

**MATH 1147 – 01 Precalculus**  
Spring 2013  
MTWRF 8:00-8:50am, PS 307

- **Instructor:** Yunrong Zhu
- **Contact Information:**
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- **Office Hour:** MWF9:00-10:00am or by appointment
- **TEXTBOOK:** *Precalculus*, Seventh Edition, by David Cohen, Theodore B. Lee and David Sklar, Brooks/Cole, ISBN-13 978-0-8400-6942-9
- **Prerequisites:** You must have passed MATH 1108 with at least a C-.
- **Course Objectives:** The primary objective of this course is to prepare the students the basic mathematical concepts, techniques and ideas needed in calculus, and to develop problem-solving skills. We will cover most of chapter 3-5, 7-10 and 13 of the textbook. We are going to explore the concept of function and its graph (domain, range, composition of functions, inverse functions). We will study functions including polynomial, rational, exponential, logarithmic, and trigonometric functions. The course will conclude with an introduction to vectors and polar coordinates.
- **Homeworks:** Homework from each section will be assigned after each lecture, and collected weekly. The assignments will be announced in class, and posted on the course website. **No later homework is accepted for any reason.** You can drop the lowest three homework scores. To be prepared for the classes and exams, it is very important that you do the homework right after the section is covered.
- **Quizzes:** Throughout the semester, at least seven in class quizzes will be given. You must be present in the class to take the quiz, and **NO make-up quiz will be given for any reason.** The quiz questions are based on the homework problems and examples shown in class. You can drop the lowest two quiz scores.
- **Exams:** There will be five in-class exams and one two-hour comprehensive final exam with the tentative schedule as follows:
  - Exam #1:** Monday Jan. 28, On Chapter 3
  - Exam #2:** Friday Feb. 22, On Chapter 4 and Chapter 13
  - Exam #3:** Tuesday Mar. 12, On Chapter 5
  - Exam #4:** Wednesday Apr. 10, On Chapter 7 and Chapter 8
  - Exam #5:** Friday Apr. 26, On Chapter 9 and Chapter 10
  - Final Exam:** Monday, May 6, 7:30 – 9:30am

- **Make-up Exams:** Students who have a valid documented reason, such as a unavoidable emergency or illness during regular examination times are permitted to schedule a makeup examination with no penalty. In order to take a makeup examination, student needs to contact the instructor as soon as possible and **within 48 hours** of the regular examination date, otherwise any missed exam will be 0.
- **Calculators:** Graphing calculators will be allowed on exams with some exceptions. Any calculator that has a built-in Internet access or Computer Algebra System (CAS) will NOT be allowed. Using such features during an exam amounts to cheating. If this occurs at all then calculators will not be allowed on subsequent exams. The TI-83 is the departmental standard and is recommended.
- **Grading:** Student's course grade will be based EXCLUSIVELY on homework, quizzes, five midterm exams, and the final exam. There will be **NO "extra credit" work**. The weights are distributed as follows:  
**10% Homework + 10% Quizzes + 50% exams + 30% Final exam**

<b>A+</b>	93% and above	<b>C</b>	73%--76%
<b>A-</b>	90%--92%	<b>C-</b>	70%--72%
<b>B+</b>	87%--89%	<b>D+</b>	67%--69%
<b>B</b>	83%--86%	<b>D</b>	63%--66%
<b>B-</b>	80%--82%	<b>D-</b>	60%--62%
<b>C+</b>	77%--79%	<b>F</b>	59% and below

- **Help:** Tutors and MATH Center: The MATH Center is a free walk-in math tutoring service provided by the Center for Teaching and Learning and the Mathematics Department for any registered ISU student needing help in undergraduate math courses or courses involving mathematics. The tutors are trained undergraduate students, math graduate students, and adjunct math instructors. For more information, please see <http://www.isu.edu/success/math/index.shtml>.
- **Academic Integrity:** Academic integrity is the pursuit of scholarly activity in an open, honest and responsible manner. Academic integrity is a basic guiding principle for all academic activity at Idaho State University, and all members of the University community are expected to act in accordance with this principle. All Idaho State University Policies regarding ethics and honorable behavior apply to this course (see <http://www.isu.edu/fs-handbook/part6/69/69a.html>).
- **Special Accommodations:** Idaho State University is committed to all students achieving their potential. If you have a disability or think you have a disability (physical, learning disability, hearing, vision, psychiatric) which may need a reasonable accommodation, please contact the ADA & Disabilities Resource Center located in Graveley Hall, Room 123, 282-3599 immediately upon your knowledge of this disability and follow their instructions as to informing the instructor. More detailed information can be found at: <http://www.isu.edu/ada4isu/>.