

STA 2023 – 11H – 3 credits – Summer 2025
Honors Introductory Statistics



Instructor: Dr. Warren McGovern
Office: HC 101
Phone: 561-331-**** (don't use –instead email me)
Meetings: Tuesdays / Thursdays 9:15am-12:00pm
Office Hours: By appointment: and via zoom hours TBD
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COURSE MEETINGS: MIXED ONLINE LIVE LECTURE

COURSE DESCRIPTION: An introductory course covering descriptive statistics, probability, binomial and normal distributions, sampling distributions and hypothesis tests, and sampling procedures. Laboratory required. This is a General Education course.

PREREQUISITES: MAT 1033 or MAC 1105 or MGF 1106 or MAC 2233

GOALS. Some specific goals of the course are for you to:

- think critically (always a goal in mathematics classes);
- communicate effectively, especially by writing precisely about technical things;
- use technological tools such as Excel and internet statistics calculators and in an appropriate manner;
- improve logical thinking and problem-solving skills.

TEXT: *Introduction to Probability and Statistics, 15th Edition* Mendenhall, et al., by Cengage.

You will be required to purchase a semester access to the e-book and Webassign. You can buy this through the campus bookstore or you can buy it directly from Cengage.

Here is the link to a Cengage video that will help you get registered:

- **Student Video: How to Register for WebAssign**
https://startstrong.cengage.com/webassign-not-integrated-ia-no/?utm_medium=email&utm_source=webassignemail&utm_campaign=webassignplatform_12345&utm_content=new_course

Here is the link to purchase the book directly from Cengage. Make sure to select Digital Platform. Should list as \$107.00

<https://www.cengage.com/c/introduction-to-probability-and-statistics-15e-mendenhall/9781337699228/?searchisbn=9781337699228>

If you want to buy it through the FAU bookstore purchase only the required textbook and webassign access. Here is a link to the book at the FAU bookstore. Should list as \$103.00.

WebAssign for Mendenhall/Beaver/Beaver's Introduction to Probability and Statistics, 15th Edition

Here is a link to the book at the FAU bookstore.

<https://www.bkstr.com/faustore/course-materials-results?shopBy=course&divisionDisplayName=&departmentDisplayName=STA&courseDisplayName=2023§ionDisplayName=11H&programId=4649&termId=100088646>

ATTENDANCE.

You are responsible for all material covered in the video lectures, which you can find in canvas. In a mixed-remote learning environment, attendance is not an issue. The plan is to meet with the class in zoom on Tuesdays and Thursdays for the first hour or so. Then the remaining time during the week will be used for oral quizzes (see below). I have created the lecture videos with the Webassign HW in mind. I have uploaded them to Youtube and have posted the links in Assignments > WebAssign (separately for each chapter).

Each of you will be asked to participate in oral quizzes; I will be quizzing you on material that we have covered in previous HW, projects, and quizzes.

HOMEWORK. Please read the sections in the book and watch the videos for each chapter. Then complete the assigned **WebAssign** homework before the due date. **WebAssign** will be used to submit homework. Homework should be submitted by the posted deadline to get credit. My default setting is that you will get 4 attempts on each HW, and your best score on each problem will be counted. Each HW problem has been assigned a value. **Webassign** does give partial credit. Your final grade in HW will be to take the total number of points earned divided by the total number of points assigned.

Please come to office hours or visit the math tutors if you have additional questions about the homework.

QUIZZES AND (NO) MAKEUP POLICY. There will be several quizzes assigned to help ensure that you stay on top of the material. These will be either designated a Canvas Quiz, a Thursday Quiz, or an Oral Quiz. The point of each quiz is to test your understanding of the material. You may use your notes, excel, and calculators to take the quizzes. But you are not allowed to work with others for either type of quiz. You should definitely NOT work together on the quizzes. This also means that you should not be finding the solution online without doing the work. There will be a deadline for the quizzes. You will only be allowed to try the quiz one time. Be sure to allot yourself enough time to complete the canvas quiz in one sitting.

