



Online MATH 1090 COLLEGE ALGEBRA FOR BUSINESS Fall Semester 2014

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CONSULTATION: Tuesday/Thursday 6:00-8:00 am and by appointment (online or phone)

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REQUIRED: MyMathLab access code for *College Mathematics for Business, Economics, Life and Social Sciences, 12th ed.* by Barnett, Ziegler, Byleen, Prentice Hall, Pearson. This site has all online homework and tests, as well as a full eBook copy of the textbook.

Recommended Text: *College Mathematics for Business, Economics, Life and Social Sciences 12th ed.* by Barnett, Ziegler, Byleen, Prentice Hall, Pearson. (full eBook available within MyMathLab, but some students prefer having the physical textbook).

INTRODUCTION: Math 1090 satisfies the graduation requirement in mathematics at SLCC.

Math 1030 Quantitative Reasoning, Math 1040 Statistics, and Math 1050 College Algebra also satisfy graduation requirements. If you are not sure of the proper course for you, contact a representative in your major department at SLCC or at your transfer institution. If you have not chosen a major, contact your academic advisor.

PREREQUISITES: Within the past year you should have completed an intermediate algebra course, such as Math 1010, with a grade of C or better. Acceptable substitutions for this course are an ACT score of 22 or better, or a score of at least 43 on the college algebra section of the CPT. If you do not have documentation for one of these prerequisites, you should enroll in a math class more appropriate for your background.

COURSE DESCRIPTION: This course continues to explore, in greater depth, standard Math 1010 algebra topics with applications for business. Topics include: functions including linear, quadratic, exponential, and logarithmic; systems of equations; matrices and determinants; linear programming; mathematics of finance.

Upon completion of this course, students should be able to:

1. Demonstrate theoretical and operational skills of functions, systems, and linear programming.
2. Apply algebraic skills to the formulation and solution of business applications.
3. Advance readily to higher-level math classes including Business Calculus.

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

TECHNOLOGY REQUIREMENTS FOR THIS ONLINE CLASS

COMPUTER REQUIREMENTS: The course content, including learning modules, video clips, worked examples, discussion assignments, homework assignments, tests, announcements, and all other course information are located in either our class CANVAS site <https://slcc.instructure.com/> or our class *MyMathLab* site embedded in CANVAS or through the site: <http://pearsonmylabandmastering.com/>. You will need **daily access to a high-speed internet connection** for multimedia content. **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 in 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 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.

You will frequently need a **printer** for printing things like the course calendar, reading assignments, projects, homework exercises, etc.

You will need access to a **scanner** in order to submit projects and other handwritten work. The scans do not need to be in color, but you need to save files as a single PDF formatted file. If you do not have your own scanner, most copy centers can scan a document and save it to a USB drive for you for a small fee.

Your computer must meet **minimum system requirements** (detailed here <http://pearsonmylabandmastering.com/system-requirements/>) to work with <http://pearsonmylabandmastering.com/> and the *MyMathLab* program

CALCULATOR: You will need a graphing calculator with linear regression. A business calculator that does financial operations can also be used, but it is not required. I recommend a TI-83 Plus or a TI-84.

COURSE STRUCTURE and ASSESSMENTS

This online class will not have any face-to-face meetings however it will have **strict due dates**. You will learn the course material, communicate with your instructor and classmates, and complete homework, quizzes, and most tests in CANVAS and *MyMathLab*. You will **work independently** to learn the material, using available resources including your textbook, etc. You will then practice your skills by completing online homework exercises and quizzes with **strict due dates**. You will complete technology-based projects and participation assignments and will take **timed online module tests**, all with strict due dates. You will take **three proctored exams** at a testing center on specified days: two cumulative midterm exams and a comprehensive final exam.

Because of the time involved in learning the material outside of a classroom plus completing the assignments, you need to be able to dedicate several hours every weekday to this class. **You should be prepared to spend at least one hour three days a week for learning the material and at least two to three hours additionally for completing the homework assignments. That is at least three to four hours three times a week for a total of 9 to 12 hours per week minimum.** If your schedule does not allow this time commitment you should consider taking Math 1090 another semester.

COMMUNICATION: The primary method of communication in this class will be e-mail or messages in CANVAS. When you register for *MyMathLab*, please use an email address that you will check regularly (you do not have to use your SLCC address, and you can set up your SLCC email address to automatically forward to another email). Your instructor will also post important information in our class CANVAS and *MyMathLab* announcements pages. Please check your e-mail and the announcements page in CANVAS and *MyMathLab* every time you log-in as you are responsible for this information.

