years of high school mathematics

• Learning Outcomes

This course will enable students to demonstrate:

- the ability to decipher, interpret and draw conclusions from formal or mathematical models such as formulas, graphs, and/or truth tables, and an understanding of the concepts used in such models
- the ability to formulate and/or represent problems in manners appropriate to mathematical, statistical, or logical analysis
- the ability to employ appropriate mathematical computations, statistical techniques, or logical methods to solve problems and/or draw conclusions from data
- the ability to evaluate results and recognize the limits of methods and/or models within the context of the discipline, as appropriate

- **Recommended Textbook**

“Introduction to Statistics & Data Analysis” 6th Edition by Peck, Short and Olsen

- **Homework and WebAssign**

There are a total of twelve assignments, all typically due on Friday 11:59pm, with, possibly, the exception of assignments due on an exam week. Please see the Lecture Schedule and their corresponding due dates on WebAssign. All homework assignments are assigned and graded through WebAssign. There are typically five submissions (or attempts) for each open ended question and for multiple choice questions the number of submissions is the number of choices minus one or two. It is recommended that the student view the number of attempts available for each question (as well as how many attempts were used) by clicking on the “Details” button next to the Question number.

- **Calculator Policy on Quizzes and Exams**

Students can ONLY USE A NON-GRAPHING CALCULATOR when taking the in-class quizzes and examinations. Graphing calculators, cell phones, mobile devices, etc. are NOT ALLOWED during quizzes* and exams. *No Quizzes for LC Sections.

- **Assessment Tools**

There are three assessment tools in course:

- Exams are comprehensive and test both understanding of course material, critical thinking, and problem solving skills.
- Quizzes* focus on concepts and are typically one question long and administered at the end of the last lecture of the week. *No Quizzes for LC Sections.
- The online homework are exercises used to reinforce and check understanding of course material.

• Course Schedule

Class No	Days	Times	Room	Instructor
1671	MW	01:10PM – 02:30PM	LC0023	Racquet, John
1672	TTH	03:00PM – 04:20PM	ES0140	Howell, Jason
1673	MW	01:10PM – 02:30PM	SS0116	Habib, John
1674	MW	11:40AM – 01:00PM	ES0140	Habib, John
1675	MW	03:00PM – 04:20PM	ES0140	Rosenburg, Douglas
1676	TTH	04:30PM – 05:50PM	ES0140	Beckhardt, Susan
1677	MW	04:30PM – 05:50PM	ES0140	Rosenburg, Douglas
2819	TTH	01:30PM – 02:50PM	ES0140	Medina, Luciano
3283	TTH	09:00AM – 10:20AM	ES0139	Lam, Tung

3467	TTH	10:30AM – 11:50AM	ES0144	Lamatina, James
3484	TTH	12:00PM – 01:20PM	ES0140	Lange, Christopher
3487	MW	03:00PM – 04:20PM	LC0001	Lamatina, James
3492	MW	11:40AM – 01:00PM	AS0014	Hall, Catherine
3603	MW	11:40AM – 01:00PM	HU0128	Lam, Tung
4121	TTH	09:00AM – 10:20AM	AS0014	Lange, Christopher
4172	TTH	12:00PM – 01:20PM	ES0144	Howell, Jason
7126	ONL	Informatics Only	ONL	Racquet, John
7556	MW	10:10AM – 11:30AM	HU0132	Lamatina, James
7821	ONL	ONLINE ASYNCH	ONL	Lenseth, Douglas

• Grade Calculation

Your course score will be determined as the following weighted average:

Item	Weight
Quizzes (11 Total – Drop Lowest Grade)	15%
Online Homework (12 Total – Drop Lowest Two Grades)	20%
Exam 1 [In-Class]	20%
Exam 2 [In-Class]	20%
Final Exam (Scheduled by the Registrar)	25%
Total	100%

For LC Sections only, the course score will be determined as the following:

Item	Weight
Online Homework (12 Total – Drop Lowest Two Grades)	20%
Exam 1 [In-Class]	25%
Exam 2 [In-Class]	25%
Final Exam (Scheduled by the Registrar)	30%
Total	100%

• Grade Calculation

We will convert this score to a letter grade beginning with these values as cutoffs:

Cutoff	Letter Grade
90	A
87	A-
83	B+
80	B
77	B-
74	C+
70	C
67	C-
64	D+
60	D
55	D-
below 50	E

Note: The quiz scores, the examination scores and the Final Grade for the course WILL NOT BE CURVED. If you want to obtain a certain grade for the course, then it is your responsibility to achieve that grade.

