

Instructor and class information:

Instructor: Mike Hruschka

CRN: 42947

Office: WOH 103

Class time: NA

Office Hours: by Zoom appointment

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: 70276

7 Enter the Enrollment Key: S2020 TR

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: 15%
- Projects: 20%, submitted four 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:

You will have frequent graded homework assignments in My Open Math. This gives you a chance to immediately reflect on your learning and understanding. Much of the learning you do in this class will be from activities and worksheets, some of which will be collected for a grade. The lowest homework/activity grade will be dropped.

Projects:

Each project will have a description and a grading rubric. This helps you identify your goal for the grade you want to earn. For projects that use a spreadsheet, 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 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 meetings:

There will be optional Zoom meetings during the previously scheduled class hours; Tuesdays and Thursdays from 3 to 5 PM. In the Zoom meetings you can ask questions or work with other students in breakout rooms. If possible, attend the first part of the first Zoom meeting Tuesday April 7th at 3PM.

More information on Zoom features and basic instructions for connecting via Zoom are in MyOpenMath.

Link to regular Zoom meetings: <https://linnbenton.zoom.us/j/624502912>

In addition to the regular Zoom meetings, I am available via Zoom for “office hours”. The office hours meeting is configured slightly differently from the regular Zoom meeting to enable private discussions, and are also a good place to get help with math. These are not at a fixed time, so email me to make an appointment.

Link to “office hour” Zoom meetings: <https://linnbenton.zoom.us/j/170639244>

Learning Center /Math Café:

The Learning Center has also moved to Zoom. There are two Zoom meetings where you can get help with math:

The Math Café: <https://linnbenton.zoom.us/j/954138012> Hours: M-F 8-5

The Math Help Desk: <https://linnbenton.zoom.us/j/579890953> Hours: M-R 8AM-9PM, F 8AM-5PM, and Sa 11AM-4PM

Learning Center information is centralized at <https://www.linnbenton.edu/current-students/study/learning-center/> , including the Math Café, the Math Help Desk, 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. Things have changed a lot in the past few weeks. Things may continue to change. Be ready to adjust as necessary.