Spring 2020
College Algebra
Math 104

Section 002	71729	9:10 - 10:10 AM Mon. Wed. Fri.	Swart 003
Section 011	71738	1:50 - 2:50 PM Mon. Wed. Fri.	Swart 003
Section 013	71740	3:00 – 4:00 PM Mon. Wed. Fri.	Swart 003

Instructor Information

Name: Dr. Linda Eroh

Office: 124 Swart Hall

Office hours: 11:30-12:30 Mon., Wed., Fri.; 9:10 – 10:10 AM Tues., Thurs. Swart 124
Please come by, no appointment is needed! You are welcome to drop by at other times as well.

e-mail: eroh@uwosh.edu

Office phone: 424-7343

Cell phone: 920-379-9529 (It is OK to call me at this number, but please do not call between 10 pm and 6 am).

ALEKS code for this class: 9C9QG-QXMJK

Required materials:

Math 104 bundle available at the campus bookstore, including a digital e-book and an 18-week ALEKS code. If you prefer a hard copy of the book, you could instead buy a new copy of the book which would include an ALEKS code or rent a used copy of the book and purchase an ALEKS code separately. If you are already purchasing ALEKS access for another class, you DO still need to purchase ALEKS access for this class as well.

Notebook for working through problems on ALEKS (Even though the problems are on-line, I strongly recommend that you work them out on paper and pencil, then enter your answer on-line. If you keep your work organized in a notebook, it will also serve as a valuable reference.)

graphing calculator (TI-83 or TI-84)

Please, cell phones off in class! If you must have your cell phone on (emergency workers, parents of young children), please set it to vibrate and leave the room quietly to answer it.

Prerequisites

Math 103 with a grade of C or better or placement.

Catalogue Description

Equations and inequalities; graphs, functions, and models; polynomial and rational functions; exponential and logarithmic functions. You may not receive credit for both Math 104 and Math 108. Math 104 and Math 106 together count as Math 108.

This course and the liberal arts

This course is also designated a University Studies Program (general education) Explore course, particularly addressing the liberal arts learning outcomes *identification and objective evaluation of theories and assumptions*, *critical and creative thinking*, *written and oral communication*, and *quantitative literacy*.

Learning Outcomes

The goal of this course is to give students appreciation of mathematics and algebraic tools they need in order to be successful in other mathematics and science courses. It focuses on problem solving, critical thinking and learning basic concepts in algebra. Upon successful completion of the course, students are expected, but are not limited, to have the ability to do the following.

- Be able to communicate graphically, numerically, and algebraically in the notation and vocabulary of college algebra
- Display a basic understanding of the general concepts of functions, relations, equations, and inequalities
- Be competent in working with linear and quadratic functions in theory and application
- Be able to show a basic understanding of inverse functions by showing a proficiency in working with their properties
- Be able to identify the properties of polynomials of different degrees and rational functions
- Have an understanding of how the roots of a polynomial determine its factorization
- Display a working knowledge of the definitions and manipulation of exponential and logarithmic functions and equations
- Be able to model and predict situations using algebra

Student Right to Know Act

Students are advised to see the following URL for disclosures about essential consumer protection items required by the Students Right to Know Act of 1990:
https://uwosh.edu/financialaid/consumer-information/

Early Alert

During the 5th week of classes, you will receive an e-mail with an "Early Alert" notification concerning your overall progress in this course and each of the courses that you are taking this semester. The Early Alert Reports will indicate if you have academic performance or attendance issues and are designed to help you evaluate your study skills and your class attendance to

determine if you need to make changes or seek additional assistance. Early Alert grades are not permanent and will not appear on your transcript.

Tutoring Resources

Unfortunately, the Mathematics Department Tutor Lab in Swart 113 was not funded for this year. The Center for Academic Resources (http://www.uwosh.edu/car) can provide one-on-one tutoring for this course at no cost to you.

