

Syllabus for Math 1050-90 - College Algebra Online

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THIS COURSE: College Algebra is one of the prerequisites for Calculus. A deep understanding of algebra and trigonometry is crucial to succeeding in a calculus course. The mathematics of chemistry, biology, architecture, and business all require the skills obtained in this course. We like to say: You can't be too healthy, too rich, or have too much mathematics!

PREREQUISITES: The prerequisite for this course is at least a C (preferably a B) in mathematics 1010 or its equivalent or an ACT score of at least 23 (within the last two years). Students are expected to already have the basic algebra skills contained in Appendix A: Review of Fundamental Concepts of Algebra.

TEXT & ONLINE MATERIALS:

- Canvas <https://utah.instructure.com>
- WebAssign <https://www.webassign.net/utah/login.html>
You will need to purchase access to WebAssign; this will also give you access to an e-book version of the textbook for no additional charge.
- *PRECALCULUS*, 9/e edition, Larson; Chapters 1-3, 7-9. Access e-book through "WebAssign" or obtain hardback version (for additional money).
- Our class web page <http://www.math.utah.edu/~macarthur/summer14/math1050.html>

IMPORTANT: See the document "**Textbook and WebAssign Information**" for your options about how to obtain course materials and how to enroll at WebAssign.

COMMUNICATION: All announcements for the course will be posted on the Canvas website (you can have these forwarded by Canvas to your e-mail or phone.) You may contact the instructor by e-mail or through either of the course websites. When e-mailing your instructor, please include "1050" in the subject line.

OFFICE HOURS: Tuesdays, Wednesdays, and Thursdays, 9:30-10:30 a.m.; and by appointment.

ADDITIONAL HELP: You may ask for my help on the Canvas discussion board or by email. Also, you can use:

Math Tutoring Center (drop-in tutoring and computer lab). It is in the underground passage between JWB and LCB, Room 155. See <http://www.math.utah.edu/ugrad/mathcenter.html> for hours.

Private Tutoring: University Tutoring Services, 330 SSB (they offer inexpensive tutoring). There is also a list of tutors at the Math Department office in JWB 233.

TECHNOLOGY: The majority of the course work can be done without a calculator. No calculators will be allowed on midterms or the final exam. Graphing calculators will be used in some lectures and may be allowed on portions of quizzes (scientific calculators will be sufficient). A Texas Instruments TI-84 calculator is used in the course videos. You are responsible to learn how to use your calculator.

GRADING: Grades are calculated as follows: Quizzes (15%), WebAssign (15%), Midterms (40%) and Final Exam (30%). A score of 73% is required for a C, which is the prerequisite to take the next class. You should monitor your course grade throughout the semester by looking at "Grades" in Canvas. The document "**Borderline Grades**" gives more information about how grades are determined.

GRADING SCALE: The grade scale will be: A (93-100), A- (90-92), B+ (87-89), B (83-86), B- (80-82), C+ (77-79), C (73-76), C- (70-72), D+ (67-69), D (63-66), D- (60-62), E (0-59).

DATES:

Exams (You must schedule a time between the dates below.) Exam 1: Wed 6/4 – Sat 6/7 Exam 2: Mon 6/30 – Thurs 7/3 Final: Tues 7/29 – Fri 8/1	Other dates: Add Date (no instructor permission): Sun 5/18 Drop date: Wed 5/21 Add Date (with instructor permission): Tues 5/27 Withdraw date: Fri 6/20	WebAssign HW due each Monday at 11pm Online Quiz each Friday-Sunday; due Sunday at 11pm Including exam weeks
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COMPONENTS OF THE COURSE:

Reading from your text book.

Watching the video lectures – these have been prerecorded by multiple instructors. They are available on in both streamable and downloadable versions at <http://www.math.utah.edu/lectures/math1050.html>. (Bookmark that page.)

Solving Problems: Working through problems helps you understand and master the material. There are **graded homework problems on WebAssign** (due Monday nights at 11 pm; worth 15% of grade; the five lowest scores will be dropped in the grade calculation. The drop will occur in Week 12.) There are also optional problems after the videos, listed on Canvas. These are not graded, but are useful because you have the full solution.

Online quizzes (one quiz **each week**; 40 minutes to take quiz and you must take it in one block of time; access quizzes on Canvas from 1 am Friday and until 11 pm Sunday; worth 15% of grade; the two lowest quiz scores will be dropped in the grade calculation in week 12). You will be able to review your quiz on the Monday following the quiz.

The quizzes are graded by the computer – which looks for an exact match with the solution key and does not give partial credit. However, you can **receive retroactive partial credit** for answers if you can explain what about the work that went into obtaining your incorrect answer was correct, identify your mistake, and describe how to solve the problem correctly. To request partial credit, select the “GRADES” option in Canvas and then select the quiz. For each problem for which you would like partial credit, write the problem number and your request in the “Add a Comment” box. See the document, “**How to Request Partial Credit on Quizzes**”, for examples of requests. Submit requests by the Thursday following the quiz.

Exams: There will be two midterm exams and a comprehensive final exam at the end of the semester. You must schedule your exams at: www.uonline.utah.edu. Exams will be administered at the Uonline testing center (in the Marriot Library), at a satellite testing center (in Sandy, Bountiful, or Murray) or if you are out of area, with a proctor that you set up (and register with Uonline). There will be practice material provided prior to each exam. You are not allowed to use notes, a calculator, textbook, or phones during the exam. More information about exam center policies is in the “**Taking Exams**” document, located on the class web page.

Extra Credit: Extra credit (worth up to 3+ WebAssign assignments) can be earned for participating in online discussions (by asking or answering questions with significant mathematical content), or by spotting errors in course materials. See “**Extra Credit Information**” document for details.

For more information, see the following documents on our class web page:

Is an online Math Class Right for You?
Textbook and WebAssign Information
Taking Exams
Extra Credit Information
Questions not Covered Elsewhere
Borderline Grades

RECOMMENDED APPROACH TO USING COURSE MATERIAL:

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Office hour 9:30 - 10:30 am	Office hour 9:30 - 10:30 am	Office hour 9:30 - 10:30 am			Figure out (with help) any remaining problems; be ready to start the next section on Monday.
For 2-4 sections: read textbook, print off blank lecture slides, watch video lectures, work on practice assignments (after video problems and textbook problems), and start WebAssign problems.						
				Take quiz on Friday-Sunday		
Watch for announcements, read and participate in online discussions, ask questions!						

Americans with Disabilities Act requires that reasonable accommodations be made for students with physical, sensory, cognitive, systemic, learning, and psychiatric disabilities. Please contact me *at the beginning of the semester* to discuss any such accommodations for the course.

LATE POLICY: Unexpected events arise – you get sick, called into work, have computer or Internet problems, get back late from a trip, etc. In order to provide you with a buffer and have a policy that is manageable to implement for a large class, the two lowest HW and quiz scores will be dropped (in the last week of the term). If you know you will have a time conflict/busy week/ be away, etc., please contact me ahead of time. We will make arrangements for you to complete the assignment, quiz, or exam early.

Except for Quizzes 1 and 2, there are no late or make-up quizzes. If you have technical problems with your WebAssign/Quizzes, you need to contact me at least one day BEFORE their deadlines are up so that they can be reset. (That is why it is advised to work on assignments early.) Also, contact the Uonline support team (801-581-6112) to resolve the problem.

If there is a BIG, UNANTICIPATED circumstance beyond your control that prevents you from taking a quiz or exam, or completing your HW, please contact me in a timely manner with documentation by a third party (for example, a Dr.'s note) and we will discuss options.