

**INSTRUCTOR:** Kristin Cartwright

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**Consultation:** Monday-Thursday 6:00am-7:00am and by appointment

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Time	Days	Where	Date Range
7:00-7:50am	MTWH	HTC 111 MW HTC 207 TH	Aug 21, 2013 - Dec 12, 2013

**SLCC is committed to fostering and assessing the following student learning outcomes in its programs and courses:**

- Acquiring substantive knowledge in the field of their choice
- Developing quantitative literacies
- Developing the knowledge and skills to be civically engaged
- Thinking critically
- Communicating effectively

**REQUIRED MATERIALS:**

- **MyMathLab access for Intermediate Algebra 9th Edition (NEW EDITION this semester!)**  
By: Marvin L. Bittinger & David J. Ellenbogen (Publisher Pearson). A MyMathLab access code may come packaged with NEW textbooks or can be purchased separately at a bookstore or online directly from <http://pearsonmylabandmastering.com/>

Students can also gain temporary access for 17 free trial days at the website.

- **A large, dedicated math notebook** for section outlines, lecture notes, and working online homework and quiz problems.

**RECOMMENDED MATERIALS:**

- **Intermediate Algebra 9<sup>th</sup> Edition (NEW EDITION this semester!) Textbook** By: Marvin L. Bittinger & David J. Ellenbogen (Publisher Pearson). The complete textbook is available online as an eBook with your MyMathLab access; however most past students recommend that you also have a paper copy of the text. Note that some websites offer rentals and that PJ's College Books carried a discounted spiral version for this course that comes with MyMathLab access (they did this for the 8<sup>th</sup> edition of the book, not sure if they have it for this new 9<sup>th</sup> edition yet).
- **You will need a scientific calculator** for approximation of radicals and logarithmic expressions on homework and projects for this class. Note that it is a SLCC Mathematics departmental policy in the Math 1010 course that a graphing calculator will NOT be allowed on any exams including the midterm exams and the final exam. I like the TI-30X IIS and it is cheap, but any scientific calculator at all that has a "log" button will do just fine.

Start by going to:

[www.pearsonmylabandmastering.com](http://www.pearsonmylabandmastering.com)

Click here!

Register  
Need access? Start here.

Student

Educator

Enter Your Course ID

Course ID professor12345

Continue

**COURSE ID: cartwright63997**

**INTRODUCTION:** Welcome to MATH 1010! Please read this syllabus carefully. It will answer most of the questions you may have about how MATH 1010 fits in with your goals as a student at Salt Lake Community College and will detail the requirements you must meet to complete the course. MATH 1010 Intermediate Algebra provides the necessary background for: MATH 1030 Quantitative Reasoning, MATH 1040 Introduction to Statistics, MATH 1050 College Algebra, and MATH 1090 College Algebra for Business Students

**PREREQUISITES:** This course is for students who have successfully completed an introductory algebra course, such as MATH 0990, with a grade of C or better **within the past year**, or who otherwise qualify by virtue of acceptable CPT or ACT scores achieved **within the past year**. Substitutions for the introductory algebra course include an ACT score of 18 or better, or a CPT score of at least 54 on the Elementary Algebra section. **If you do not have documentation for one of these prerequisites within the past year, you must enroll in a math class appropriate for your background.** Students enrolling in MATH 1010 must have also completed RDG 0900 or achieved an appropriate CPT score.

Students taking MATH 1010 need to have a solid foundation in arithmetic, including operations involving fractions, decimals, percent, signed numbers, and positive exponents. Prerequisite algebra skills include a working knowledge of polynomial operations, including factoring, 2D coordinate systems, slope and intercept, absolute value, and square root, and the ability to solve linear equations as well as two equations in two unknowns. Elementary algebra topics will be covered only briefly and in conjunction with new material. Students should review the material independently.

**COURSE DESCRIPTION:** This course covers in more depth basic algebra concepts introduced in Elementary Algebra. Topics of study include: linear equations and inequalities; quadratic equations; polynomial and rational expressions; radicals and complex numbers; exponential expressions (negative and rational exponents) and logarithmic expressions; linear systems of equations; introduction to conic sections; introduction to functions. Graphing of functions will be done by hand. Real world applications of algebra will be addressed throughout the course.

