
Instructor: Dr. Yunrong Zhu Office: PS 328B Phone: 282-3819 E-Mail: zhuyunr@isu.edu

Office Hours: TR 10:00 am - 10:50 am, or by appointment

Textbook: *Precalculus*, 7th edition, by Cohen, Lee, and Sklar, with **required WebAssign access code**. (The WebAssign access code comes automatically bundled with the textbook options at the bookstore (loose-leaf or e-book). We will cover Chapters 3, 4 (except for 4.3), 5, A.3, 13.1-13.3 and some parts of 13.4 and 13.5.

WebAssign (Required): You should enroll in WebAssign right away for the online homework. WebAssign also provides optional video tutorials and practice quizzes. To get started using WebAssign, go to www.webassign.net and click on "I Have a Class Key". Enter the Class Key: **isu 3800 6170** and set up your account login information. You will be prompted for your purchased Access Code to gain full access for the entire semester. You must enter the purchased access code by **September 9**.

Prerequisites: Math 1108 with a C- or better, or demonstrated equivalent proficiency in Intermediate Algebra is required. Math 1143 assumes the material in Chapters 1 & 2 and Appendices A & B of the text; in particular, that you can accurately solve linear, quadratic and other basic equations and inequalities, factor, and correctly manipulate exponents. Review and work additional such problems as needed.

Course Objectives: Help the students to develop a thorough understanding of college algebra and problem-solving skills. We are going to explore the concept of function and its graph (domain, range, composition of functions, inverse functions), and basic transformations of graphs. We will also study functions including polynomial, rational, exponential and logarithmic and their graphs, with applications, as well as theory of polynomial functions and equations.

Calculator: Graphing calculator is required and will be allowed on exams with some exceptions. Any calculator that has a built-in Internet access, text, phone or Computer Algebra System (CAS) will NOT be allowed. Using such features during an exam amounts to cheating. The TI-83 is the departmental standard and is recommended. You are responsible for learning to use your calculator.

Homework: Homework from each section will be assigned on WebAssign after each section. Some written homework problems will also be assigned after each section. The written homework will be collected each week, **due at the end of Thursday's class** with possibly some exceptions. Show all work and include complete, clear explanations and justifications. **Staple** your homework together to avoid missing pages. To be prepared for the classes and exams, it is very important that you do the homework right after the section is covered. **NO later homework** is accepted for any reason, and any missing assignment will be 0. Your three lowest scores will be dropped.

Quizzes: Throughout the semester, at least seven in class quizzes will be given. The quiz questions are based on the homework (from both WebAssign and the suggested written homework) problems and examples shown in class. You must be present in the class to take the quiz, and **NO make-up quiz** will be given for any reason. You can drop the lowest two quiz scores.

Exams: There will be three in-class exams with the tentative schedule as follows:

- Exam #1: Tuesday Sep. 24, On Chapter 3**
- Exam #2: Tuesday Oct. 22, On Chapter 4**
- Exam #3: Thursday Nov. 21, On Chapter 5**

A **Common Cumulative Final Exam** will be on **Monday, Dec. 16, 3:00pm - 5:00pm, Room: TBA**, which will be graded by all MATH 1143 instructors. You must take the final exam at the scheduled time. You may use one 3 × 5 handwritten notecard (front and back) for the final exam. Some past final exams of MATH 1143 from 2011-13 could be found at <http://www.isu.edu/~stowdenn> (note the coordinator has changed this semester).

Makeup Exams: Students who have a valid documented reason, such as an unavoidable emergency, illness, or university commitments during regular examination times are permitted to schedule a makeup examination with no penalty. In such case, you must contact me or has somebody else contact me before the exam if possible, but no later than the next class meeting. To take the makeup exam, you must present the documentation for the emergency. Any missed exam will be 0.

Grading: : Students course grade will be based EXCLUSIVELY on HW (both WebAssign and the written homework), quizzes, three in-class midterm exams, and the final exam. There will be NO “extra credit” work. The weights are distributed as follows:

10% HW + 10% Quizzes + 18% Best Exam + 15% Middle Exam + 12% Lowest Exam + 35% Final.

You need a **C- or above** to use Math 143 as a prerequisite in another math class. The grade required to use Math 143 in other departments varies. Check with appropriate departments for details. Final course grades scale is:

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

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/policy/fs-handbook/part6/6_10/6_10b.html).

Extra Help: Do not hesitate to come to my office during office hours or by appointment to discuss a homework problem or any aspect of the course. Free tutoring is available from the Math Center in the Student Success Center, Rendezvous 327 in Pocatello and CHE Room 220 in Idaho Falls. Information is available at <http://www.isu.edu/success/math/index.shtml>. The 1 credit ACAD 1103 (College Learning Strategies for Math) could provide additional help.

ADA Policy: Idaho State University is committed to providing equal opportunity in education for all students. If you have a diagnosed disability or if you believe you have a disability (physical, learning, hearing, vision, psychiatric) that might require reasonable accommodation in this course, please contact the Disability Services Center, Rendezvous Building, Room 125 (282-3599) <http://www.isu.edu/disabilityservices>.