

# MATH4800 SYLLABUS

FALL 2023

**Instructor:** Kurt Vinhage

**Office:** 309 JWB

**Office Hours:** Tue 11AM - 1:30PM

**Contact.** The best way to contact me is through email ([vinhage@math.utah.edu](mailto:vinhage@math.utah.edu)). I will respond to emails within 48 hours, but many times sooner.

**Course Content.** We will investigate questions in symbolic dynamics and coding of smooth systems. The course will begin with lectures by the instructor and guided exercise sessions, and transition into group work and lectures by participants.

**Homeworks and Quizzes.** There will be regular homework assignments. Homeworks will be given roughly weekly (initially Fridays), and announced in-class and on a course website

*Homework Policies.*

- The instructor will choose 3 problems from each assignment to be graded. Each problem is worth 3 points. You will receive 1 point for turning in the homework. Each problem will be graded using the following rubric:
  - 0 points - No attempt was made, or writing was not relevant to the problem
  - 1 point - The solution is far from complete, or has serious errors or omissions
  - 2 points - The solution is mostly complete and “has the right idea,” but written poorly or has a small but crucial error or omission
  - 3 points - The solution is well-written and completely correct, modulo some very minor errors or omissions
- Homework must be turned in either at the during class on its due date, or to the TA, instructor or instructor’s mailbox before the start of class on the due date.

**Projects and Presentations.** Students will be required to write a project and give a presentation on the chosen topics. Suggested project topics will be provided mid-semester. Students may collaborate or work individually. Drafts of the projects will be due, tentatively on November 13. Students will be required to present on their project at the end of the semester.

**Course Grades.** The course grades will be calculated based on the following scale:

Homeworks		40% total
Project & Drafts		30%
Final		30%

The letter-grade cutoffs will be determined with the following thresholds.