• Exam Policies

During exams, **no calculators**, no cell phones, iPads or other devices that can communicate with the internet or with others may be used. Any such equipment found with the power on may well be interpreted as “cheating”. The Department of Mathematics and Statistics reserves the right to impose the strongest academic sanctions for violations of Academic Integrity*.

**Academic Integrity:*

“Every student has the responsibility to become familiar with the standards of academic integrity at the University. Faculty members must specify in their syllabi information about academic integrity, and may refer students to this policy for more information. Nonetheless, student claims of ignorance, unintentional error, or personal or academic pressures cannot be excuses for violation of academic integrity. Students are responsible for familiarizing themselves with the standards and behaving accordingly, and UAlbany faculty are responsible for teaching, modeling and upholding them. Anything less undermines the worth and value of our intellectual work, and the reputation and credibility of the University at Albany degree.” (University’s Standards of Academic Integrity Policy, Fall 2013)

[Click here](#) for more information.

[Click here](#) for the University’s final exam policy and additional related information.

• Policy on missed in-class assignments, quizzes, or exams

It is University policy that an out-of- sequence exam can be administered only if there is prior authorization by the Mathematics and Statistics Department or due to a medical, religious, or family emergency reason. In all of these cases, you must provide written documentation to the Mathematics and Statistics Department in order to schedule a make-up exam within 2 days of the missed exam, or upon your first day returning to class if the documentation excuses a longer absence. **Make-ups will not be granted to students who do not notify the Mathematics and Statistics Department in a timely manner.** Students may be asked to seek additional approval.

[Click here](#) for the University’s Medical Excuse Policy.

► Event

In the case of a University sponsored event such as an athletic tournament, a play, or a musical performance, **please have your coach, conductor, or other faculty advisor contact your instructor** (*athletic practices and rehearsals do not fall into this category*).

► Travel

We cannot accommodate out-of- sequence exams, quizzes, and finals for reasons of convenience of travel, even if you have already purchased tickets.

Please note carefully the date of your exams and final and plan your travel schedule accordingly.

► Religious Observance

Based on New York State Education Law (Section 224-A), students are required to be excused, without penalty, because of religious beliefs, and will be provided equivalent opportunities for make-up examinations, study, or work requirements missed because of such absences. Faculty will work directly with students to accommodate religious observances. However, **students should notify the instructor of record by emailing them during the first two weeks of classes.**

• Disability Disclosure Statement

Reasonable accommodations will be provided for students with documented physical, sensory, systemic, medical, cognitive, learning and/or mental health (psychiatric) disabilities. If you believe you have a disability and require accommodation in this class, please register with Disability Access and Inclusion Student Services (DAISS). You can contact DAISS at daisse@albany.edu, 518-442 -5501 or www.albany.edu/disability. Once you have registered with DAISS, they will provide you with an accommodation letter that you can send to your instructors to receive your approved accommodation.

• Mental Health Resources

As a student, there may be times when personal stressors interfere with your academic performance and/or negatively impact your daily life. The University at Albany Counseling and Psychological Services (CAPS) provides free, confidential services including individual and group psychological counseling and evaluation for emotional, social and academic concerns. Students may consult with CAPS staff remotely by telephone, email or Zoom appointments regarding issues that impact them or someone they care about.

- For questions or to make an appointment, call (518) 442-5800 or email consultation@albany.edu. Visit www.albany.edu/caps for hours and additional information.
- If your life or someone else's life is in danger, please call 911. If you are in a crisis and need help right away, please call the National Suicide Prevention Lifeline at 988.
- Students dealing with heightened feelings of sadness or hopelessness, increased anxiety, or thoughts of suicide may also text "HOME" to 741741 (Crisis Text Line).
<https://988lifeline.org/?scrlybrkr=4617837b>
<https://www.albany.edu/health-well-being/emergencies>