

**Instructor:** Prof. Isabella Novik,

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**Office:** Padelford C-416, (206)616-9373

**Class web-page:** <https://sites.math.washington.edu/~novik/380/index.html>

**Office Hours:** Monday 2:30-3:30 or by appointment, in PDL C-416

**Homework Assistance:** Tuesday 4:30-6pm, in CMU B-006, starting the 2nd week of the quarter.

**Lectures:** LOW 216, MWF 9:30–10:20

**Registration:** If you are trying to add this class, please look at the web registration system for course openings: there is a lot of movement in and out of classes throughout the first week March 27–April 2; during this first week, you can add and drop classes using MyUW and don't need permission from me as long as there is space. Please see <https://math.washington.edu/registration-information> for more details on departmental registration information.

**Textbook (recommended):** *Advanced Calculus, 2nd Edition*, by Patrick M. Fitzpatrick. A copy of the text is on reserve in Odegaard Library (it is available for you at the Odegaard 2nd floor desk for 2-hour checkout). I will also be posting detailed lecture notes on-line.

**Course Content and Objectives:** The goal of Math 327-328 sequence is to lay the groundwork for a theoretical understanding of calculus. Specifically, in this class we will study properties of real numbers, sequences of real numbers, series, limits and continuity of functions, and sequences of functions. The emphasis of this course is on improving problem-solving and proof-writing skills.

**Grades:** Your grade will be made of

**Homework** – 15%, **two quizzes** – 10% each, **Midterm Exam** – 25%, and **Final Exam** – 40%.

**Tests:** The **quizzes** will take place on *Friday, April 14* and *Friday, May 19* (in the last 20-25 minutes of class), the **midterm** will be on *Wednesday, May 3*, and the (comprehensive) **final** will be on *Wednesday June 7, 8:30-10:20 pm*.

For the midterm and final exams you may bring one sheet (front and back) of *handwritten notes*. More information about each of these exams will be provided about a week prior to the exam.

**Homework:** There will be weekly homework assignments (usually due Wednesday in class) consisting of 5–9 problems. Most of problems will require proofs. The assignments will be posted on the web-page of the class. Plan to spend a lot of time on homework—perhaps as much as six-eight hours a week on average. You are encouraged to discuss homework with each other. However, you must write everything up *on your own*. **Do not copy work** from another student (or any other source) and **do not allow your work to be copied**. Plagiarism will be taken seriously in this class. If you copy work from another student, another text, or an online source, or allow your work to be copied, you will receive a 0 on the problem for a first violation. Further violations will result in more severe penalties.

**Make-ups:** Late homework is not permitted. I will drop your lowest homework grade to allow for a missed assignment. Make-up quizzes and midterm will not be given. If you miss one of these tests due to **unavoidable, compelling, and well-documented** circumstances, your final exam will be weighted more heavily.

**Reading:** You will be given a few sections of the book to read each week. When you “read” a math text, do it with pencil and paper and check the details (especially the ones that are skipped in the book) for yourself; also try to prove some of the theorems on your own, before reading the text proof.

**Guidelines on how to write up solutions to problems** — see a separate handout.