

## MTH 105 Math in Society

Instructor: Zack Reed

Office Hours: *Albany:*

MW, 3:00–3:30 PM in WOH-103

F, 10:00–11:00 AM in WOH-103

*Corvallis:*

MW, 8:00–8:30 AM in BC-101

Email: reedz@linnbenton.edu

Term: Winter 2020

CRN: 32614

Class Times: MW, 1:00–2:50 PM

Classroom: WOH-113

**T**HIS IS A SURVEY COURSE in mathematics for students in the liberal arts and other non-science majors. Topics are selected from areas such as critical thinking, analysis of growth, personal finance, probability, and statistics. During the term, students will learn to recognize and express mathematical ideas graphically, numerically, symbolically, and in writing. Application problems are realistic with some data to be collected, analyzed, and discussed in a group setting. Credits: 4; Prerequisite: MTH 095 or MTH 098.

### Student Learning Outcomes

1. Formulate questions that can be addressed with data
2. Demonstrate numeric and algebraic reasoning skills to support statistical analysis and financial literacy
3. Communicate mathematical concepts, processes, and solutions
4. Become a discriminating observer of quantitative information

### Grading

You may view your grades on the MyOpenMath website.

<i>Category</i>	<i>Percent of Grade</i>	<i>Grading Scale</i>	
Homework	20%	A	90–100%
In-Class Activities	20%	B	80–89%
Projects	10%	C	70–79%
Tests	20%	D	60–69%
Final	30%	F	0–59%

A grade of Incomplete may be assigned at the discretion of the instructor under special circumstances. The student must have completed the majority of the course, been in regular attendance and passing the course prior to the “special circumstance.”

## Tests

We'll have two exams during the term. They are tentatively scheduled for the Wednesdays of Weeks 4 and 7. Please let me know as soon as possible if you must miss these days. The Final Exam will be Monday, March 16, at 1:00 PM.

## Homework

Homework is done in MyOpenMath. Due dates are indicated.

## In-Class Activities

There will be an in-class activity almost every day. You may work with your classmates and ask me questions. Please bring notebook paper and a pen/pencil to class. Your lowest *three* scores on these activities will be dropped from your final grade.

## Projects

I will assign three projects during the term. You choose which *two* you want to turn in for credit. These projects will require you to explore an open-ended math problem and write up the result in a short (one page) paper.

## Required Materials

- ◆ MyOpenMath account (Course ID: 62963; Enrollment Key: society)
- ◆ Free ebook:  
<http://www.opentextbookstore.com/mathinsociety/2.5/MathinSociety.pdf>
- ◆ Scientific calculator
- ◆ Paper for in-class work

## Late Work

You are allowed to turn in up to five assignments after the due date without penalty.

## Help

If you have questions, PLEASE *come see me and ask!* I have scheduled office hours but you're welcome to come in at other times too. Study groups are encouraged! Many students find that working with classmates is the best way to learn and understand the material.

At the Albany campus, the Math Café in WH-227 is open Mon.–Fri., between 8 AM and 5 PM. It's a casual environment with comfortable seating, free hot beverages, laptops for student use, and friendly staff. No appointment is necessary to get help, but they also offer success coaching by appointment, during which you can talk about:

- ◆ Study strategies (notetaking, learning online, time management schedule, etc.)
- ◆ Making a catch-up plan, to get up to date on assignments
- ◆ Preparing for an exam
- ◆ Better understanding and navigating online homework

## Expectations

I expect that my students will be involved in class. This includes being present, asking questions and participating in discussions and group work (the instructor notes excellent attendance/attitude and will sometimes “bump up” a borderline grade for such students).

You should come to class prepared (this means you should bring your notebook, tablet/laptop, etc. in addition to having your work with you). Spend at least 8 hours per week working on this class.

I expect you will be respectful of everyone in the class, in word as well as behavior. Along these lines, I ask that you turn off and/or put away your cell phone, mp3 player, laptop, etc. during class—unless it is being used for an activity—so as to avoid causing a distraction.

## Academic Honesty

I assume that you are ethical and honest. However, if there is an incident of academic dishonesty (cheating), you will receive a score of zero for that test/assignment and the incident will be reported to the college administration for possible further disciplinary action. If there is a second offense, you will receive a grade of F for the course and the incident will be reported to the college administration with a recommendation for disciplinary action.

## Special Circumstances

Students who may need accommodations due to documented disabilities, who have medical information which the instructor should know, or who need special arrangements in an emergency should speak with their instructor during the first week of class. If you believe you may need accommodations but are not yet registered with the Center for Accessibility Resources (CFAR), please visit the CFAR Website<sup>1</sup> for steps on how to apply for services or call 541-917-4789.

## LBCC Comprehensive Statement of Nondiscrimination

LBCC prohibits unlawful discrimination based on race, color, religion, ethnicity, use of native language, national origin, sex, sexual orientation, gender, gender identity, marital status, disability, veteran status, age, or any other status protected under applicable federal, state, or local laws. For further information see Board Policy P1015 in our Board Policies and Administrative Rules.<sup>2</sup> Title II, IX, & Section 504: Scott Rolen, CC-108, 541-917-4425; Lynne Cox, T-107B, 541-917-4806, LBCC, Albany, Oregon. To report:  
[https://linnbenton-advocate.symplicity.com/public\\_report](https://linnbenton-advocate.symplicity.com/public_report)

*The instructor reserves the right to make changes to the syllabus/calendar at any time.*



<sup>1</sup> <https://www.linnbenton.edu/current-students/student-support/center-for-accessibility-resources/>

<sup>2</sup> <https://www.linnbenton.edu/faculty-and-staff/administrative-information/policies/board-policies-and-administrative-rules/1000-series-the-college/board-policy-series-number-1015-nondiscrimination-and-nonharassment.php>