

## MATH 2201-01 – HONORS CALCULUS III

DANIEL IRVING BERNSTEIN

**Instructor:** Daniel Irving Bernstein (pronouns: he or they)

**Instructor email:** dbernstein1@tulane.edu

**Days and times of the lectures:** MWF, 1:00pm-1:50pm

**Place of the lectures:** Gibson 126 A

**Instructor's office:** Gibson 401 A

**Instructor's office hours:** Wednesday 10:30am-12:30pm, and by appointment

**Recitation instructor:** Joshua O. Agbomola (jagbomola@tulane.edu)

**Day and time of recitation:** Thursdays, 9:30am-10:45am

**Place of recitation:** Gibson 126

### INSTRUCTOR DEI STATEMENT

Mathematics culture, and STEM culture more generally, has many problematic aspects. Various kinds of systemic exclusion and abuse along racist, sexist, LGBTQ-phobic, ablest, classist, and other lines, are perpetuated both intentionally and unintentionally. Many of us in various STEM communities are working to change this, but we all have blind spots and bad habits, myself included. If there's anything I can do to more effectively welcome you into my classroom, or if I do something that inhibits your ability to fully participate, I want to know. You are welcome to share concerns with me at any time, and I will solicit anonymous feedback from the class at least once during the semester.

### ACCOMMODATIONS FOR STUDENT NEEDS

I will make every reasonable effort to accommodate your needs including, but not limited to, religious observances, disabilities, and health (physical and mental). If you require accommodations of any kind, including deadline extensions, please let me know as soon as you are aware. For disability accommodations, I may ask you to register with the Goldman Center for Student Accessibility (URL below).

### TEXTBOOK

The textbook for the course is Marsden and Weinstein's *Calculus III*. You can access the textbook for free online at the following link:

<https://www.cds.caltech.edu/~marsden/volume/Calculus/>

### SOFTWARE

You might find GeoGebra, a 3D graphing program, helpful for visualizing things. It can be accessed at the following link:

<https://www.geogebra.org/>

### WEBSITE

The course website will be the Tulane Canvas website. The website will contain grades, homework assignments, and other relevant information about the course. Important announcements about the course may be posted on the website.

### COURSE DESCRIPTION

This is a first course on multivariable calculus. We will cover Chapters 1-6 in the textbook. As this is an honors course, topics beyond the usual curriculum will be introduced according to student interest.

### HOMEWORK

Homework assignments are the most important part of this course. They will be due about once a week. They will be posted and collected on canvas. A random selection of problems will be graded from each assignment.

### EXAM DATES

This course will have two midterms and one final exam. Dates of the midterms will be determined during the semester based on how quickly we get through material and communicated at least a week in advance. The final exam will be Sunday, May 7 8:00am-11:00am.

### GRADE

After each midterm, you will have an opportunity to submit corrections to your exam for half-credit. Your final numerical grade will be 25% homework, and 25% each exam. Your final numerical grade will be computed according to the following

- A= (90%, 100%]
- B= (80%, 90%]
- C= (70%, 80%]
- D= (60%, 70%]
- F= [0%, 60%].

At the end of the course these may be adjusted, but only in your favor.

## **ADA/Accessibility Statement**

Tulane University is committed to offering classes that are accessible. If you anticipate or encounter disability-related barriers in a course, please contact the Goldman Center for Student Accessibility to establish reasonable accommodations. If approved by Goldman, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. I will never ask for medical documentation from you to support potential accommodation needs. **Goldman Center contact information:** Email: [goldman@tulane.edu](mailto:goldman@tulane.edu); Phone (504) 862-8433; Website: [accessibility.tulane.edu](http://accessibility.tulane.edu)

## **Code of Academic Conduct**

The Code of Academic Conduct applies to all undergraduate students, full-time and part-time, in Tulane University. Tulane University expects and requires behavior compatible with its high standards of scholarship. By accepting admission to the university, a student accepts its regulations (i.e., [Code of Academic Conduct](#) and [Code of Student Conduct](#)) and acknowledges the right of the university to take disciplinary action, including suspension or expulsion, for conduct judged unsatisfactory or disruptive.

*Unless I indicate differently on instructions, all assignments and exams are to be completed individually and without any study aid, including textbooks, class notes, or online sites. If you have any question about whether a resource is acceptable, you must ask the instructor rather than assume.*

## **Equity, Diversity, and Inclusion Statement (EDI)**

Equity, diversity, and inclusion (EDI) are important [Tulane values](#) that are key drivers of academic excellence in our learning environments. In our drive for academic excellence, we seek to ensure that students, faculty, and staff across diverse social identities, cultural backgrounds, and lived experiences can thrive - especially those from underrepresented and underserved communities (e.g., race/ethnicity, gender identity and expression, sexual orientation, disability, social class, international, veterans, religious minorities, age, and any other classification protected by applicable law - see [Tulane's Nondiscrimination Policy](#)). In order to build a supportive culture and climate for every member of our community, we recognize that we each of have unique EDI strengths to share with others and that we also have areas for EDI growth, learning, and change. This EDI commitment and cultural humility helps us collectively build a university community and culture where everyone experiences belonging.

## **Religious accommodation policy**

Per Tulane's religious accommodation policy as stated at the bottom [Tulane's academic calendar](#), I will make every reasonable effort to ensure that students are able to observe religious holidays without jeopardizing their ability to fulfill their academic obligations. Excused absences do not relieve the student from the responsibility for any course work required during the period of absence. Students should notify me within the first two weeks of the semester about their intent to observe any holidays that fall on a class day or on the day of the final exam.

## **Title IX:**

Tulane University recognizes the inherent dignity of all individuals and promotes respect for all people. As such, Tulane is committed to providing an environment free of all forms of discrimination including sexual and gender-based discrimination, harassment, and violence like sexual assault, intimate partner violence, and stalking. If you (or someone you know) has experienced or is experiencing these types of behaviors, know that you are not alone. Resources and support are available: you can learn more at [allin.tulane.edu](http://allin.tulane.edu). Any and all of your communications on these matters will be treated as either "Confidential" or "Private" as explained in the chart below. Please know that if you choose to confide in me, I am required by the university to share your disclosure in a Care Connection to the Office of Case Management and Victim Support Services to be sure you are connected with all the support the university can offer. The Office of University Sexual Misconduct Response and Title IX Administration is also notified of these disclosures. You choose whether or not you