LATE POLICY. If you submit a project or a canvas quiz to canvas after the deadline, then you will receive at most 50% of your earned points. (I might choose to award 75% for those assignments turned in within an hour of the deadline. If I choose to do this, then I will be consistent and treat everyone similarly.) Quizzes taken after the regularly scheduled time will be graded and you will receive 50% of your earned points. If you have a valid excuse (e.g. illness, school function) for taking an in-person quiz after the regularly scheduled time, I will award the full amount of earned points. Though, except in extreme circumstances, the expectation is that you take care of missed quizzes as soon as possible. Once the assignment is closed you will no longer be able to earn points.

WEBASSIGN MAKEUP POLICY. If a student does not complete a webassign assignment by the deadline, then they have the opportunity to earn 60% of the missing points. You should redo the whole corresponding assignment called **Chapter x – Makeup**, each of these has a deadline date of August 6th. If the difference between the number of points earned on the makeup and the number of points earned on the original is positive, then the student will earn 60% of this number. (Else, no additional points will be earned.) This means you should redo the whole assignment. For example, if you earned 45 out of 70 points on time, then you have the option to redo the whole assignment and (hopefully) get 70 points in order to earn 60% of 25=70-45 points. (You will have already earned 45 points.)

ORAL QUIZZES. On Tuesdays and Thursdays, I will be selecting a handful of students to stay after the lecture has been completed. I will be asking quiz-like questions to test your understanding of the material. This is part of my evaluation of you as a student. The plan is to have the oral quiz done individually. You should expect to have your audio and video on. You might be asked to share your screen so that you can explain things to me.

Check Canvas > Announcements > Oral Quizzes for the schedule. You will be asked in to submit a 3 digit alpha-numeric code.

PROJECTS. The goal of the projects is to give you assignments that involve the use of excel or google worksheets, and help you understand the statistical concepts. (Let me know if you have use a different worksheet program.) You will be asked to do some recordings of yourself and upload them to canvas.

WORKLOAD AND ASSISTANCE. Since this is an accelerated class you should expect to spend **10 to 12 hours each week**, outside of class, on the course material. This includes watching the course videos, reading the textbook, completing projects, and completing the homework. Please ask questions and seek assistance as needed. I encourage you to make use of my (zoom) office hours. Please reach out to me and I can meet you at a mutually agreed upon time. The videos themselves should take about 2 hours.

GRADING. I keep the official gradebook; Canvas is not the official gradebook. But please use the canvas scores as a guide. They should be close, but I add things into canvas every so often for your benefit that are not officially grades.

25%	Homework -- WebAssign
20%	Oral Quizzes
20%	Quizzes -- Canvas
23%	Quizzes – Thursdays
12%	Projects

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
93-100	90-92.99	87-89.99	83-86.99	80-82.99	77-79.999	73-76.9	70-72.99	67-69.99	63-66.99	60-62.99	<60

Other Important Dates

Independence Day	FAU Closed
Last Day to Drop W	July 27
Classes End	August 1
Grades Due	August 6 (9:00am)

FREE MATH TUTORING

The MLC provides the following FREE tutoring for all FAU students in their math courses:

- **ONLINE:** Please see <https://www.fau.edu/mlc/remote/> for available days/times and links to online tutoring. All tutoring is drop-in (no appointments are needed) and is available via Zoom.

<u>Tutor</u>	<u>Location</u>	<u>Day</u>	<u>Hours</u>	<u>Course(s)</u>
Fagunleka, Francis	online	Monday	5-8pm	STA2023
	online	Tuesday	7-9pm	STA2023
	online	Wednesday	10am-1pm	STA2023
	online	Thursday	3-6pm	STA2023
	online	Sunday	6-9pm	STA2023

Check Canvas > Files > How to Attend for directions on how to attend Online Tutoring at MLC.

