

Southern Illinois University - Edwardsville

Syllabus for QR 101 - Quantitative Reasoning

Course Description:

Welcome. This course focuses on mathematical reasoning and real-life problems including financial management, social choice, decision making, and measurements.

Text:

For this course, we will use portions of the text Math in Our World-A Quantitative Reasoning Approach (Sobecki & Mercer) with the ALEKS on-line homework system.

Course Objectives: After completion of the course, students will be able to work together to

- Interpret mathematical models such as formulas, graphs, tables and schematics, and to be able to draw inferences from them
- Represent mathematical information symbolically, visually, numerically, and verbally
- Model real world mathematical activities through the use of Excel Spreadsheets
- Use arithmetical, algebraic, geometric, and statistical methods to solve problems including, but not limited to, personal budgeting, finances, savings, investments, taxes, and various social issues
- Estimate and check answers to mathematical problems in order to determine reasonableness, identify alternatives, and select optimal results
- Recognize errors and abuses of numbers
- Recognize the limitations of mathematics and statistics

Attendance:

Please be present and on-time for each class meeting. You are responsible for understanding the content of any missed assignments. Make-up exams will not be given except in the case of documented medical emergencies, military orders, or official university business. Failure to attend class may result in your withdrawal from class or class failure. A total of six absences, anytime during the semester, is sufficient reason to be withdrawn from the course. Please be respectful to other students in the class; arrive on time and remain in the classroom throughout the class period (Student Academic Code: www.siu.edu/policies/3c2.shtml). Any student arriving late to class should not enter the room. Please email me with the reason for being late and schedule an appointment to cover any missed material. Your success in this course will depend on your communication, consistent engagement, and active participation in all course activities.

Course-work:

As a college student, you should expect to spend about two hours outside of class time working on related activities for each credit hour for the class. Homework is the place to make mistakes and to learn from them. If there is anything you do not understand, **ask!**

Outside Assistance:

Individualized instruction is available to you. You can meet with me outside of class during office hour appointments. Help is also available in the Tutoring Resource Center in the MUC Room 1252 (www.siue.edu/lss/tutoring) and in the Mathematics Tutor Lab located in Science East, Room 2234. No appointment is necessary. These services are provided free of charge. Plagiarism of any form on tests or quizzes is unacceptable; this includes no cell phone use to find answers or assistance in solving questions. (www.siue.edu/policies/3c2.shtml)

Grading: Grades will be earned as follows: % of Grade

3 Tests	30%
Homework	15%
In-Class Excel Projects	15%
In-Class Worksheet Assignments/Quizzes	15%
Comprehensive Final Exam	25%

Grades will be assigned as follows: A: 90 – 100%; B: 80 – 89%; C: 70 – 79%
D: 60 – 69%; F: Below 60%

Course Outline:

The detailed homework due dates are listed in ALEKS and attached. The detailed course schedule is also attached. Any changes to these dates will be announced in class.

Special Needs:

Students needing accommodations due to medical diagnosis or major life impairment can register with: Accessible Campus Community & Equitable Student Support (ACCESS). The ACCESS office is in the Student Success Center, Room 1203. You may contact them to make an appointment by calling (618) 650-3726 or sending an email to myaccess@siue.edu. For more information, please visit the ACCESS website located online at www.siue.edu/access.

Note:

This syllabus is subject to change.