GRADING: Grades will be assigned according to this scale:

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-	55-62%
C+	77-79%	E	Below 55%

The grade you earn will be recorded on your SLCC transcript. Grades are not negotiable. No work will be accepted after the last day of class. Limited, if any, extra credit opportunities may be available. **If you need to achieve a certain grade in this course be careful to complete all assignments, plan appropriate time for studying, and get help as needed so that you achieve your goal.**

POSTING OF GRADES: Grades will be posted in your SLCC MyPage account by Dec 17th.

ASSESSMENTS: Your grade will be based on an accumulation of scores as follows:

Online Homework	10%
Projects and ePortfolio	10%
Participation Assignments	5%
Online Module Tests	10%
Midterm Exam #1	20%
Midterm Exam #2	20%
Final Exam	25%

VERY IMPORTANT: Homework, Pre-Homework Quizzes, and Module Tests will be completed online through our class *MyMathLab* site, and must be completed and submitted by **11:59 p.m. MST on the due date**. Due dates are listed on the course schedule, are in the calendar in CANVAS, and are posted in *MyMathLab*. It will not be possible to access online module tests or section quizzes once the deadline has passed. **Finish assignments before the final due date. Please note that this course follows Mountain Standard Time. Students who are taking the course from another time zone will need to make the necessary adjustments.**

Each section in the course has objectives which students must master. **After studying and learning the material** using available resources (including the online textbook, online video lectures, and other materials), students will take a **Pre-Homework Quiz** to show what objectives they have already mastered and don't need to practice on the homework assignment. After completing the section Pre-Homework quiz, students will complete the **graded homework** assignment for that section.

The best way to do online assignments 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 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.**

Pre-Homework QUIZZES: A short online quiz in *MyMathLab* is assigned for each section and covers objectives to be mastered for that section. The quiz has the same due date as the homework assignment for that section, and must be completed before working the homework assignment. Correctly answering a quiz question over a particular objective will give you credit for all homework problems covering that objective and thus shorten your homework assignment. Pre-Quizzes must be completed without referring to books or other helps. Pre-Quiz scores are omitted from your course grade.

HOMEWORK: Your homework assignments will be completed online in *MyMathLab*. You must complete the associated Pre-Quiz before starting the homework assignment for each section. You will automatically **be given credit for the homework problems covering objectives you have shown mastery of on the Pre-Quiz**. Some of the homework problems will be mandatory. 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* as well as on the class calendar and the CANVAS calendar. **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, and due dates will not be adjusted for individuals. Plan ahead so you won't be affected.

PROJECT and ePORTFOLIO: All Math 1090 courses at Salt Lake Community College require projects. There will be at least one required project in Math 1090 this semester with due dates indicated on the class calendar. 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. Information about this project is posted in our class site.

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/slccceport>

<http://slccceportfolio.wordpress.com>

<http://slccceportfolio.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.

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

http://www.youtube.com/watch?v=qxN6VXg11Dc&feature=player_embedded#!

PARTICIPATION ASSIGNMENTS: You will be required to participate in some group/interactive work with classmates. You will participate in this class by attending virtual classroom sessions in Wimba (a virtual classroom environment) and by contributing to discussion sessions using the CANVAS discussion boards.

The discussion board assignments require you to respond to prompts as well as to your classmates, and thus **must be started before the due date**. All posts are due by 11:59 PM MST.

Your instructor may announce additional assignments throughout the semester. Completing participation assignments constitutes 5% of your course grade. Non-participation **WILL** reduce your course grade and could make the difference in you achieving a passing grade.

MODULE TESTS: There will be seven online module tests during the semester, approximately one for each included chapter in the textbook. These tests will be timed – you will have 90 minutes to complete each test in *MyMathLab*. Once you access the test, the time starts and you must complete it. **No online test can be taken late - please make sure you complete the online tests by the date posted on the calendar or you will earn a grade of zero for that test.** All online tests will be closed book, closed notes, no helps. Failure to take the tests under these conditions is a violation of the SLCC student code of conduct and will cheat you out of preparation for the midterm exams and the final exam given with the same restrictions.

As with your online quizzes and homework, you should **work your online test problems in a notebook**. Write the test name, the problem number, and write-out the problem, then your complete solution. After you have carefully checked, enter your solutions online. Not only will this help you to avoid errors and score better on your tests, it will also help you to review and find your errors after the test has been scored.

If, after you've reviewed your online test, you think that your response to a problem may merit partial credit, you may email or message your instructor with the problems you'd like reviewed and a scanned copy of your written work for the problems for consideration.

