



جامعة دبي
UNIVERSITY of DUBAI

COLLEGE OF BUSINESS ADMINISTRATION
MBA Course Syllabus
Semester:

Course code & No.: MFA 715

Course Title: Investment Analysis and Portfolio Management

Prerequisites: MBA 645 (Strategic Management)

Faculty Member:

Contact Details: Email:; Phone:

Class Hours: Time: Days: Room:

Office Hours: Time: Days: Room:

Brief Course Description: (As in UD Catalog)

The course focuses on security valuation theory and investment practice through hands-on STOCK_TRAK simulation experience. The course covers market operations, performance evaluation, Fundamental security analysis methods (in relation to stock bonds), Mutual funds, option & futures. Comparative analysis of UAE/GCC markets with developed markets in the ultimate purpose. This course greatly facilitates CFA exam takers.

This course contributes the following MBA MFA program concentration objectives (MBA MFA PCO): At the end of this program, students should be able to:

MBA MAF PCO	*Objectives	Linked to MBA PO
1	Apply accounting and finance theories for analyzing business operations in these areas in the UAE.	5
2	Assess the usefulness of existing accounting and finance decision making tools and the potential for improving these tools in businesses in the UAE.	5
3	Use knowledge and skills developed to add value to the firms in the UAE/MENA region.	5

Course Objectives (CO): Upon completion of this course, students should be able to:

1. Practice Investment through Stock-Track simulation.
2. Evaluate investment products & manage Investment portfolios.

Course Learning Outcomes (CLO):

Upon completion of this course, students should be able to demonstrate the following outcomes:

1. **Assess** value of a wide range of potential investments.
2. **Interpret** major portfolio management & risk management concepts.
3. **Construct** basic portfolio and risk models.
4. **Apply** portfolio & risk management concepts to specific business problems
5. **Evaluate** alternative investment & Portfolio management strategies.

Blooms Taxonomy

(The following levels of Bloom's taxonomy have been used while developing the above CLO)

Bloom's level	3.Application (AP)	4. Analysis (AN)	5. Synthesis (S)	6.Evaluation (E)
CLO #	1,4	2,3	-	5

CLO Mapping: This table maps CLO's to: CO

CLO	Linked to CO	Linked to PCO	Linked to MBA PO
1	1	2	5
2	1	1	5
3	2	2	5
4	2	1	5
5	2	3	5

CLO Assessment Scheme

CLO	Class Work (marks)		Final Exam (marks) 30%
	4 problem sets of (10% each)	Group Project 30%	
1	10		7
2	20		7
3	10		7
4		10	9
5		10	
Presentation		10	
Total	40	30	30

Each MBA course is assessed by a combination of class work (assignments/ quizzes, group work, simulations), and an examination. Class work constitutes 70% of the course grade and one examination at the end constitutes 30% of the course grade. Each course grade is distributed as under:

% Marks	Grade	Quality Points
> 95	A	4.0
90-94	A-	3.7
87-89	B+	3.5
83-86	B	3.0
80-82	B-	2.7
Below 80	F (Fail)	0

Group Assignment

The instructor will assign a set of 5 cases from different sources with adaptation to the local environment of UAE. These cases will be used as part of group assignments. At least one group assignment will require class presentation. Each individual case will deal with a management problem that is designed to reflect the characteristics of the local environment (UAE/GCC). Each case will require data analysis, interpretation, and recommendations to management. Each student is expected to spend about 105 hour's out-of-class time on readings, cases, and problem solving as follows:

Out-of-Class Time

Assignments and Cases	Approximate Out-of-Class Time
Case # 1 (Individual assignment)	5 hours
Case # 2 (Individual assignment)	5 hours
Case # 3 (Individual assignment)	5 hours
Case # 4 (Group assignment)	10 hours
Case # 5 (Group assignment)	10 hours
Problem Solving	25 hours
Preparation for Presentation	10 hours
Readings (textbook, journal articles and supplemental readings)	35 hours

Teaching Methods:

Teaching methods used in this course are Interactive learning, lectures, Case studies, & Solving Analytical Problems.

Use of Modern Instructional Technology: Moodle Learning Systems, bring financial calculator at the time of MBA enrollment.

Weekly/Daily Teaching Plan				
Day Week	Topic	Ch	Contents	Assignment / Do odd number problems as individual assignment (A)
1	Valuation of Investment	1-3	Perfect & Imperfect Market price CAPM Utility theory & risk aversion Behavioral Finance & prospect Theory	
2	Construct Risk-Reward Efficient frontier	4-6	Calculate historical returns, volatilities & Correlations Implication & CLT on return distribution Risk measure: Sharpe, information ratio & tracking error Return distribution- normal, log-normal, Chebschev's inequality Systematic (market) versus idiosyncratic (non-market) risks E-V efficient frontiers	A1
3			Start STAR-TRACK SIMULATION	Team Project
4&5	Portfolio Risks from Equity, Fixed Income, Currency, Real Estate & Commodity investments.	7-9	VAR, performance risk, Efficient frontiers for ROE/Surplus Fixed income Duration & Convexity Currency risks in international investments Private market iniquity risk Commodity price sensitivities	Group Project 1
6	Derivatives for managing Investment & Firm risks	10-12	Option fundamentals PCP Black Schole's formula Calculating & using implied volatilities Fundamentals of future contracts Changing the profile of risks & returns using futures & options	A2
7 & 8	Portfolio management from Institutional & Retail perspectives		Objectives of Mutual funds, plan sponsors, High network, investors. Optimization techniques which incorporate diverse fund objectives.	R1 Group Project 2
9			Team report presentation as per requirement.	
10			Team report presentation	
11	Final Examination			

Educational Resources

Educational Resource	Description
Text Book Required	Elton, Edwin J, Martin J. Gruber et al. Modern portfolio Theory & Investment Analysis..
Required Reading List	Hoboken, N J: John Wiley & Sons, Inc 2007: ISBN-13: 987-0470-05082-8. R1- A Discrete Stochastic Goal program for portfolios Selection: The case of UAE Equity Market, by Fonadh, & Fayedh, Rao, INFOR (2009, forthcoming)

Team (of maximum 3) report: from stock track

- Teams' Goals?
- Explain your teams' investment scheme/strategies:
 - Active/passive,
 - Bond/stock,
 - High/low risk,
 - Special sectors,
 - Special economic/political condition
- Teams' trading history
- Fundamental, technical and comparative analysis used in investment & portfolio decisions
- Discuss portfolio success, including market – excess and risk-adjustment returns.
- Perceived timing & selection S/W, and
- Evaluate Short-term (next 6 months) & long-term (5 years) strategy.

The report should be less than 5 pages (excluding tables & graphs) with specific answer to the above issues.