

# MAC2311-013 Calculus-Analytic Geometry 1 (Fall 2018)

Tuesday & Thursday at 4 - 5:50am, room: PS 113

Instructor: Shi Bai

Office: SE 230

Email: sbai@fau.edu

Course website:

[http://cosweb1.fau.edu/~sbai/teaching/2018/mac2311\\_fall2018/index.html](http://cosweb1.fau.edu/~sbai/teaching/2018/mac2311_fall2018/index.html)

## 1. COURSE INFORMATION

**Textbook:** Stewart, *Calculus: Early Transcendentals*, 8th ed. with Webassign access code

Available for purchase at the FAU bookstore, or here:

<http://www.cengagebrain.com/course/2921273>

...where you can purchase an access code (which comes with an e-book), or if you prefer a physical manifestation of the book you can get a looseleaf book plus access code. The access code is good for all three semesters of Calculus.

**Course content:** We will cover topics from the following chapters: Ch. 2: Limits and Derivatives. Ch. 3: Differentiation Rules. Ch. 4: Applications of Differentiation. Ch. 5: Integrals

### Grade Distribution:

Pre-worksheets	3%	end of class
Quizzes	10%	10 quizzes
Group work (in class)	10%	begin of next class
Homework	10%	Webassign (online)
Midterm Exams	14% + 14% + 14%	in class
Final Exam	25%	

### Course grading scale:

$\geq 92.00$	A	73.00 - 76.99	C+
88.00 - 91.99	A-	64.00 - 72.99	C
85.00 - 87.99	B+	50.00 - 63.99	D
80.00 - 84.99	B	$\leq 49.99$	F
77.00 - 79.99	B-		

**Learning Assistant (LA) Program:** This semester we will incorporate the LA Program. LAs are fellow undergraduate students who have been successful in Calculus 1 and will help lead group work during each lecture period. LAs will also assist students during Math Learning Center (MLC) hours.

**LAs for this class:** The LAs assigned for this session are:

Davidson Dore, Email: [ddore2016@fau.edu](mailto:ddore2016@fau.edu)

MLC Hours: Monday 1-3pm, Tuesday 6-7pm, Thursday 1-3pm.

Juan Rios, Email: [jrios2017@fau.edu](mailto:jrios2017@fau.edu)

MLC Hours: Tuesday 10-12am, Thursday: 11-12am.

## 2. EVALUATION

**Pre-worksheets:** Each class period, you will be given a pre-worksheet that is to be completed and turned in at the END of the next class period (you may use it during class and group work). The pre-worksheets review prerequisite material as well as items in the text related to the upcoming lecture.

**Quizzes:** There will be one short quiz on the weeks when there is not an exam. The LAs **will know** which book exercises to practice for each quiz and they can help you work through those during LA hours. **Points forward on quizzes:** 20% extra point on a quiz to student who visits LA hours and works through at least one of the practice quiz problems while at LA hours. So make sure you visit the LA hours.

**Group Work (in class):** Each lesson (one hour and 50 minutes) consists of approximately 45 minutes of lecture followed by group work where the students will work in small groups to complete worksheets related to the lecture. The group work will be graded both for participation (requiring that the student is present for the entire class) as well as correctness. The completed worksheets are turned in at the BEGINNING of the following class.

**Homework:** Online homework will be assigned using Webassign.

**Exams:** No books, notes, or calculators are allowed during the exams.

- Midterm Exam 1: **Thursday, Sep. 13.**
- Midterm Exam 2: **Thursday, Oct. 11.**
- Midterm Exam 3: **Thursday, Nov. 8.**

If the lowest exam grade is one of the midterms, your final exam score will replace the lowest midterm score. In this case, the final exam will be worth 39% in your final grade. If this happens, your maximum possible grade is C.

- Final Exam: **Sunday, Dec 9, 2018. From 4:00 pm to 6:30 pm. Venue: SO 250.**

There will be a coordinated common final exam. The exam will be created collectively by all instructors teaching the various sections of Calculus.

**LA hours at the MLC and points back:** After each group worksheet, students will have the opportunity to raise their grade by up to 50 percentage points by attending LA sessions in the MLC. Students will have one week after the graded worksheet is returned. Students must come prepared with questions on the problems that they missed and work with the LA until the student fully understands ALL the material that was missed. Students will not receive points simply for showing up. Once the LA is convinced that the student understands all of the missed work, they will inform the instructor who will then raise the grade: a score initially at or above 50% would become 100% and a score below 50% would be increased by 50%. If you arrive to the LA hours with less than 20 minutes remaining, you will be asked to attend another session where there is time to sufficiently review your work.

**Free Math tutoring for FAU students:** The MLC provides the following FREE academic support services for FAU students: <http://www.math.fau.edu/mlc/>

1. Drop-in tutoring in the MLC GS211 during all hours of operation
  - a. Monday - Thursday: 9am - 6pm, Friday: 9am - 4pm, and Sunday: 1pm - 5pm
2. Small group tutoring by appointment
  - a. Appointments can be made in TutorTrac. If you need instructions on making appointments, please email [mlc@fau.edu](mailto:mlc@fau.edu) or see the Associate Director in GS211E

## 3. COURSE POLICIES

**Make-up exams and quizzes:** There will be no make-up exams except in the case of an excused absence (documentation is required). You must inform me at least one week in advance if possible about any absence requiring a make-up exam. A missed quiz will result in a score of 0, with no possible make-up. The only exception is any quiz missed due to a university-excused absence; such quizzes may be made up.

**Incomplete grades:** A grade of I (incomplete) will only be given under certain conditions and in accordance with the academic policies and regulations put forward in FAU's University Catalog. A request for an incomplete grade has to be made in writing with supporting documentation, where appropriate.

**Classroom etiquette policy:** University policy on the use of electronic devices states: "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.*"

**Attendance:** Regular attendance at the lectures and the labs is expected. It is the student's responsibility to know what is going on in class. To minimize disruption to the learning environment, you are requested to arrive on time and not leave until the end of class. If you do arrive to class late, please come in as quietly as possible. If you know you must leave early to keep an appointment, please let me know at the start of class.

**Disability policy statement:** In compliance with the Americans with Disabilities Act (ADA), students who require special accommodation due to a disability to properly execute coursework must register with the Office for Students with Disabilities (SAS) in Boca Raton, SU133 (561-297-3880) and follow SAS procedures.

**Academic integrity:** Students are responsible for informing themselves about FAU's Code of Academic Integrity as stated in the student handbook. Scholastic dishonesty includes, but is not limited to, plagiarism and copying others' work during an exam. Any exam or written assignment for which you are caught cheating will be marked as a zero grade, and the incident will be reported in accordance with the Code of Academic Integrity.

**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/>.