

Financial Mathematics (QS)

FIN - 1380 001

Course Description

Finance 1380 is applied Mathematics for the Finance, Business, Accounting, Marketing, Fashion, Fitness, & Family Studies Programs. In-field topics studied include percentages & retail markups, cash & trade discounts, simple & compound interest, annuities & sinking funds, mortgage & installment loans, ratio & financial statement analysis, investments & valuation, depreciation & statistics.

Recommended Prerequisite(s):: MATH 0990 or appropriate placement.

Semester: All

Course Student Learning Outcomes

- Students will demonstrate deductive reasoning through problem based technical applications of mathematics to analyze their specific field's pertinent problems. This analysis and problem solving includes field-based exercises and simple case studies of financial markets, of business balance sheets and general ledgers, of calculations of trade and cash discounts, of retail markups and markdowns, of simple interest promissory notes, of compound interest in investments, of mortgages and annuities.
- Students will demonstrate problem solving competency in both written and verbal submissions. Problem solving will include their knowledge of percentages and proportions, of trade and cash discounts, of retail markups and markdowns, of breakeven analysis and simple interest, of simple and compound discount, of ordinary annuities and annuities due, of various mortgage calculations and amortization, of installment lending and repayment analysis, of ratio analysis and various accounting depreciation methods, of investment analysis of stocks and bonds and of solving basic descriptive statistic problems and standard deviation.

- students are immersed in real world area/field specific problem case studies and detailed life-like examples. Students are called upon to communicate their understanding of both the problem and the solution to these within groups, in classroom presentations, in classroom response, and in descriptive mathematical terms, and in critical evaluation of problems presented and discussed. Peer and instructor evaluation and feedback is a regular occurrence in classroom and online delivery.
- Students will gain the ability to recognize the proper financial mathematics context for applying proportions and percentages, time-value applications, financial statement ratios, and statistical concepts and demonstrate a basic understanding of why specific mathematical processes work.
- Students of Financial Mathematics 1380 will demonstrate their ability to read, and interpret various charts, graphs, and symbols commonly used in finance and financial management and integrate proportions, percentages, ratios, relative values and basic descriptive statistics into their analysis.
- Students develop the knowledge and skills to work with others in a professional and constructive manner. Classes are divided into small groups when appropriate and receive weekly assignments to solve mini-cases and story problems as a group. This enhances class interest and comradery and provides a means for students to develop their knowledge and build skills to work with others in a professional and constructive manner.
- Students will demonstrate within the proper context, application and use of financial calculators and/or computer based financial spreadsheets.

Course Prerequisites

Math 099, Math 098

Transfer/Certification/Licensure/Employment Information

Finance 1380 (QS) satisfies quantitative literacy for AAS in selected programs.

Engagement Plan

Example language:

- I will respond to email within 48 hours. I will offer feedback on major assignments within by due date. The best way to contact me is via the Canvas Inbox, as I will prioritize this email over other modes of communication.
- In this course I will be posting interactive announcements which will offer specific opportunities for class questions and extra credit every other week.
- Additionally, I will be participating in the discussion forums with you to share my perspective within the discipline and to offer some nuances of interpretation that may not be present in your textbook.
- Lastly, we'll be holding small group Q & A sessions, where we can learn from our peers (and faculty) on some of the more difficult units within the course.

Keys for Success (how to succeed in the course)

Utilize the Modules tab in Canvas and move sequentially through the course using Modules.

General Education Information

QS

This course fulfills the above 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.

Brief Description of Assignments/Exams

Finance 1380 consists of demonstrating competency in 10 chapters topics described below.

Assessments include chapter quizzes, midterms, and a comprehensive final exam.

Additionally there are two General Education Signature assignments:

1. Creating a cash-flow statement and balance sheet for yourself along with a spending plan or budget.
2. Create a financial plan for your retirement complete with time-value adjustments to income and expenses and a plan to accumulate the financial resources needed at retirement.

Assignment Schedule

[illegible]

Due Date	Assignment Name	Assignment Type	Points
	Introduce Yourself	Discussion	0
	Introduce Yourself	Discussion	0
	Introduce Yourself	Discussion	0
	Signature Assignment Part A: A Classroom Discussion	Discussion	0
	Signature Assignment Part A: A Classroom Discussion	Discussion	0
	Syllabus	Discussion	0
	Syllabus	Discussion	0
9/13/25	Student Introduction	Discussion	5
10/20/25	Chapter 10 Topic: Simple Interest	Quiz	10
10/20/25	Chapter 11 Topic: Simple Discount Interest	Quiz	10
10/20/25	Chapter 6 Topic: Percentages Quiz	Quiz	10
10/20/25	Chapter 7 Topic: Trade and Cash Discounts Quiz	Quiz	10
10/20/25	Chapter 8 Topic: Retail Markups and Markdowns	Quiz	10

Due Date	Assignment Name	Assignment Type	Points
10/20/25	Midterm 1: Chapters 6-8, Percentages, Trade/Cash Discounts and Markups/Breakeven	Quiz	100
12/4/25	Finance 1380: GE Signature Assignment Sections A1- A4	Assignment	30
12/18/25	Chapter 12 Topic: Compound Interest and Present Value	Quiz	10
12/18/25	Chapter 13: Annuities and Sinking Funds	Quiz	10
12/18/25	Chapter 14 Topic: Installment Lending	Quiz	10
12/18/25	Chapter 15 Topic: Mortgage Lending	Quiz	10
12/18/25	Chapter 16: Financial Statement Analysis	Quiz	5
12/18/25	Finance 1380: Comprehensive Final Exam	Quiz	100.05
12/18/25	Finance 1380: GE Signature Assignment Sections B1- B4: Applying Compound Interest and Annuity Applications	Assignment	30

Due Date	Assignment Name	Assignment Type	Points
12/18/25	Midterm 2: Chapters 10-12, Simple Interest & Discount & Compound Interest & Present Value	Quiz	100
12/18/25	Midterm 3: Chapters 13-15 Annuities, Installment Loans, Mortgages	Quiz	100

Grading Scale

90-100 A-, AD

80-90 B-, B, B+

70-80 C-, C, C+

60-70 D-, D, D+

Below 60 percent E

Academic Integrity

Do your own work. Ask questions of me and other students when lost. You can do it!!

How to Navigate to Canvas

Institutional Policies

As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document

contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements. By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

For more information, navigate to the Institutional Policies tab on the [Institutional Syllabus](#) page.

Learning Support and Tutoring Services

We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, visit the [Institutional Syllabus](#) page under the Tutoring and Learning Support tab. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

Advising and Counseling Support Services

At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to access them, visit the [Institutional Syllabus](#) page under the Advising and Counseling Support Services tab. Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

Student Academic Calendar

As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

[SLCC Student Academic Calendar](#)