ALEKS

ALEKS stands for Assessment and Learning in Knowledge Spaces. ALEKS is an on-line homework system for mathematics. We will use ALEKS for homework this semester. One great advantage of an on-line homework system is that you have immediate feedback. ALEKS, in particular, is adaptive, so if you struggle with a particular topic, you will be asked to complete more questions related to that topic. That means that if you are already comfortable with a specific topic, you will not be forced to do a lot of "busy-work," but if you need more practice, you will get it. However, please be warned to take your homework and pre-tests on ALEKS seriously. If you are careless, you may have to do a large number of additional questions to convince ALEKS that you know the material.

ALEKS Customer Support

For ALEKS Customer Support, call 714-619-7090 or use the on-line contact at www.aleks.com . Their hours are Sundays 3 PM to midnight, Mondays through Thursdays 6 AM to midnight, and Friday 6 AM to 8 PM.

Campus Computer Support

For on-campus computer support, contact UWO Academic Computing at 424-3020 or send an e-mail to helpdesk@uwosh.edu. Their hours are 7:30 AM – 4:30 PM.

Quizzes

We will also have quizzes most weeks, usually on Friday. Quizzes will be given in the last 10-15 minutes of class and will be worth 10 points each. The lowest 2 quiz scores will be dropped. You must have a documented excuse (such as a medical excuse) to get a make-up. If you know you are going to miss a quiz, for instance for a university-sponsored event or a family trip, you can arrange to take the quiz early. If you miss more than two quizzes due to circumstances beyond your control, please talk to me as soon as possible.

In-Class Activities

On many days, we will have some short in-class activities intended to give you immediate practice with material we have just discussed and to lead you to explore new ideas. Some of these activities will be done individually; for others, you will be asked to work in small groups. We will almost always discuss solutions at the end of class. Typically, these activities are not directly graded, but they are intended to help you understand concepts and hence to prepare you for questions on quizzes and exams.

Exams

Notice that exam dates and material covered are approximate; exact dates and coverage will be announced in class. Each exam will contain some review questions from earlier material. Exam 1 is tentatively scheduled for Friday, March 6, and covers sections 1.1 to 2.5. Exam 2 is tentatively scheduled for Friday, April 10, and covers sections 2.6 through 3.6. Exam 3 is scheduled for Friday, May 15, and emphasizes sections 3.6 through 4.6, but also includes REVIEW QUESTIONS based on the earlier exams from the rest of the semester.

Accommodations

The University of Wisconsin Oshkosh supports the right of all enrolled students to a full and equal educational opportunity. It is the University's policy to provide reasonable accommodations to students who have documented disabilities that may affect their ability to participate in course activities or to meet course requirements.

Students are expected to inform instructors of the need for accommodations as soon as possible by presenting an Accommodation Plan from either the Accessibility Center, Project Success, or both. Reasonable accommodations for students with disabilities is a shared instructor and student responsibility.

The Accessibility Center is part of the Dean of Students Office and is located in 125 Dempsey Hall. For more information, email accessibilitycenter@uwosh.edu, call 920-424-3100, or visit the Accessibility Center Website.

Drop Dates

The last day to drop is **March 18, 2020.** Late withdrawals are approved very rarely and only when there are extenuating circumstances beyond your control which occur after the drop date. If at any point you are concerned about your progress in the class, please make an appointment to discuss the situation with me.

Grading Distribution

ALEKS homework	20%
Quizzes	20%
Exam 1	20%
Exam 2	20%
Exam 3	20%

Attendance and participation may help determine your grade if you fall on the border between two grades. I do not currently plan to grade in-class activities; if that changes, I will announce it in class and explain how those grades will be counted (most likely as a quiz).

Grading Scale

Notice that the scale is given in percentages and not points. Any score below 60% is an F.

		87-89.9%	B+	77-79.9%	C+	67-72.9%	D+
93-100%	A	83-86.9%	B	73-76.9%	C	63-66.9%	D
90-92.9%	A–	80-82.9%	B–			60-62.9%	D–