ETM 512.01 Engineering Economics & Finance
Instructor: Assistant Professor Metin Berk
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Course Description

ETM 512 is an introductory course in Economics and Corporate Finance. The first two weeks fundamentals of macro and micro economic theory will be covered, after which we shall proceed to corporate finance theory and the final week the topic will be how to make decisions under uncertainty. The aim of the course is to familiarize you with the fundamental concepts of economic and finance theories thereby provide tools for your management career. Throughout the course we shall combine theory with applications in real world environment. To get the most benefit out of the course, it is strongly advised to attend classes and take active participation in class discussions.

Required Text Book


Supplementary Books

Managerial Economics by Samuelson and Marks, 6th Edition, John Wiley

Grading

Mid Term I March 22, 2014 30 percent of class grade
Mid Term II April 19, 2014 30 percent of class grade
Final Exam To be announced 40 percent of class grade
Course Outline

Week 1. How Economy Function: A brief look at macro economics
Week 2. How Markets Function: A brief look at micro economics
Week 3. Introduction to Corporate Finance
Week 4. Measuring Corporate Performance & Time Value of Money
Week 5. Mid Term Exam I
Week 6. Valuing Bonds & Stocks
Week 7. Net Present Value and Other Investment Criteria
Week 8. Using DCF to Make Investment Decisions & Project Analysis
Week 9. Mid Term Exam II
Week 10. Risk, Return and Opportunity Cost of Capital
Week 11. Risk, Return and Capital Budgeting & WACC and Company Valuation
Week 12. Corporate Finance & Venture Capital, IPO’s, Seasoned Offerings & Debt Policy
Week 13. Decision Making Under Uncertainty
Final week