

California State University, San Bernardino
Department of Mathematics
Math 110-17 (23314), College Algebra, Winter 2012

Course and Instructor Information

Instructor: Lyudmila Shved
Office location: JB-522
Telephone: (909)-537-3624
Email: shvedl@csusb.edu (email is the best way to contact me)
Office hours: TR 2:30 P.M. – 3:30 P.M and by appointment
Class Days/Time: TR 4:00 P.M. – 5:50 P.M.
Classroom: TC-016

Course Description

Math 110 (4 units): function notation, graphs of linear, polynomial and rational functions, inverse functions, rational exponents, logarithmic and exponential functions, systems of linear equations, arithmetic and geometric progressions (material from Chapters 3, 4, 5, 9, and 10).

Course Goals/Objectives and Student Learning Objectives/Outcomes

Upon successful completion of this course, students will be able to:

1. Define and graph polynomial, rational inverse, exponential, and logarithmic functions.
2. Determine the zeros, the domain, the range, and the behavior in intervals, of polynomials and other functions.
3. Solve systems of linear equations using matrices.
4. Solve systems of non-linear equations by the use of substitution and/or elimination methods.
5. Work with exponential and logarithmic expressions or equations.
6. Work with arithmetic and geometric sequences and series.

Required Text and Materials

Textbook

College Algebra – Math 110, custom CSUSB edition by Swokowski and Cole with WebAssign access.

Materials

Textbook, notebook with paper (including graph paper), pencil, ruler, and eraser. Colored pencils or highlighters will be useful for graphing. Access to a computer with internet connection and printer is necessary.

WebAssign

You will need the access to WebAssign for this class (at home or in a computer lab on campus). I will use this website to assign homework, post documents, and announcements. It also will be the main tool of communication between you and me. Each new textbook is bundled with an access code, or you can buy access code separately (online or at the bookstore). Go to www.webassign.net to register using your access code and the following Class Key: **csusb 1267 1334**

Assignments (575 points)

- 1. Homework (100 points).** Homework will be assigned for each section covered in this course, and three lowest homework scores will not count toward your final grade. Doing your homework regularly is critical because learning mathematics requires practicing. If you don't practice, you won't get better. Some homework problems may be answered in class, but I encourage you to visit me during office hours to get your questions answered. If office hours are inconvenient for you, feel free to make an appointment with me or see a tutor to get help.
- 2. Quizzes (100 points).** There will be 7 quizzes worth 20 points each (usually taken on Thursdays). I will drop two lowest quizzes at the end of the quarter. There will be NO make-up quizzes given.
- 3. Exams (200 points).** You will be given two exams worth 100 points each. The lowest exam score will be replaced by the score of the final exam (percent-wise), if it is to your advantage. NO make-up exams will be given without notification prior to the exam date. Exam dates will be announced in class and/or on the WebAssign.
- 4. Final Exam (150 points).** The final will be held on **Tuesday, March 20, at 4:00 P.M.** This exam is comprehensive. There will be absolutely NO make-ups of the final exam. Students who do not show up for the final will be given a "NC". In order to pass this course, you must score at least 65% on the final.
- 5. Project (25 points).** One of the objectives of this course is to become more familiar with development and history of mathematics. To meet this requirement, you will be assigned a historical project. You will get your assignment during the tenth week of the quarter and will turn in your work on the day of the final exam.

Grading Policy

Below 70%: NC; 70%-78%: C; 78.1%-79.9%: C+; 80%-82%: B-;
82.1%-88%: B; 88.1%-89.9%: B+; 90%-92%: A-; 92.1%-100%: A.

Important Dates

Tuesday, January 10 – First day of class

Monday, January 30 – Census Day – last day to drop via MyCoyote without record.

Thursday, March 15 – Last day of class

Tuesday, March 20 – **Final Exam, 4:00 P.M.**

Tuesday, March 27 – Grades are available via MyCoyote

University Policies

Plagiarism and Cheating

Students are expected to conduct themselves in a professional manner at all times and be familiar with the University's Policy on cheating and Plagiarism. Please review this at (CSUSB 2010-11 Bulletin, pages 54-55). Instances of academic dishonesty will not be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person's ideas without giving proper credit) will result in a failing grade and sanctions by the University. For this class, all assignments are to be completed by the individual student unless otherwise specified.

Classroom Protocol

1. You are responsible for all material covered and announcements given in the class and/or posted on the WebAssign.
2. No food is allowed in the classroom.
3. Cell phones, laptops, iPods/mp3 players, and other devices capable of electronic communication must be **turned off** during lectures and exams (no texting please). These devices must not be visible during quizzes and exams.
4. DO NOT TALK during lectures. If you have a question, raise your hand, and will do my best to answer questions as time allows.

Dropping and Adding

You are responsible for understanding the policies and procedures about add/drops, academic renewal, etc. found at (CSUSB 2011-12 Bulletin, pages 48-49).

Campus Policy in Compliance with the American Disabilities Act

CSUSB Syllabus Policy (2.g) states that at a minimum, each course syllabus must contain a statement of ADA compliance (below are the 2007-08 official statements for supporting students with disabilities), and the reminder that it is the student's responsibility to seek academic accommodations for a verified disability in a timely manner.

Support for Students with Disabilities

If you are in need of an accommodation for a disability in order to participate in this class, please contact Services to Students with Disabilities at (909) 537-5238.

Where to get help?

1. I will be happy to help you during the office hours or at different times arranged in advance.
2. FREE tutoring is available at the Peer Tutoring Center, JB-391.
3. FREE tutoring is available at the Learning Center, UH-351, (909) 537-5038. You can check the schedules of tutors at <http://www-ugs.csusb.edu/lc/>