

MATH 3450-03/04: Foundations of Mathematics II: Mathematical Reasoning Fall 2019

Instructor: Tony Shaheen

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Office Hours: to be announced in class.

Course Website: Follow the link from <http://www.calstatela.edu/research/ashahee/>

Lectures: Monday and Wednesday, 12:15pm—1:30pm, in Salazar Hall 339

Workshop: Monday 1:45pm—2:35pm, in Salazar Hall 339.

Textbook: There is no required textbook. I will discuss this in class.

Prerequisite: Math 2450.

Description: Set families; equivalence relations; modular arithmetic; functions; combinatorial reasoning; cardinality; linearly and partially ordered sets; abstract binary operations; standard number systems as groups, rings, fields; limits of sequences.

Student learning outcomes: Students who successfully complete this course will understand and be able to state the definitions given in class, be able to do calculations with the definitions and objects presented in class, be able to read and construct proofs.

Grading: Your grade will be based on two tests and a cumulative final. Each exam will be worth 1/3 of your grade.

Homework: Homework will be assigned, but not collected. The homework problems will be posted on the course website. I will also post solutions to the homework.

Exams: There are two tests and a final. All tests are in the regular classroom. The dates and times of the exams are as follows. The below dates are tentative. The final time/day is scheduled by the school and it may change.

Test 1: Monday, October 7.

Test 2: Monday, November 4.

Tentative Final Date: Wednesday, December 11, 12:00—2:00pm.

ADA statement: Reasonable accommodation will be provided to any student who is registered with the Office of Students with Disabilities and requests needed accommodation. Please let me know in the first week of class if you will be taking tests at the OSD office.

Academic honesty statement: Students are expected to do their own work. Copying the work of others, cheating on exams, and similar violations will be reported to the University Discipline Officer, who has the authority to take disciplinary actions against students who violate the standards of academic honesty.

Student responsibilities: Students are responsible for being aware of all announcements that are made in class, such as changes in exam dates, due dates of homework and papers, and cancellation of class due to instructor's absence. Students are responsible for announcements made on days that they are absent.

Students must check their CSULA email account regularly for information from the instructor and the Department. Failure to do so may result in missed deadlines or other consequences that might adversely affect students. Note that you can forward this email account to any other account of your choosing.