

**Eastern Oregon University**  
**Course Syllabus**

**Number of Course:** Math 095

**Name of Course:** Algebraic Foundations

**Catalog Description:** The course examines fundamental concepts of algebra and is equivalent to second year high school algebra. Concepts include polynomial expressions and factoring, rational expressions, radical expressions, and quadratic expressions. (Not applicable toward a baccalaureate degree.)

**Credit Hours:** 4

**Required Texts or Suggested Materials:**

Are available at: <http://eou.bncollege.com/>

**Prerequisites:** Math 070 or equivalent.

**Learning Outcomes:**

Upon successful completion of this course the student should be able to:

1. Evaluate and simplify Exponential Expressions using appropriate properties
2. Define and simplify polynomial, rational and radical expressions/functions
3. Determine which factoring method to apply and factor polynomial expressions
4. Solve quadratic equations algebraically
5. Solve applications of quadratic, rational and radical equations
6. Develop the ability to communicate mathematical ideas, problem solving techniques, and reasoning by the appropriate use of English language, mathematical notation, and mathematical diagrams in the solution of selected problems.
7. Develop the ability to evaluate own work by the means of reasoning, checking and/or tracing the steps.

**Course Requirements:**

Four Chapter Tests (100 points each)

Daily Homework (15 points x 27 sets)

Quizzes (announced and/or unannounced; appx 10 pts x 16)

Attendance

**Grading Policies:**

Four Chapter Tests (100 points each) -- - 40%

Daily Homework (15 points x 27 sets) -- - 30%

Quizzes (announced and/or unannounced; appx 10 pts x 16) -- - 20%

Attendance -- - 10%

The course is pass/fail. Students will need to earn 75% to receive a S (satisfactory or pass), receive a U (unsatisfactory or fail).

**Means of Assessment:**

*Explain how assignments demonstrate learning outcomes of the program, connected explicitly to outcomes (for example, by number) Please indicate the Program Learning Outcome.*

**Brief Outline of Course:**

Week 1

Sections 5.1, 5.2, 5.3 & 5.4

Week 2

Sections 5.5, 5.6 & 6.1

Week 3

Chapter 5 Review

Exam I (Chapter 5 Test)

Sections 6.2 & 6.3

Week 4

Sections 6.4, 6.5, 6.6, 6.6 & 6.7

Week 5

Section 7.1 & 7.2

Chapter 6 Review

Exam II (Chapter 6 Test)

Week 6

Sections 7.3, 7.4, 7.5 & 7.6

Week 7

Sections 10.1 & 10.3

Chapter 7 Review

Exam III (Chapter Test)

Week 8

Sections 10.4, 10.7, 10.7 & 11.1

Week 9

Section 11.1 & 11.2

Week 10

Section 11.5 & 11.6

Chapter 10 & 11 Review

Finals Week

Final Exam (Chapters 10 & 11 Test)

Writing Center Statements:

***For on-campus courses***

The Writing Center provides a place — physical or virtual — where every EOU writer can find an interested, responsive reader. Writing tutorials are free of charge for EOU's undergraduate and graduate students who are writing for any course at any level, or who are writing resumes, job

letters, graduate applications, and more. Go to [eou.mywconline.com](http://eou.mywconline.com) to schedule an appointment in the Writing Center (Loso Hall 234).

### ***For online or on-site courses***

The Writing Center provides a place — physical or virtual — where every EOU writer can find an interested, responsive reader. Writing tutorials are free of charge for EOU students writing for any undergraduate course. Go to [EOU's eTutoring page](#) to submit a paper to a writing tutor.

### ***For graduate courses***

The Writing Center provides a place — physical or virtual — where every EOU writer can find an interested, responsive reader. Writing tutorials are free of charge for EOU students writing for any graduate course. Go to [EOU's eTutoring page](#) to submit a paper to a writing tutor. Click on [Graduate Students How To](#) for information about tagging your submission.

## **Classroom Decorum:**

### **Academic Misconduct Policy:**

Eastern Oregon University places a high value upon the integrity of its student scholars. Any student found responsible for an act of academic misconduct (including but not limited to cheating, unauthorized collaboration, fabrication, facilitation, plagiarism or tampering) may be subject to having his or her grade reduced in the course in question, being placed on probation or suspended from the University, or a combination of these. (Please see the Student Handbook online at <http://www.eou.edu/sse/student-handbook/>).

### **Accommodations/Students with Disabilities policy:**

Any student who feels he or she may need an accommodation for any type of disability, must contact the Disability Services Office in Loso Hall, Room 234. Phone: 541-962-3081.

### **Disclaimer:**

This standard syllabus provides only general information on the course. For those enrolled in the course a detailed syllabus will be provided by the Instructor at the beginning of the term. Please keep in mind that not all courses are offered every year. Consult Webster for scheduling information.

**Date:** 2018