



MATH 1030 - QUANTITATIVE REASONING SPRING SEMSTER 2013

INSTRUCTOR:

TELEPHONE:

e-mail:

TEXT: *Using and Understanding Mathematics: A Quantitative Reasoning Approach, fifth edition* by Bennett and Briggs, Addison-Wesley Publisher

INTRODUCTION: This course may be an appropriate culminating mathematics course for general studies or liberal arts students majoring in humanities or other non-science programs. The focus of the course is to familiarize students with the role logical and quantitative thinking play in our society and on the development of problem solving skills and the application mathematical concepts to real life problems. Math 1050 College Algebra, Math 1040 Statistics, and Math 1090 College Algebra also satisfy QL (quantitative literacy) requirement for an AS (associate's degree). If you are not sure of the proper course for you, contact a representative in your major department at SLCC or your transfer institution. If you have not chosen a major, contact an 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.

MATERIALS: A basic scientific calculator with powers and logarithms is all that is necessary for the course. A graphing and/or statistical calculator can also be used, but it is not necessary. The instructor has the authority to clear and reset any calculator prior to a test. The instructor also has the authority to refuse a programmable calculator to be used during a test. Any device such as a cell phone that can communicate with other devices is not allowed.

STUDENT LEARNING OUTCOMES: 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

COURSE DESCRIPTION: This course is a general education course designed to meet SLCC's student learning outcomes by:

- Developing quantitative reasoning skills so that students can make sound decisions using quantitative information for real world problems.
- Connecting mathematical concepts learned with real world situations in student's projected major area of study.

ACADEMIC HONESTY: In this course you will have the opportunity to work in collaboration with other students. However, whether working in a group or individually, the work must be your own or the group's. Presenting others' work as one's own, or assisting another student to do so is considered cheating. Students found cheating will receive an E for the course. For more information concerning academic honesty, please refer to the Student Code of Conduct, http://www.slcc.edu/policies/docs/Student_Code_of_Conduct.pdf , pp. 38-40.

EXTRA HELP: Walk-in tutoring help is available in the Learning Centers, TB213 on the Redwood campus and N308 at the South City campus, and in the Math Lab, SI092, on the Redwood campus.

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 Road, 84123. Phone: (801) 957-4659, TTY: 957-4646.

WITHDRAWAL POLICY: The last day students can drop the course is February 4; they may withdraw from the course through March 26. No withdrawals will be approved after that date.

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

GENERAL EDUCATION STATEMENT: This course fulfills the **Quantitative Literacy (QL)** requirement for the General Education Program for AA and AS 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.

ePortfolio – So that SLCC students will have a place to display and chronicle projects that prove discipline-specific skills, critical thinking, and collaboration, SLCC has created a means for students to upload a catalog of their accomplishments. The virtual space is called ePortfolio and resides on the College's server, free of charge. Students taking General Education courses will be required (and helped) to place significant projects there in order to earn an associate degree. This provides prospective employees, community members, and transfer institutions a place to see the best of what each student has created.

Each student in General Education courses at SLCC will maintain a General Education ePortfolio. Instructors in every Gen Ed course will ask you to put at least one project from the course into your ePortfolio, and accompany it with reflective writing.

Your ePortfolio will also 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 be a multi-media showcase of your educational experience.

For detailed information including a Student ePortfolio Handbook, video tutorials for each ePortfolio platform, classes, locations and times of free workshops and other in-person help, visit <http://www.slcc.edu/gened/eportfolio/index.aspx> .