



## Fundamentals of Elementary Mathematics I

MTH 211      Fall 2020      CRN 26177

Class Times:      Monday/Wednesday 5:30 -7:20; (4 credits)      Class Location:      [virtual - zoom](#)/moodle  
Instructor:      Sharyn Abbes      Office hours:      [zoom](#)  
Office Hours:      MW 7:30- 8pm or by appt      Email: [abbess@linnbenton.edu](mailto:abbess@linnbenton.edu)

**Course Description:** *First of three courses in the mathematics cluster for prospective elementary and middle school teachers.* Develops the understanding of basic mathematical concepts necessary for teaching mathematics in grades K-8. Topics include problem solving, whole numbers, algorithms for computation, numeration systems, number theory and fractions.

Upon completion of the course, the student will be able to:

1. Solve mathematical problems using multiple approaches.
2. Solve problems and explain mathematical concepts using manipulatives.
3. Explain and apply multiple methods for arithmetic computations with fractions, whole numbers and numbers in different bases.
4. Communicate mathematical concepts and algorithms in a variety of ways: written, verbal, or by demonstration.

**Prerequisites:** MTH 95 or equivalent

### Required Materials:

Mathematics for Elementary Teachers, A Contemporary Approach by Musser, Burger, & Peterson, 10<sup>th</sup> Edition

Mathematics for Elementary Teachers, Student Activities Manual by Riverstone, 10<sup>th</sup> Edition

Your own calculator (not on your phone)

**Optional Materials:**      Student Hints & Solutions Manual

### Grading and Assessment:

Your grade will be based on the following:

Homework & Attendance	20%	<u>Grading Scale:</u>	90%-100%	A
4 Activity Reports	20%		80%- 89%	B
Presentation	20%		70%- 79%	C
Midterm	20%		60%- 69%	D
Final Exam	20%		0- 59%	F

### **Homework & Attendance:**

The homework assigned during the week will be due the following Monday by midnight. There will be a 20 minute Q&A at the beginning of every Monday class. Homework assignments will be graded on **completeness, accuracy and clarity**. Use this [link](#) if you are unsure about homework requirements

I will be taking attendance **at every session**. You may have two absences without grade penalty. All work is due by midnight for any due date, regardless of absence. Please contact me asap if you have any reason why you cannot turn work in on time and we can figure out the next best steps.

All late homework will be accepted up to the corresponding exam for a maximum of half credit.

### **Presentation:**

You will be assigned a topic to present. The presentations will be submitted/presented during week 10. I will give you more information about the presentations and about how they are graded when they are assigned. You will be designing a virtual lesson over one specific question related to our content. These will be presented by video (unless you prefer to do a live lesson).

### **Activities:**

We will be doing lots of activities. These are intended to be done in a group setting - not independently. I intend to use class time with breakout rooms to help you manage your activity. You will need to have your Student Activity Manual available. You will be responding to specific questions via discussion on moodle. Each student will also be required to respond to two (2) other students who are not in their group. I like to change groups around so everyone interacts. If anyone in your group appears difficult to work with, please let me know.

### **Tests:**

There are two tests (midterm & final) in this class. Dates and particulars will be available soon. The final will be partially comprehensive, with a greater emphasis on the material covered since the second test. There will be no makeups. However, you may use the percentage grade on the final exam to replace the midterm grade up to a maximum replacement score of 70%. You should make every effort to contact me **before** the scheduled test time if there is any possibility that you may miss a test for an unavoidable reason. There are no make-ups for the final exam.

**HELP:** If you have questions, PLEASE come to office hours or message me and ask! I have scheduled office hours but you're welcome to schedule other times with me too. Additionally, the [Learning Center](#) provides a [Math Help Desk](#)—a place you can “drop in” and receive assistance with your math questions. Study groups are encouraged! Many students find that working with classmates is the best way to learn and understand the material. I will do my best to keep all these resources updated on my moodle page.

**Expectations:** I expect that my students will be involved in class. This includes being present, asking questions and participating in discussions. You should be prepared for class and appropriate in dress and manners (this means you should have your book, activities manual, etc. in addition to having your work with you, please dress casually but wear something, and refrain from driving or other inappropriate behaviors during any live sessions/lectures). 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 SO AS TO AVOID CAUSING A DISTRACTION.**

## College Policies

### **LBCC Email and Course Communications**

You are responsible for all communications sent via Moodle and to your LBCC email account. You are required to use your LBCC provided email account for all email communications at the College. You may access your LBCC student email account through Student Email and your Moodle account through Moodle.

**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.

### **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](#). Title II, IX, & Section 504: Scott Rolen, CC-108, 541-917-4425; Lynne Cox, T-107B, 541-917-4806, LBCC, Albany, Oregon. To report: [linnbenton-advocate.symplicity.com/public-report](http://linnbenton-advocate.symplicity.com/public-report).

### **DISABILITY AND ACCESS STATEMENT:**

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 the 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](#) for steps on how to apply for services or call 541-917-4789.

### **Title IX Reporting Policy**

If you or another student are the victim of any form of sexual misconduct (including dating/domestic violence, stalking, sexual harassment), or any form of gender discrimination, LBCC can assist you. You can [report](#) a violation of our sexual misconduct policy directly to our Title IX Coordinator. You may also report the issue to a

faculty member, who is required to notify the Coordinator, or you may make an appointment to speak confidentially to our Advising and Career Center by calling 541-917-4780.

### **Statement of Inclusion**

To promote academic excellence and learning environments that encourage multiple perspectives and the free exchange of ideas, all courses at LBCC will provide students the opportunity to interact with values, opinions, and/or beliefs different than their own in safe, positive and nurturing learning environments. LBCC is committed to producing culturally literate individuals capable of interacting, collaborating and problem-solving in an ever-changing community and diverse workforce.

The LBCC community is enriched by diversity. Everyone has the right to think, learn, and work together in an environment of respect, tolerance, and goodwill. I actively support this right regardless of race, creed, color, personal opinion, gender, sexual orientation, or any of the countless other ways in which we are diverse. (related to Board Policy #1015)

### **Public Safety/Campus Security/Emergency Resources:**

In an emergency, call 911. Also, call LBCC Campus Security/Public Safety at 541-926-6855 and 541-917-4440.

From any LBCC phone, you may alternatively dial extension 411 or 4440. LBCC has a [public safety app](#) available for free. We encourage people to download it to their cell phones. Public Safety also is the home for LBCC's Lost & Found. They provide escorts for safety when needed. Visit them to learn more.

***The instructor reserves the right to make changes to the syllabus/calendar at any time. Changes will be either announced in class, noted on website and/or syllabus, or sent through LBCC class email.***