

# MATH 239 - HOMOLOGICAL ALGEBRA

## Fall 2022

### Course Syllabus

**Instructor:** Ang Li

**Email:** ali169 at ucsc dot edu

**Office:** McHenry 4176

**Office Hours:** Tuesday 9:00-11:40 or by appointment.

**Lectures:** TR 11:40-13:15 at McHenry 1270

#### **Course materials:**

We will follow Weibel's *An introduction to homological algebra*. To experience the most out of this class, I recommend reading along the text and thinking about the exercises suggested.

The worksheets for group work sessions will be posted on Canvas, so as a tentative schedule.

#### **Grades:**

There will be no tests or exams. Instead, there will be 4 group work sessions throughout the quarter. We will have worksheets and solve the problems in group instead of having lectures.

Please choose one problem from each worksheet and carefully write up a solution. You can (continue) work in groups on the problems, but you must write up the solutions on your own.

Please hand in the 4 problems to me anytime before the quarter ends. Failing to do so will affect your grades in this course.

#### **Attendance and Participation:**

Please attend lectures if you are able to. If you have travel plans during group work sessions, please let me know as soon as you can so that I can plan ahead.

The instructor reserves the right to change this syllabus at anytime.