**COURSE OBJECTIVES:** Upon completion of this course students should:

1. Have competent algebraic skills for: three by three linear systems with unique solutions; operations with polynomials, radicals, rational expressions, and absolute values; and have competent algebraic and graphic skills for: equations of lines, two by two systems, inequalities, and the quadratic equation.
2. Understand how linear equations, quadratics, systems, radicals, and graphs relate to realistic applications.
3. Advance readily to higher-level college mathematics courses.

## TECHNOLOGY REQUIREMENTS FOR THIS COURSE

**CALCULATOR:** You will need a scientific calculator for approximation of radicals and logarithmic expressions on homework and projects for this class. Students are expected to be able to perform basic

calculations, such as addition of fractions, without a calculator. It is a SLCC Mathematics departmental policy in the Math 1010 course that a **graphing calculator will NOT be allowed on any exams including the final exam**. In addition, a **cell phone/PDA or any device capable of connecting to the internet may not be utilized on any in-class quiz, exam or on the final exam**.

**COMPUTER REQUIREMENTS:** Some course content, including learning modules, video clips, worked examples, homework assignments, quizzes, tests, announcements, and other course information are located in our class *MyMathLab* site accessed through <http://pearsonmylabandmastering.com/> . This class will meet in a computer lab two days each week and there are computer labs available on campus for your use. Due dates will not be adjusted for individual connection problems, so please identify some alternative options should your primary computer or connection have a problem. The math lab at Redwood in the basement of the library, the learning centers, the SLCC library, public libraries, etc. are all locations where you can complete your coursework even if you are having access problems at home.

**TECHNICAL PROBLEMS:** For *MyMathLab* technical support you can chat, phone, or email. Visit [http://mymathlab.com/contactus\\_stu.html](http://mymathlab.com/contactus_stu.html) to contact them. If the *MyMathLab* site is not working, try going to the “backdoor” at <http://www.mathxl.com> and clicking on the *MyMathLab* User log-in at the bottom of the screen. To use a home computer, it must meet minimum system requirements (detailed here <http://pearsonmylabandmastering.com/system-requirements/>) to work with <http://pearsonmylabandmastering.com/> and the *MyMathLab* program

## COURSE STRUCTURE AND ASSESSMENTS

This class will meet two days each week in a regular classroom for lectures and two days each week in a computer lab for group learning and for individual help and time to work on computer assignments. Attendance at all four class meetings each week is required. Each section in the textbook will have a **pre-class** online readiness quiz and an online homework assignment. There will be four module reviews and four module tests, and a comprehensive departmental final exam.

**ATTENDANCE:** Attendance at each lecture day and each lab day is required. On some lab days you will participate in group activities and on other days you will have time to work individually or with your classmates and instructor.

**READINESS QUIZZES:** For each section covered in the textbook you will have a short online readiness quiz due **before the lecture day** where we work more on that section. These quizzes are an assessment to see if you have understood the basic concepts and definitions from that section. You may retake each quiz up to 5 times if you are not happy with your score, **up until the due date**. The highest score for each quiz will count towards your course grade. You must complete an entire quiz in a single log-in session.

**HOMEWORK:** Each section covered in the textbook will have an online homework exercise set. Your homework assignments will be completed online in *MyMathLab*. The best way to do online homework is to work problems in a notebook first, being careful to label each section and problem and working neatly as you would for written homework. Then enter your solutions online. You can copy the problems by hand or you can use the “print homework” feature of *MyMathLab* to print out the problems in the exercise set. The important part is to keep the steps you do for each problem easily accessible and organized as you will use this same notebook to study for the midterms and final exam. You may redo and resubmit homework assignments as many times as you like up to the due date. Your last score will be the one recorded for each assignment. Due dates are listed in *MyMathLab*. Some sections take longer than others to understand and complete. Working ahead of the schedule will allow you to ask questions and spend more time on the longer assignments.

**\*\*Finish your homework assignments and quizzes before the due date!\*\*** Internet access problems could prevent you from being able to finish assignments if you wait until the last day. Plan ahead so you won't be affected.

**MODULE REVIEWS:** For each of the four module tests, an online review is to be completed prior to the in-class review. Additional instructions for these reviews will be provided in class.

