

MAC 2312 – 12H – 4 credits  
**Honors Calculus – Analytic Geometry 2**



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**COURSE MEETINGS:** IN-PERSON

**COURSE DESCRIPTION:** Continuation of MAC 2311. Logarithmic, Exponential, hyperbolic, and inverse trigonometric functions, techniques of integration, partial fractions, area, trapezoid and Simpson's rules, volume, work; analytic geometry; Taylor approximations; sequences and series; polar representation of complex numbers. This is a General Education course.

**PREREQUISITES:** MAC 2311

**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;
- improve logical thinking and problem-solving skills.
- learn how view three dimensional objects.

**TEXT:** *Calculus, 11th Edition* Larson and Edwards, 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. If you are taking CHM 2045 this semester you should upgrade to the Cengage Unlimited which will cover both courses. Here is the link to buy it directly from Cengage. are two options. One is to buy Cengage unlimited. If you are taking CHM 2045 concurrently then this is your best option. If you only need Cengage for this class then you should be able to order the materials for \$100.00, select Digital Platform.

<https://www.cengage.com/c/calculus-11e-larson/9781337879644/>

(Use Digital Platform for the \$100 option.)

## **WebAssign for Larson and Edwards' Calculus, 11th Edition**

Here is a link to the book at the FAU bookstore. Should list as \$119.99.

<https://fau.follettdiscover.com/courses/MAC.2312/terms/202108/sections/MAC.2312.12H.202108/division/DFLT/materials/9780357700006/details>

**ATTENDANCE.** You are responsible for all material covered in the lectures. Given the current state of affairs, I will not take attendance but I urge you to attend as often as possible. I, more importantly, urge you to cover your faces with mask.

**GRADEBOOK.** Canvas is NOT the official gradebook; I keep the gradebook. Use the point totals in canvas as a guide to your grade. See below for Grading.

**HOMEWORK.** Please read the sections in the book, and then complete the assigned **WebAssign** homework prior to the due date. **WebAssign** will be used to submit homework. Homework should be submitted by the posted deadline to get full credit. My default setting is that you will get 5 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. (For the purposed of calculations, a **WebAssign** assignment that has “—Makeup” will not count towards the total points earned nor assigned.)

**PORTFOLIO.** Attached to each chapter.section in the book will be a Canvas Assignment titled Portfolio Chapter X. As you do problems from the text you should scan your work and save as a .pdf. Then you should upload the work to canvas into that section's portfolio. You should do at least 5 problems from each section. Please do not include problems that are done in class nor in CalcChat.com. This means do the even ones for the portfolio. Also, do not count the True/False questions though these are absolutely worth doing.

**QUIZZES.** There will be several canvas quizzes as well as in-class quizzes aimed at checking your daily and weekly progress. These are used to help ensure that you stay on top of the material. The point of the quiz is to give you practice in answering questions. You may use your notes and calculators to take the quizzes. But you are not allowed to work with others (either in the class or not in the class). You should definitely NOT work together on the quizzes. 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 quiz in one sitting. There will also be quizzes given out in class. These will usually be short and only consist of a few problems. If I happen to collect a HW in class, the points will count towards in-class quizzes (but consider it a HW).

**TESTS AND MAKEUP POLICY.** We will have two (2) tests and a comprehensive final exam. If you are not able to take an exam, I and only I, will approve a makeup exam. There should be a good reason for you not taking an exam at its scheduled time. I also reserve the right to individually come up with a different plan versus providing a makeup exam.

**CALCULATORS.** You will not be allowed to use a calculator on in-person quizzes or exams. Feel free to use any calculator for all HWs and Canvas quizzes.

**MAKEUP POLICY.** If I decide to grant a makeup for a **WebAssign** assignment, the student should know that they will receive 50% credit for problems they complete (that had not been completed). I will only give credit on a problem based on the difference between the original number of points earned and the number of points earned on the makeup. In practice, this means if in the original assignment a problem was worth 6 points and a student earned 3 points by the deadline, and then in the makeup earned 5 points, the student will only receive makeup credit for 2 points. In other words, you should do the whole problem over again. If a student turns in a Canvas quiz after the deadline, they will receive 50% credit for the quiz.

**POLICY ON INCOMPLETES.** I am really striving towards not giving any incompletes. Incomplete grades will be assigned only in the case of a documented emergency or illness.

**GRADING.**

Your final grade will be the best of the following two schemes. I reserve the right to solely grade a particular student using exactly one of the grading schemes. Please see Academic Integrity and remember the Honor Code.

**Scheme I.**

50%	Homework -- <b>WebAssign</b>
22%	Exams -- two
10%	Portfolio
6%	Final Exam
6%	Quizzes – In Class
6%	Quizzes -- Canvas

**Scheme II.**

25%	Homework -- <b>WebAssign</b>
50%	Exams -- two
2%	Portfolio
9%	Final Exam
8%	Quizzes – In Class
6%	Quizzes -- Canvas

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
93-100	90-92	87-89	83-86	80-82	77-79	73-76	70-72	67-69	63-66	60-62	0 – 59

**FREE MATH TUTORING**

The Jupiter campus and the Honors College sponsor in-person tutoring.  
<https://www.fau.edu/honors/current-students/jupiter-campus-tutoring/>

Also, the MLC (Math Learning Center) provides the following FREE tutoring for all FAU students in their math courses:

- **ONLINE:** Please see <http://www.math.fau.edu/mlc/remoted/index.php> for available days/times and links to online tutoring. All tutoring is drop-in (no appointments are needed) and is available through Zoom.
- **IN PERSON:** In person tutoring availability <http://www.math.fau.edu/mlc/>.

Please email [mlc@fau.edu](mailto: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/](http://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/>*

**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; this includes **WebAssign**, portfolio, and HWs to be turned in. You are asked not collaborate on exams and quizzes.

### **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](#).

### **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.

### **COVID-19 Statement**

*All students in face-to-face classes are recommended to wear face coverings during class and at other times while indoors. Taking these measures supports the safety and protection of the FAU community. Students experiencing flu-like symptoms (fever, cough, shortness of breath), or students who have come in contact with an infected person should immediately contact FAU Student Health Services(561)297-3512.*

**I am personally asking you wear a mask in class. I understand that you may choose not to. If you decide to approach me before/during/after class, do so with social distancing in mind.**

### **Policy on the Recording of Lectures**

Because of a new 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."