MIDTERM EXAMS AND FINAL EXAM: This course requires two proctored midterm exams and a proctored final exam. **It is an SLCC Math Department policy that you will receive a grade no higher than a D in Math 1090 if your final exam score is lower than 60%.** This course requires testing to be completed in-person at a SLCC Instructional Testing Center or facilitated at another location by an approved proctor.

Students who live in Salt Lake County are required to go to the Instructional Testing Center for exams. Instructional Testing Centers are located at the Taylorsville Redwood Campus and at South City Campus. **You must show a current college ID "SLCC one card" to take an exam.** ID's are available in the Student Center. **To take an exam at the Instructional Testing Center, you must make a reservation** for a specific day and time. For more information, go to <http://www.slcc.edu/online/getstarted/proctor.aspx#in>.

Students who live outside of Salt Lake County must arrange for a proctor through the Distance Education Service Center. **Proctors need to be approved by the second week of the semester.** Go to <http://www.slcc.edu/online/getstarted/proctor.aspx#out> for information on arranging for a proctor.

CUMMULATIVE MIDTERM EXAMS:

The midterm exams will be paper/pencil exam; not on a computer. There will be around 20 questions on each test. The majority of the test questions will not be multiple choice, but **will require you to carefully show your work**. You may earn partial credit on these questions. **Show all steps toward your final solution clearly and concisely. Answers with no logical steps or work that cannot be read or clearly followed will be marked incorrect.** You will be allowed 120 minutes to complete each midterm exam.

The first midterm exam will cover material learned in Modules 1-3. You must take the first midterm exam on **October 6th-8th**.

The second midterm exam will cover material learned in Modules 4-6. You must take the second midterm exam on **November 17th- 19th**.

FINAL EXAM:

The final exam for Math 1090 will be a paper/pencil comprehensive departmental examination emphasizing topics listed under the course objectives. You will have 120 minutes to complete the exam. You must take the exam on **December 8th-11th**.

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.

SUCCEEDING IN AN ONLINE MATH CLASS

College Algebra is a challenging course, however there are many available resources to help you succeed.

STRATEGIES FOR SUCCESS: It is very important in an online class that you set **aside time each day** to work on the course so that you can remain on schedule. You can do a better job at both understanding and retaining the material if you learn at an even pace. Trying to “cram” too much in one sitting will result in frustration and lower retention of the material. Recognize that you need time both to learn the material and time to complete your homework and quiz for each section. **It will take a significant investment of time each day to be successful in this course.** To be successful over the course of the semester you will want to always work a couple of days **ahead of the schedule** so that you won't miss deadlines if something comes up. It is important that you have the course calendar readily available and refer to it frequently.

As with any math course, you need to find the **best way for you to learn** the concepts and skills. There are many options, including reading the textbook, taking notes, listening to an audio lecture, watching a video lecture, and many others. It is also crucial that you **seek help when you need it.** At the very beginning of the course you should spend time familiarizing yourself with available resources in MyMathLab, on campus, etcetera.

SLCC RESOURCES FOR EXTRA HELP: Free tutoring is available in the Math Lab (LIB 044) and the Learning Centers. The Learning Center also maintains a Wimba virtual classroom for online tutoring. You can find details about how to access as well as locations, hours, and a list of private tutors who may be hired at <http://www.slcc.edu/learningcenter/>.

STANDARDS and INFORMATION

STUDENT CODE OF CONDUCT: All students at SLCC must comply with the Salt Lake Community College Student Code of Conduct: http://www.slcc.edu/policies/docs/Student_Code_of_Conduct.pdf. In particular, note the Academic Standards on pages 38 and 39 with regards to cheating, misrepresentation, out-of-class work, and plagiarism. In compliance with this document, a student who is academically dishonest will receive an E for this course.

CLASSROOM DEPARTMENT: Each student is responsible for his/her own behavior. Any student who shows a pattern of disrespect for others, or who at any time displays egregious disrespect for others, will be subject to penalties as per the student code of conduct.

PERMANENT FOLDER: To minimize the possibility of computer or human error all graded homework, projects, and exams should be kept by the student until you have received your final grade for the course.

WITHDRAWAL POLICY: Students may withdraw from the course through **October 24th**.

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 So. Redwood Rd, 84123. Phone: (801) 957-4659, TTY: 957-4646, Fax: 957- 4947 or by email: linda.bennett@slcc.edu.

Finally, read and be aware of the regulations set forth in the SLCC college catalog. Please see your instructor ASAP about any problems that are affecting your work in this class.