**EXTENDED REVIEWS:** When the required Module Review is submitted, MyMathLab will automatically create a personalized extended review based on the questions missed in the original review. Working the Extended Review problems will help prepare you for the Module Tests.

**MODULE TESTS:** The four module tests will be taken in class (not on the computer) and you will show your work. **No test scores will be dropped.** All examinations will be closed book. A scientific calculator may be used on tests. A graphing/programmable calculator/cell phone/PDA may **NOT** be used on any test. Full credit will be awarded on test problems only if your work can be readily followed and solutions are precise and clearly indicated.

If a student cannot take the test during the scheduled class period due to a vacation, sickness etc, the student must work it out to take the test in the Redwood Testing Center within 2 class days. This must be worked out with the instructor **before the day/time of the test, and an appointment must be made.** Details about testing center can be found at <http://www.slcc.edu/elearning/testing/index.aspx>

**PROJECTS:** All Math 1010 courses at Salt Lake Community College require projects. There will be two required projects in Math 1010 this semester. These projects are designed to allow students to examine “real-world” applications using technology as a tool. You are encouraged to work with other students in the course to complete these projects but each student must submit their own project.

**FINAL EXAM:** The final exam will be taken on the date specified below. Your instructor will announce the exact location. **Students should make arrangements with employers now to be free at the appointed time:**

**Monday, December 9th, 3:40 pm – 5:40 pm**

A scientific calculator may be used on the final exam. A graphing/programmable calculator/cell phone/PDA may NOT be used on the final exam. All students must take the final exam. The final will be a standardized department examination emphasizing topics listed under the course objectives. **It is an SLCC Math**

**Department policy that students attaining a score of less than 60% on the final shall receive a grade no higher than "D" for the course.**

It is highly recommended that students study for the final exam by working as many problems as possible from the final review packet. There are past final exam packets available for students to purchase at the bookstore or download at the following website: <http://slccmathdepartment.yolasite.com>

**General Education ePortfolio**—Each student in General Education courses at SLCC maintains a General Education ePortfolio. Instructors in every Gen Ed course will ask you to put at least one assignment from the course into your ePortfolio, and accompany it with reflective writing. **It is a requirement in this class for you to add to your ePortfolio**, and this syllabus details the assignments and reflections you are to include. Your ePortfolio will allow you to include your educational goals, describe your extracurricular activities, and post

your resume. When you finish your time at SLCC, your ePortfolio will then be a multi-media showcase of your educational experience. For detailed information visit <http://www.slcc.edu/gened/eportfolio> .

After you have picked an ePortfolio platform, go to the corresponding help site to watch the tutorials and look at the examples so you can get started on your own:

<https://sites.google.com/site/slccport>

<http://slccportfolio.wordpress.com>

<http://slccportfolio.weebly.com>

If you would like to start your ePortfolio in a computer lab with a person there to help you, sign up online for one of the **free workshops** at the Taylorsville-Redwood library:

<http://libweb.slcc.edu/services/forms/eportfolio>. You may also visit an **ePortfolio Lab** (in the Taylorsville-Redwood Library LIB 047 as well as in HTC 102a on the Jordan Campus) during business hours, and staff will help you without an appointment. Finally, questions regarding the ePortfolio can be directed to [eportfolio@slcc.edu](mailto:eportfolio@slcc.edu).

**You must link the homepage for your ePortfolio to your SLCC MyPage account so I can view it. For instructions on how to do this visit**

[http://www.youtube.com/watch?v=qxN6VXg11Dc&feature=player\\_embedded#!](http://www.youtube.com/watch?v=qxN6VXg11Dc&feature=player_embedded#!) .

**MATH EMPORIUM TRANSFERS:** The Mathematics Department allows students that are performing undesirably in M1010 the option to **transfer** into the Developmental Math Emporium **within the first 6 weeks** of the semester. This is solely the choice of each individual student; it is not mandated nor assisted by instructors. If you deem it wise to (re-) complete all the modules of the Emporium before you attempt to retake M1010, then you may transfer out of M1010 and into the Emporium up through Friday, September 27<sup>th</sup>. No such transfers will be allowed after that date. If a student wants to exit M1010 without transferring into the Emporium or exit M1010 after the above deadline, then the student must formally drop or withdraw from the course by the deadlines found in the current academic calendar.

