

Syllabus

Security Analysis

Spring Semester, 2008

Professor Chau-Chen Yang

Department of Finance, College of Management

National Taiwan University

Phone:(O)3366-1078

E-mail: yang@management.ntu.edu.tw

Office: 801, Second Building of College of Management

Purposes of this course:

This course is to equip students with fundamental knowledge for Security Analysis. Major topics cover the following:

1. Basic concepts for funds management.
2. Introduction to Risk/ Return and Portfolio theory
3. Portfolio decision making process
4. How Wall Street analyze securities
5. Theoretical and practical pricing model for stocks
6. Macroeconomic analysis
7. Industry analysis
8. Individual firm analysis
9. Financial analysis
10. Active bonds investment and strategies
11. Introduction to derivatives and their application to adjust the risk and expected return for their investments?
12. Portfolio Insurance Strategies
13. Introduction to Hedge Funds and their strategies.

Students will learn how to plan, implement and monitor the portfolio management decision process. They also learn how to make fundamental analyses to form an optimal portfolio. Asset markets such as stocks, bonds and derivatives will be discussed in detailed in terms of pricing and strategies. Factors that may affect the price of these markets will be discussed too. A paper money portfolio contest will begin shortly after the beginning of the semester. A percentage of the grades of classmates will be accounted for by the performance of the contest in terms of not only the final returns of portfolios but the justification of their failure or success.

Course schedule:

| Week | Chapters |
|------|--|
| 1 | Basic concepts for funds management. |
| 2 | Introduction to Risk/ Return and Portfolio theory |
| 3 | Portfolio Decision Making Process |
| 4 | How Wall Street Analyze Securities |
| 5 | Pricing model for stocks |
| 6 | Macroeconomic analysis |
| 7 | Industry analysis |
| 8 | Individual firm analysis |
| 9 | Mid-Term |
| 10 | Financial analysis |
| 11 | Active bonds investment and strategies |
| 12 | Introduction to derivatives and their application to adjust the risk and expected return for their investments |
| 13 | Portfolio Insurance Strategies |
| 14 | Introduction to Hedge Funds and their strategies. |
| 15 | Discussion on relevant papers |
| 16 | Discussion on relevant papers |
| 17 | Paper money portfolio contest final results presentation |
| 18 | Final Exam |

Text Book:

1. Yang and Chen, 2006, Investment, 1st ed. Hua-Thai Publication Inc.
2. Lecture notes.

Expected Grade Distribution for classmates:

| | |
|--------------|---------|
| 90 and above | 30% |
| 80 ~ 89 | 40% |
| 70 ~ 79 | 20%~30% |
| Fail | 0% ~ 5% |

Expected Grade Distribution for exams:

| | |
|------------|-------------|
| Mid-term | 40% |
| Final | 40% |
| Term paper | <u>20%</u> |
| Total | <u>100%</u> |