

Instructor and class information:

Instructor: Mike Hruschka

CRN: 15614

Office: See Zoom Room

Class time: NA

Office Hours: TBD

Room: NA

Email: hruschm@linnbenton.edu

Course description and objectives:

This is a survey course in mathematics for students in the liberal arts and other non-science majors. Topics are selected from areas such as management science, statistics, social choice, the geometry of size and shape, and computers and their applications. Emphasizes the application of mathematics to the problems of contemporary society and the critical role these applications play in economic, political and personal life. Upon successful completion of this course, students will be able to: Formulate questions that can be addressed with data, then organize, display and analyze relevant data to address these questions and communicate results. Apply the basic principles of study design to develop and analyze the validity of simple experiments. Demonstrate numeric and algebraic reasoning skills to support statistical analysis and financial literacy. Construct, use, and interpret mathematical models, specifically linear, quadratic, logarithmic, and exponential functions, to represent relationships in quantitative data

Prerequisite:

MTH 95 or 98.

Required Course Materials:

A device to access the Internet, this can be a tablet, laptop or phone. (Phone screens are small, which will make things more challenging.) You may be able to borrow a laptop from the LBCC Library.

Textbook:

Math in Society by David Lippman; free online here:

<http://www.opentextbookstore.com/mathinsociety/current2.php?chapter=MathinSociety.pdf>. There is also a link to the textbook in MyOpenMath.

Software Platform:

MyOpenMath: Most of the class will be through MyOpenMath, which is free. Enroll in MyOpenMath by following the instructions below.

0 If you have used MyOpenMath before, log in and skip to step 6

1 Go to www.myopenmath.com

2 Click on "Register as a New Student"

3 Enter a user name, I recommend using your student ID number

4 Choose and confirm a password, one you will not forget

5 Enter your first and last names, and your e-mail address

6 Enter the Course ID: 76681

7 Enter the Enrollment Key: Su2020

After you have enrolled, take the video tours in the Course Information block.

Grading Policy:

Your grades may be viewed on MyOpenMath.com and will be based on the following:

- Online Homework and activities: 20%
- Projects: 15%, submitted three times during the term
- Tests: 40%: 2 midterms worth 20% each.
- Final Exam: 25%

Grading Scale:

A: 90 -100% B: 80 – 89% C: 70 - 79% D: 60 - 69% F: 0 - 59%

Some grading details:

Online Homework and activities:

Most of the learning you do in this class will be from activities and video lectures. A few of the activities will be collected for a grade, but you will need to do all the activities to learn the material. You will have frequent graded homework assignments in My Open Math. In most cases you will need to complete the related activities before you will be ready to do the homework. The lowest homework/ activity grade will be dropped.

Projects:

There will be 3 projects in this class. They will generally include both a spreadsheet and a paper. You must submit an active spreadsheet (not a pdf) so that I can see the formulas you use. **Projects should be sent to or shared with the email address at the top of this syllabus.** I do not monitor other email addresses that may pop up as you begin to type my name.

Tests:

There will be two tests and a final exam. All will be online.

Resources:

MyOpenMath:

This is where most of the information for the course is housed. MOM contains a calendar, links to individual textbook chapters, video lectures, learning activities, and has a discussion forum where you can ask questions of fellow students or the instructor. Keys to activities will be posted in MyOpenMath. Graded homeworks will be done in MyOpenMath.

Zoom Room:

The Zoom Room for this class is an online place where students can work together in groups or ask the instructor questions. A schedule of times when the instructor will be present will be posted in MyOpenMath after consultation with students on availability. In addition, the Zoom room is available at all times for students to work together. More information on Zoom features and basic instructions for connecting via Zoom are in MyOpenMath.

Link to the Zoom Room: <https://linnbenton.zoom.us/j/624502912>

Learning Center:

The Math Desk/Math Cafe Zoom Room is open to help students Monday through Thursday, 8 am to 5 pm at the [Math Desk Summer Zoom Room](#).

For help connecting, use the following email addresses: mathdesk@linnbenton.edu, mathcafe@linnbenton.edu, or woodb@linnbenton.edu.

Learning Center information is centralized at <https://www.linnbenton.edu/current-students/study/learning-center/>, including the Math Desk/Math Café, Tutoring, the College Skills Zone, the Writing Center, English Language Learners Resources, and the Science Help Desk.

Textbook:

Math in Society by David Lippman; free online here:

<http://www.opentextbookstore.com/mathinsociety/current2.php?chapter=MathinSociety.pdf>

Optional: Excursions in Modern Mathematics by Peter Tannenbaum.

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:

LBCC is committed to inclusiveness and equal access to higher education. If you have approved accommodations through the Center for Accessibility Resources (CFAR) and would like to use your accommodations in the class, please talk to your instructor as soon as possible to discuss your needs. If you believe you may need accommodations but are not yet registered with CFAR, please visit the [CFAR Website](https://www.linnbenton.edu/cfar) <https://www.linnbenton.edu/cfar> 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, marital status, disability, veteran status, age, or any other status protected under applicable federal, state, or local laws.

Statement of Inclusion:

The LBCC community is enriched by diversity. Each individual has worth and makes contributions to create that diversity at the college. Everyone has the right to think, learn, and work together in an environment of respect, tolerance, and goodwill. (related to Board Policy #1015)

Start early, Communicate, and be Flexible.

In addition to learning the course material, some or much of the technology and class format may be new to you. Start learning the technology (and the course material!) early so that you have time to get the wrinkles ironed out. If something isn't working the way it should, or you have circumstances that will make this new class format difficult for you, let me know as soon as possible, so that we get it fixed or work around it.