Salt Lake Community College
Mathematics Department

MATH 1010
INTERMEDIATE ALGEBRA
FALL SEMESTER 2016

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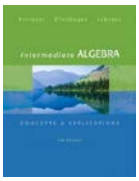
REQUIRED MATERIALS:

- *MyMathLab* access for Intermediate Algebra 9th Edition by Marvin L. Bittinger & David J. Ellenbogen (Publisher Addison Wesley). A *MyMathLab* access code may come packaged with NEW and USED 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.

RECOMMENDED MATERIALS:



Intermediate Algebra 9th Edition by Marvin L. Bittinger & David J. Ellenbogen (Publisher Addison Wesley)**.** The complete textbook is available online as an eBook with your *MyMathLab* access; however many past students recommend that you also have a paper copy of the text. Note that some websites offer rentals.

INTRODUCTION: Welcome to Intermediate Algebra. Please read this syllabus carefully. Intermediate Algebra provides the necessary background for MATH 1050 College Algebra, MATH 1080 Pre-calculus, 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 0980 or 0990, with a grade of C, preferably better, or who otherwise qualify by virtue of acceptable CPT or ACT scores achieved within the past year. Students taking Math 1010 need to have a solid foundation in arithmetic, including operations involving fractions, decimals, percent, signed numbers (integer arithmetic), and positive exponents. Prerequisite algebra skills include a working knowledge of polynomial operations, including adding/subtracting like terms, basic graphing in a 2D rectangular coordinate systems, finding slope and equations of lines, intercepts, absolute values, and square roots, 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 this material independently.

COURSE DESCRIPTION: This course covers in more depth basic algebraic concepts introduced in Elementary Algebra and introduces some topics more thoroughly covered in College Algebra. Topics of study include: Graphing, which will be done by hand; polynomial multiplication; factoring polynomials;

solving/graphing quadratic equations; solving 3x3 linear systems of equations; simplifying polynomial and rational expressions, radicals, exponential expressions/functions, both with negative and rational exponents, logarithmic expressions; introductions to functions, conic sections, and the arithmetic of complex numbers. Mathematical modeling/applications of algebra will be addressed throughout the course.

COURSE OBJECTIVES: Upon completion of this course students should:

1. Have competent algebraic, geometric, and numeric skills for performing all listed in the "course description."
2. Understand how linear equations, quadratic equations, linear systems, radicals, exponential and logarithmic functions, and graphs relate to realistic applications.
3. Advance readily to higher-level college mathematics courses, e.g., college algebra.

ATTENDANCE: Class attendance is **expected**. Regular attendance is typically essential to achieve satisfactory results. It is the student's responsibility to be aware of all material covered, tests dates, and assignment due dates.

CALCULATOR POLICY: A scientific calculator is required from time-to-time for approximation of radicals and logarithmic values, and the like. Use of calculator graphing features will not be emphasized on exams. **It is a departmental policy in the Math 1010 course that a programmable/graphing calculator will not be allowed on any in class quiz, exam or the final exam.** Prohibited calculators include the TI83, TI84, TI86, TI89, TI92, TI-Nspire, HP 48SX, HP 48GX, as well as other models and brands. Students are expected to be able to perform basic calculations, such as addition of fractions or finding exact values, **without a calculator**. While some homework problems and projects may require the use of a graphing calculator or software package, questions on in-class exams will test basic facts that must be understood. Your performance will be measured primarily on your understanding of the concepts and your competency to perform valid symbolic manipulations rather than your ability to exploit technology to get answers. **Full credit will only be awarded on exam questions when answers are justified by a legible and deductively correct argument.**

A current example of an acceptable scientific calculator is a TI30. It is the instructor's prerogative to give *regular* exams or portions of *regular* exams that do not allow a scientific calculator.

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**.

HOMEWORK: Regular practice is essential for success in mathematics; you should be prepared to spend at least two hours studying outside of class for each hour of class time. You will use *MyMathLab* to complete your homework on-line. You can access *MyMathLab* directly through the course Canvas page.You will need a "Student Access" code (you can purchase these on-line at: http://www.pearsonmylabandmastering.com/northamerica/mymathlab/) . The homework will be due before the day of the corresponding exam. It is your responsibility to be aware of the due dates. Late homework will have 5% deducted from the grade.

