

Math 111 B: College Algebra Part II

Winter 2023 – Section 101

Course number: 68452

Credit hours: 2

Instructor: Tuan Pham, email: tnpham@eou.edu

Office: Loso Hall 225, telephone: 541-962-3465

Office hours on Zoom: M,T,Th,F 2-3 PM (Pacific time) or by appointment. Link:

<https://eou.zoom.us/j/97279586897>

Time and place: this is an asynchronous online class.

Canvas: <https://eou.instructure.com/courses/38839>

Textbook: “*PreCalculus*” by Stitz and Zeager, available for free at

<https://stitz-zeager.com/szprecalculus07042013.pdf>

Prerequisite: Math 111 A or consent of instructor.

Course description: This course is the second part of a two course sequence. Topics include equations and inequalities in one variable, a careful treatment of the function concept, and an examination of the properties and application of several important families of functions: polynomial, rational, exponential, and logarithmic.

Learning Outcomes: Upon successful completion of this class, a student should be able to:

1. Find real and complex roots of simple polynomials.
2. Graph simple rational functions and determine some basic features such as domain, x , y -intercepts, and asymptotes.
3. Solve equations and inequalities involving rational functions.
4. Compute composite and inverse functions.
5. Graphing and solving equations involving exponential and logarithmic functions.

Grading components:

Homework: 30%

Quizzes: 10%

Class participation: 17%

Midterm: 25%

Final exam: 25%

Means of assessment:

- **Homework:** There will be 10 homework sets to be turned in on Canvas by midnight (Pacific time) each Saturday. You are to write out your solutions showing your work. *You will not get full credit if you just copy exactly the solution in the textbook.* Feel free to start a thread on the discussion board your questions and comments. Scan your work and upload the file(s) to Canvas in one of the following formats: pdf, jpg, jpeg, png, doc, docx. It is your responsibility to make sure that your submission is clear enough to read. You are encouraged to work together, but must individually write in your own words and reflect your own understanding. Late submissions will not be accepted except in cases of emergency or illness with relevant documentations. Only a few selected problems will be graded in detail. The rest will be given credit on the basis of completion.

- **Quizzes:** There will be two review quizzes worth 5% each. Quizzes are timed but not proctored.
- **Class participation:** There will be 1 discussion thread to introduce yourself and 10 homework discussion threads. Post at least twice on the discussion board for each assignment, either asking a question or offering help, and you will get full credit (4 points per assignment). While you may post in the discussion forum at any time, only posts made by the due date for that assignment will count toward your class-participation score.
- **Midterm Exam:** The midterm exam will be open during February 13-15, 2023. It is a closed book exam. No notes are allowed. A non-graphing calculator is allowed. A blank sheet of paper for scratch is allowed. The time limit is 90 minutes.
- **Final exam:** The final exam will be open during March 22-23, 2023. The final exam will only covers the material after the midterm exam. It is a closed book exam. No notes are allowed. A non-graphing calculator is allowed. A blank sheet of paper for scratch is allowed. The time limit is 90 minutes.

Proctored tests: Both midterm and final exams are proctored. The quizzes are not. You can also take the test at home using a third-party service called SmarterProctoring. A fee of \$5 is required each time you use this service. You can also take the test (free of charge) at EOU Testing Center or EOU Regional Center if you live in Oregon. Please contact the instructor in advance if you want to choose this option. More information can be found at www.eou.edu/testing.

Grade lines: the course grade lines will not be harder than the standard grade lines: A 100-93%, A- 92.99-90%, B+ 89.99-87%, B 86.99-83%, B- 82.99-80%, C+ 79.99 - 77%, C 76.99-73%, C- 72.99-70%, D+ 69.99-67%, D 66.99-63%, D- 62.99 - 60% and F < 60%.

Other Learning Resources:

- The Learning Center at Loso Hall 234 offers free tutoring service, both physical and virtual. Visit <https://www.eou.edu/lcenter/> for appointment.
- The Writing Center at Loso Hall 234 provides a place, both physical and virtual, where every EOU writer can find an interested, responsive reader. Go to eou.mywconline.com/ to schedule an appointment with the Writing Center.

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.

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.