Once you have successfully passed all modules of the Emporium, then you may again re-register for M1010 and attempt to complete the entire course. Any student that thinks they may benefit from becoming more familiar with prerequisite material is encouraged to take advantage of this opportunity to learn and succeed (especially once you have obtained results from your first M1010 exam). Interested students will need to fill-out the **transfer form** and directly submit it to the Mathematics Chairwoman, Suzanne Mozdy, by the above deadline. The transfer forms are available online at:

[slccmathdepartment.yolasite.com](http://slccmathdepartment.yolasite.com).

Follow the links “Fall 2013” and then “Math 1010”

**CLASS SCHEDULE:** **Attached is a schedule for the course.** This schedule will be followed as closely as possible; however, some modifications may be necessary during the semester. I will announce all modifications in class.

**PERMANENT FOLDER:** In case of human or computer error, it is recommended that you keep all homework, labs, and exams in a folder until you have received a grade for the course.

**CHEATING POLICY:** Students found cheating on an assignment or test will receive zero for that work. If there is a second offense of cheating, the student will fail the course.

**WITHDRAWAL POLICY:** The last day to **drop** with 100% refund is September 11<sup>th</sup>. The last day to **withdraw** from a course with no refund is October 25<sup>th</sup>. No withdrawals will be approved after that date.

**CLASSROOM DEPARTMENT:** Each student is responsible for her/his own behavior. Any student who shows a pattern of disrespect for others, or who at any time displays flagrant disrespect for others, will be subject

to penalties as per the student code of conduct. All students are expected to follow the SLCC Student Code of Conduct found at:

<http://www.slcc.edu/policies/docs/stdtcode.pdf>.

**GRADING:** Grades will be awarded as follows:

Assignment	Percent of final grade
In Class Module Tests	40%
Homework in MML	10%
Readiness Quizzes in MML	5%
Projects (including e-portfolio)	10%
Extended Reviews	5%
Attendance	5%
Final Exam	25%

A	93-100%	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%	E	Below 60%

**Heed:** It is an SLCC Math Departmental policy that students attaining a score of less than 60% on the final shall receive a grade no higher than "D" for the course.

**ACCOMMODATIONS:** Students with medical, psychological, learning or other disabilities desiring accommodations or services under ADA, must contact the Disability Resource Center (DRC). The DRC determines eligibility for and authorizes the provision of these accommodations and services for the college." Please contact the DRC at the Student Center, Suite 244, Redwood Campus, 4600 South Redwood Rd, 84123. Phone: (801) 957-4659, TTY: 957-4646, Fax: 957- 4947 or by email: [linda.bennett@slcc.edu](mailto:linda.bennett@slcc.edu)

**MATH 1015 WORKSHOP CLASS:** The Mathematics Department offers a supplemental workshop to accompany this course. MATH 1015 Intermediate Algebra Workshop is a 1 credit hour course that provides a 2 hour opportunity per week for registered students to ask questions on any topic in MATH 1010 and gain additional practice solving problems through collaborative learning with other students. See the current class schedule for course offerings this semester and MyPage to register for the course.

**EXTRA HELP:** The methods for success in Intermediate Algebra are trite: read the text, participate in class, take good notes and read them, and keep up on assignments (practice, practice, practice). Many students find that forming study groups with other students is also an effective way to help them learn, but take heed, working in study groups does not substitute for independent study; it is merely a catalyst. Registering and attending the Math 1010 Workshop (above), i.e., **Math 1015**, may also prove helpful. If you need extra help, free tutoring is available in the **Math Lab**, which is located in room 042C downstairs in the Library, and the **Learning Centers** (phone 801-957-4172) at Redwood Campus TB213, South Campus N308, Sandy Campus Bldg. B, and Jordan Campus Room 102. A list of private tutors that may be hired is also typically available in the Learning Centers.