- **IN PERSON:**
 - Drop-in tutoring in the MLC GS211 during all hours of operation
 - Monday – Thursday: 10am – 5pm
 - Friday: 10am – 4pm
 - Small group tutoring by appointment
 - Appointments can be made in TutorTrac by going to <https://tutoring.fau.edu/>. Login with your FAU ID and password and click on ‘Search for Availabilities.’ For Center, choose ‘Math Learning Center.’ (or ‘SAM Lab’ for Methods of Calculus). Choose your section (class) and click ‘Search.’ Choose your time and then click ‘Save.’
 - Each session is 50 mins in length, maximum three students.
 - Students may make a MAXIMUM of TWO appointments per week for any course they are currently enrolled in (based on availability).
 - Cancellation policy: You can cancel your appointment no less than two hours prior to the appointment by logging into TutorTrac (<https://tutoring.fau.edu/>) and clicking the “X” next to your appointment on your home screen. Missing an appointment without cancelling is called a no-show. If you accumulate 2 no-shows during the semester, all appointment privileges will be suspended and you will only be able to use the drop-in or online tutoring for the remainder of the semester.

Please email mlc@fau.edu should you need further information or have questions.

Policy on Accommodations

In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS) and follow all SAS procedures. SAS has offices across three of FAU’s campuses -- Boca Raton, SU 131 (561-297-3880); in Davie, LA 131 (954-236-1222); in Jupiter and all Northern Campuses, SR 111F (561-799-8585). Disability services are available for students on all campuses. For more information, please visit SAS website at www.fau.edu/sas/.

Counseling and Psychological Services (CAPS) Center

Life as a university student can be challenging physically, mentally and emotionally. Students who find stress negatively affecting their ability to achieve academic or personal goals may wish to consider utilizing FAU's Counseling and Psychological Services (CAPS) Center. CAPS provides FAU students a range of services – individual counseling, support meetings, and psychiatric services, to name a few – offered to help improve and maintain emotional well-being. For more information, go to <http://www.fau.edu/counseling/>

Academic Integrity Policy

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see [University Regulation 4.001](#).

Collaboration and the Honor Code

I expect you to abide by the Honors College Academic Honor Code. It is available at <http://www.fau.edu/honors/academics/honor-code.php>. You are allowed to collaborate on all HWs and projects. You are asked not to collaborate on quizzes.

Plagiarism

Plagiarism is the deliberate use and appropriation of another's work without identifying the source and trying to pass off such work as one's own. Any student who fails to give full credit for ideas or materials taken from another has plagiarized. This includes all discussion board posts, journal entries, wikis, and other written and oral presentation assignments. Plagiarism is unacceptable in the University community. Academic work must be an original work of your own thought, research, or self-expression. When students borrow ideas, wording, or organization from another source, they must acknowledge that fact in an appropriate manner. If in doubt, cite your source.

Classroom Etiquette Policy

In order to enhance and maintain a productive atmosphere for education, personal communication devices, such as cellular telephones and pagers, are to be disabled in class sessions. Please act responsibly during a zoom meeting.

Policy on the Recording of Lectures

Because of a Florida Statute in 2021, the following model language is suggested for inclusion in course syllabi, at the discretion of individual faculty: Students enrolled in this course may record video or audio of class lectures for their own personal educational use. A class lecture is defined as a formal or methodical oral presentation as part of a university course intended to present information or teach students about a particular subject. Recording class activities other than class lectures, including but not limited to student presentations (whether individually or as part of a group), class discussion (except when incidental to and incorporated within a class lecture), labs, clinical presentations such as patient history, academic exercises involving student participation, test or examination administrations, field trips, and private conversations between students in the class or between a student and the lecturer, is prohibited. Recordings may not be used as a substitute for class participation or class attendance and may not be published or shared without the written consent of the faculty member. Failure to adhere to these requirements may constitute a violation of the University's Student Code of Conduct and/or the Code of Academic Integrity. Recorded lectures used for other purposes may allow the faculty member to seek "damages plus court costs and reasonable attorney fees, with the total recovery not to exceed \$200,000."

Disclaimer #1

Students are encouraged to employ critical thinking and to rely on data and verifiable sources to interrogate all assigned readings and subject matter in this course as a way of determining whether they agree with their classmates and/or their instructor. No lesson is intended to espouse, promote, advance, inculcate, or compel a particular feeling, perception, viewpoint or belief.

Disclaimer #2

The instructor reserves the right to change/alter/add/delete any statement from this syllabus in hopes of creating a more enjoyable/equitable course.