

# Math 116 Intuitive Calculus

## Fall 2021

**Instructor:** Avery Wilson

**Email:** avwi1407@live.unc.edu

**Lectures:** MWF 12:20-1:10pm in Phillips 381

**Office hours:** Tues. 3-4pm in Phillips B40 (basement)

**Course format:** In person lectures; grade is based on homework, quizzes, and exams. Homework will be assigned every Friday and due the following Friday. There will be two midterms and a final, and 1-2 quizzes or in-class assignments between each midterm.

**Sakai:** Login with your onyen at sakai.unc.edu. This is where you can find the syllabus, homework assignments, exam solutions, etc.

**Textbook:** *Calculus Made Easy* by Thompson and Gardner.

### Other resources:

- Math Help Center (see <https://math.unc.edu/undergraduate/tutoring/>)
- Math Department Tutor List (same link)

### Course objectives:

To gain an intuitive understanding of the basic concepts of calculus (limits, derivatives, and integrals) and their applications. The course intends to introduce these topics in a less technical setting than a traditional calculus course, with a greater emphasis on examples and overall understanding.

### Course topics:

- Functions
- Sets and infinity
- Limits, continuity, sequences, and series
- Derivatives
- Integration

### Grading Policy:

- 10% participation
- 25% homework
- 10% quizzes and in-class assignments
- 15% exam 1
- 15% exam 2
- 25% final exam

## **Accessibility Resources**

The University of North Carolina at Chapel Hill facilitates the implementation of reasonable accommodations, including resources and services, for students with disabilities, chronic medical conditions, a temporary disability or pregnancy complications resulting in barriers to fully accessing University courses, programs and activities. Accommodations are determined through the Office of Accessibility Resources and Service (ARS) for individuals with documented qualifying disabilities in accordance with applicable state and federal laws. See the ARS Website for contact information: <https://ars.unc.edu> or email [ars@unc.edu](mailto:ars@unc.edu).

## **Counseling and Psychological Services**

CAPS is strongly committed to addressing the mental health needs of a diverse student body through timely access to consultation and connection to clinically appropriate services, whether for short or long-term needs. Go to their website: <https://caps.unc.edu/> or visit their facilities on the third floor of the Campus Health Services building for a walk-in evaluation to learn more.

## **Title IX Resources**

Any student who is impacted by discrimination, harassment, interpersonal (relationship) violence, sexual violence, sexual exploitation, or stalking is encouraged to seek resources on campus or in the community. Please contact the Director of Title IX Compliance (Adrienne Allison – [Adrienne.allison@unc.edu](mailto:Adrienne.allison@unc.edu)), Report and Response Coordinators in the Equal Opportunity and Compliance Office ([reportandresponse@unc.edu](mailto:reportandresponse@unc.edu)), Counseling and Psychological Services (confidential), or the Gender Violence Services Coordinators ([gvsc@unc.edu](mailto:gvsc@unc.edu); confidential) to discuss your specific needs. Additional resources are available at [safe.unc.edu](http://safe.unc.edu).