Math 111A: PreCalculus I - Functions (Part I)

Fall 2023 – Section 101

**CRN:** 30887

**Credit hours**: 2

**Instructor:**...., email: ....

**Office:** ...., telephone: ....

**Office hours:** ....

**Time and place:** ....

**Canvas:** ....

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

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

**Prerequisite**: Math 095 or equivalent.

**Course description:** This course is the first part of a two course sequence. The two courses will be equivalent in content and credit to MATH 111Z. 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**: At the end of this course, students will be able to:

1. Graph simple polynomials, including linear and quadratic functions. Interpret the behaviors of a function from its graph.
2. Factor and find roots of simple polynomials.
3. Apply the technique of graphing and factoring polynomials to solve a variety of practical problems.
4. Perform arithmetic operations on complex numbers.

**Grading components**:

Homework:

Quizzes:

Class participation:

Midterm:

Final exam:

**Means of assessment**:

* **Homework**:
* **Quizzes**:
* **Class participation**:
* **Midterm Exam:**
* **Final exam:**

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**Grade lines:** the course grade lines will not be harder than the standard grade lines: A 10093%, 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.
* EOU’s Library has many good books and ebooks to check out: [https://library.eou. edu/](https://library.eou.edu/)

**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.

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