

Central Connecticut State University
Department of Mathematical Sciences

Course Syllabus

ADVANCED TOPICS IN ACTUARIAL SCIENCE (Actl 580)

TOPIC: CORPORATE FINANCE

Required Text: PRINCIPLES OF CORPORATE FINANCE: by:
Brealry, Myers and Allen
McGraw-Hill Irwin
any edition from the 8th onward

Instructor: Dr. Frank Bensics
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Office Hours: M/T/W/Th 1:30 - 3:30

Prerequisites: A prior course in finance or prior exposure to material on the FM exam

Course Description: Intermediate treatment of corporate finance, including issues of capital budgeting, risk analysis, capital structure and dividend policy

Topics	Readings
Introduction	Chapter 1
Objectives of the Firm	Chapter 2
Value of Bonds and Stocks	Chapter 4
Comparison of Investment Criteria	Chapter 5
Making Investment Decisions with NPV	Chapter 6
Introduction to Risk and Return	Chapter 7
Risk and Return	Chapter 8
Capital Budgeting and Risk	Chapter 9

Test 1

Market Efficiency	Chapter 13
Overview of Corporate Financing	Chapter 14
Payout Policy	Chapter 16
Does Debt Policy Matter	Chapter 17
How Much Should a Firm Borrow	Chapter 18
Financing and Valuation	Chapter 19

Test 2

Understanding and Valuing Options	Chapters 20,21
Real Options	Chapter 22
Managing Risk	Chapter 27
Financial Analysis and Planning	Chapter 29

Final Exam

Grading

2 Tests	40%
Take Home Assignments	20%
Final Exam	40%

University Policies:

1. You must take the final exam at the time specified in the course selection book.
2. If you need course adaptations or accommodations because of a disability (certified by the university), please make an appointment as soon as possible.
3. In the event of a weather emergency which requires curtailment or cancellation of classes, call 860-832-3333 for the "general snow message."
4. Last day to withdraw is Tuesday, October 18. Withdrawal forms are available in

the Enrollment Center, Willard Hall. Cessation of attendance, notice to the instructor, or telephone calls to the Enrollment Center are not considered official notice of student's intention to withdraw from the course.