### GENERAL EDUCATION STATEMENT

This course fulfills the Quantitative Studies (QS) requirement for the General Education Program at Salt Lake Community College. It is designed not only to teach the information and skills required by the discipline, but also to develop vital workplace skills and to teach strategies and skills that can be used for life-long learning. General Education courses teach basic skills as well as broaden a student's knowledge of a wide range of subjects. Education is much more than the acquisition of facts; it is being able to use information in meaningful ways in order to enrich one's life. While the subject of each course is important and useful, we become truly educated through making connections of such varied information with the different methods of organizing human experience that are practiced by different disciplines. Therefore, this course, when combined with other General Education courses, will enable you to develop broader perspectives and deeper understandings of your community and the world, as well as challenge previously held assumptions about the world and its inhabitants.

# MTWH Math 1010 Fall 13 Tentative Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
8/19	8/20	8/21 <b>Classes Begin</b> Intro 1.3	8/22 MyMathLab Lab	8/23
8/26 2.2, 2.3	8/27 Linear Functions Lab	8/28 2.4, 2.5	8/29 <b>Last Add</b> Lab	8/30 <b>1.3-2.5 HW due</b>
9/2 <b>Labor Day</b> <b>NO CLASS</b>	9/3 Linear Modeling Lab	9/4 <b>Tuition Due</b> 3.2, 3.3	9/5 Lab	9/6 <b>3.2-3.3 HW due</b>
9/9 3.4	9/10 Absolute Value Inequalities Lab	9/11 <b>Last Drop Day</b> 4.1, 4.2	9/12 Lab	9/13 <b>3.4-4.2 HW due</b>
9/16 4.3, 4.4	9/17 Linear Programing Lab	9/18 Review, <b>Mod 1 Review due</b>	9/19 <b>Module 1 Test</b>	9/20 <b>4.3, 4.4 HW due</b>
9/23 5.3, 5.4, 5.5 <b>Project 1 due</b>	9/24 Factoring Lab	9/25 5.6, 5.7, 5.8	9/26 Lab	9/27 <b>5.3-5.8 HW due</b>
9/30 6.1, 6.2	10/1 Fractions Lab	10/2 6.3, 6.4	10/3 Lab	10/4 <b>6.1-6.4 HW due</b>
10/7 6.5	10/8 Long Division Lab	10/9 6.6, 6.8	10/10 Lab	10/11 <b>6.5-6.8 HW due</b>
10/14 Review, <b>Mod 2 Review due</b>	10/15 <b>Module 2 Test</b>	10/16 1.6, 7.1, 7.2	10/17 <b>Fall Break</b> <b>NO CLASS</b>	10/18 <b>Fall Break</b> <b>1.6-7.2 HW due</b>
10/21 7.3, 7.4	10/22 Radical Lab	10/23 7.5, 7.6	10/24 Lab	10/25 <b>Last Withdraw</b> <b>7.3-7.6 HW due</b>
10/28 7.7	10/29 Complex Numbers Lab	10/30 7.8	10/31 Lab <b>Project 2 due</b>	11/1 <b>7.7, 7.8 HW due</b>
11/4 Review, <b>Mod 3 Review due</b>	11/5 <b>Module 3 Test</b>	11/6 9.2, 9.6	11/7 Lab	11/8 <b>9.2, 9.6 HW due</b>
11/11 9.3, 9.5	11/12 Quadratic Functions Lab	11/13 8.1, 8.2	11/14 Lab	11/15 <b>9.3, 9.5</b> <b>8.1, 8.2 HW due</b>
11/18 8.3, 8.4	11/19 Lab	11/20 8.6, 8.7	11/21 Lab	11/22 <b>8.3-8.7 HW due</b>
11/25 8.8, 10.1	11/26 Review, <b>Mod 4 Review due</b>	11/27 <b>Module 4 Test</b>	11/28 <b>Thanksgiving</b> <b>NO CLASS</b>	11/29 <b>Thanksgiving</b> <b>8.8, 10.1 HW due</b>
12/2 Final Review	12/3 Lab	12/4 Final Review	12/5 <b>Last Day</b> Lab	12/6 <b>Reading Day</b> <b>NO CLASS</b>
12/9 <b>FINALS</b> <b>Final Exam</b> <b>3:40pm-5:40pm</b>	12/10 <b>FINALS</b>	12/11 <b>FINALS</b>	12/12 <b>FINALS</b> <b>Graduation</b>	12/13 <b>Grades available Dec</b> <b>18</b>