QUIZZES: You will take quizzes using *MyMathLab*. The quizzes correspond to the chapters that we cover as well as the homework assignments. The quizzes will be due before the day of the corresponding exam. You are able to take each quiz up to three times. There are no make-up quizzes, but I will re-open all quizzes for the last week of the semester.

CONCEPT QUIZZES: There will assign eight Concept Quizzes. Each quiz corresponds to the topics of an assigned chapter from the text. Quizzes vary from 4 to 6 questions. The questions are meant to be somewhat open ended and should provide students with an opportunity to explore topics beyond rote procedural skills. Instructors will provide the details of how and when the quizzes will be assigned.

SIGNATURE ASSIGNMENT (GROUP PROJECTS): Instructors will typically assign 2 projects to be completed throughout the semester (students do not have to work in groups). At least one of these will have to be submitted in your e-Portfolio (see below). Details and due dates will be discussed in class. These projects can be found in your course's Canvas site.

REGULAR EXAMS: There are typically four regular exams during the semester and a comprehensive departmental final exam. All tests after the first one will be on a cumulative basis. Regular exams will typically be taken during a regularly scheduled class period. All examinations will be closed book and no written notes of any kind are allowed. A standard scientific calculator may be used on regular exams as per your instructor's prerogative. A graphing/programmable calculator/cell phone/PDA or any device capable of connecting to the internet is **NOT** allowed on any test. Full credit will only be awarded on exam questions when answers are justified by a legible and logically valid argument. Exam dates will be discussed in class by your instructor.

COMPRENSIVE FINAL EXAMINATION: The final exam will be taken during finals week, which is December 10^{th} – 15^{th}. Your instructor will announce the exact location of the final exam near the end of the semester. Students should check online and/or with their instructor to confirm their actual final exam day, time, and location. **Students should make arrangements with employers now to be free at the scheduled final exam time.**

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.

Final exams are not given early and the final exam may only be taken **once**. The final exam is a standardized departmental comprehensive examination. **All students must take the final exam to pass the class**. A scientific calculator may be used on the final exam. A graphing/programmable calculator/cell phone/PDA or any device capable of connecting to the internet is not allowed on the final exam.

Past final exam question packets designed for use in reviewing for your final exam may be purchased from the bookstore and might be available for download on your course's Canvas site. **It is highly recommended that students study for their final exams by working as many problems as possible from past committee final exams.**

GRADING: Grades are weighted as follows:

Assignment	Percent of final grade
Homework	10%
Quizzes	10%
Concept Quizzes	5%
Projects	5%
Tests	45%
Final Exam	25%

Final letter grades will be awarded on overall percentage scores as follows:

A	100-93%	C	76-73%
A-	92-90%	C-	72-70%
B+	89-87%	D+	69-67%
B	86-83%	D	66-63%
B-	82-80%	D-	62-60%
C+	79-77%	E	Below 60%

Heed again: 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.

Electronic Devices in the Classroom: Absolutely **no** video or audio recording in the classroom is allowed without *prior written authorization from the instructor*. Cell phones and other electronic devices should be in silence mode during lectures, tests, and final exams. Such devices should not be on the desk during lectures, tests, and final exam. In case of emergency, students should exit the classroom before they e-mail, text, or use their cell phones. If students choose to use a computer or electronic device to take notes, they may do so without distracting their classmates. Computer activities that are not related to the class directly should not be done during class time. Students who text, talk on the cell phone, or use their computers to do activities not directly related to the class will be asked to leave the classroom.

Frequent Canvas Grade Checks: Grades are recorded and computed in Canvas throughout the semester. It is *highly* recommended that students *regularly* check their current grades entered in Canvas after each exam is taken and after each assignment is submitted. If a claimed discrepancy is spotted, it is the students' responsibility to very promptly contact the instructor about it and provide the physical exam or assignment, or the e-portfolio link for verification of the completed work.

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.

ACADEMIC HONESTY: As per the student code of conduct, it is the instructor's prerogative to either fail a student on a particular assignment for which they were caught cheating or fail that student for the entire course.

Drop/Withdrawal Dates and Policies: The last day to **drop** with 100% refund is September 14th. The last day to **withdraw** from a course with no refund is October 28th. **HEED NOW: Absolutely NO withdraws will be approved after this date!** The college is very generous with such long extended withdraw deadlines. It is the students' responsibility alone to be aware of the dates and act accordingly. Note also that students' class status will **not** be changed to **audit** by the instructor after the students' deadline to do so themselves.

Incomplete Policy: The grade of Incomplete is given only in certain very rare cases. Typically, an incomplete is given if the student needs extra time to complete a very limited portion of the course, e.g., the Final Exam, due to some good reason, e.g., being ill in a hospital. Incompletes are not given to repeat half, most, or the entire course, nor are they given to extend time to learn course material better. At least 70% of the course material must be completed and the student must be passing the course before an incomplete is even a possibility as per college policy/definition.

Neither incompletes nor audits will be allowed to be abused as a way to avoid an undesirable grade or withdraw.

Holidays: Labor Day, Monday, September 5th; fall break, Thursday and Friday, October 13th and 14th, respectively; Thanksgiving, Thursday and Friday, November 24th and 25th, respectively.

Accommodations: SLCC values inclusive learning environments and strives to make all aspects of the College accessible to our students. If you have a disability and believe you need accommodations to improve access to learning materials or the learning environment, please contact the Disability Resource Center: (phone) 801-957-4659; (email) drc@slcc.edu; (website) www.slcc.edu/drc.

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 **Learning Centers**; for details visit: http://www.slcc.edu/tutoring/index.aspx. A list of private tutors who may be hired is available in the Learning Centers. The internet is full of resources that could be used for this class. You are encouraged to explore. Individualized and small group tutoring is available (and free) to students through **Focused Tutoring.** Students need to apply to be matched with a tutor for the semester. Tutoring can be arranged at other campuses depending on tutor and student schedules. Contact Jennifer Fasy for more information (Jennifer.fasy@slcc.edu; 801-957-4138) or visit: http://www.slcc.edu/focusedtutoring/index.aspxA list of private tutors that may be hired is also typically available in the Learning Centers.

CLASSROOM DEPORTMENT: 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.

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.

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 literacy;
Developing the knowledge and skills to be civically engaged;
Thinking critically;
Communicating effectively.

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.

New ePortfolio Introduction Video. This great three-minute video for you to watch.
https://www.youtube.com/watch?v=-Pn3AAts1-4

Salt Lake Community College and Utah Valley University have jointly adopted Digication as the default ePortfolio tool for all students. New students will use Digication for ePortfolio creation, but most students have a Web 2.0 portfolio they already created. This is very important: If you already have an established portfolio with Weebly, Wordpress, Wix, etc., we will not be asking you to change to Digication. "If you have an existing portfolio with rich content in it, keep it and keep working to improve it as a showcase of your learning. If you haven't yet started an ePortfolio, start one with Digication when it becomes available in a few weeks. If you have an existing portfolio with very little in it, consider moving that content to a Digication portfolio because setting up all the new blank pages is literally a matter of one click."

Finally, read and be aware of the regulations set forth in the current Class Schedule for this semester in the SLCC college catalog.

Title IX Information:

20 U.S.C.A. Section 1681 (a): TITLE IX

"No person in the United States shall, on the basis of sex, be excluded from participation in, be denied benefit of, or be subjected to discrimination under any education program or activity receiving federal funds."

Examples of violations (but not limited to):

- Sexual advances, requests for sexual favors and sexually motivated physical conduct
- Overt or subtle pressure for sexual activity
- Sexually offensive verbalization including remarks, "teasing", slurs, and innuendo
- Repeated inappropriate jokes or comments about sex or gender specific traits
- Conduct that is demeaning or derisive and occurs substantially because of one's gender
- Sexual assault

- Sexual Violence
- Gender based disparate treatment

Violations can occur in any college environment, such as (but not limited to):

- Field Trips
- Student Clubs
- Transportation
- Classrooms
- Athletics
- On Campus Events

If you have questions or concerns regarding your rights or responsibilities, or if you would like to file a Title IX complaint please contact:
Students-
Dean of Students, 801-957-4776, STC 276 A (Redwood)
Employees or Community members-
Ken Stonebrook, Title IX & Discrimination Manager, 801-957-5027, AAB 211G (Redwood)
Online Reporting Form - http://www.slcc.edu/eeo/title-ix/complaint.aspx

Salt Lake Community College has a strong prohibition against RETALIATION! The college does not tolerate acts of retaliation against anyone for engaging in filing a complaint or participating in an investigation.