

# FIN 397.1 – INVESTMENT THEORY AND PRACTICE FIN 397.2 – PORTFOLIO MANAGEMENT AND SECURITY ANALYSIS

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Course Web Page via Blackboard

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# **Course Objectives**

The purpose of this course is to combine Investment Theory and Practice (FIN 397.1) and Portfolio Management and Security Analysis (FIN 397.2). FIN 397.1 involves the foundations of the Investment process: fundamental background knowledge (markets, trading, indexes, etc.), fixed-income securities, equity securities, derivatives, mutual funds and performance evaluation.

The purpose of FIN 397.2 is to provide a conceptual and theoretical foundation for the activities of student managers involved with the on-going operations of The MBA Investment Fund, LLC. Using a blend of academic- and practitioner-oriented readings, projects, and group analytical sessions, managers will be introduced to both the conventional wisdom and state-of-the-art methods used in performing many of the Fund's functional tasks, including security research, security trading, and organizational coordination. It is assumed that students have completed (or are concurrently enrolled in) the relevant prerequisite courses in finance, accounting, and statistics.

## **Required Materials**

Investment Analysis and Portfolio Management, 9e by F. Reilly and K. Brown (South-Western Cengage Learning, 2009)

Investments (Sanford J Leeds, 2010)

Cases and Readings Packet (Available at University Copy Center – 3<sup>rd</sup> Floor GSB)

# **Recommended Materials**

A Random Walk Down Wall Street, 9e by B. Malkiel

Pioneering Portfolio Management, 2e by D. Swensen (Free Press, 2009)

Wall Street Journal

Barron's

Institutional Investor

Bloomberg Markets

**Economist** 

Financial Times

Financial Analyst Journal

Journal of Portfolio Management

Journal of Investment Management

# **Grades (FIN 397.1)**

Midterm	35%
Final Exam	45%
Project	20%

# **Grades (FIN 397.2)**

Stock Pitch	40%
Project #1	20%
Project #2	20%
Morning Meeting	10%
Peer Evaluation	10%

## **Description of Requirements**

## Exams

The midterm exam will be held in class on February 21, 2011. The final exam will be held according to the University exam schedule. Both exams will be closed-book. They will contain a combination of quantitative and qualitative problems.

The midterm will cover all material covered (starting in December) through February 16<sup>th</sup>. The final exam will cover all material covered after the midterm exam.

We do not release old exams. We have found that releasing old exams is problematic because (1) it results in people studying "to the exam" rather than studying to learn; and (2) students inevitably feel that old exams are easier than the current exam. In addition, we do not allow students to keep their exams. This maintains the fairness of exams, since you know that no one has seen old exams. You will have ample opportunity to review your exam. If you ask any of our past students what our tests look like or what material is tested, we consider this to be a violation of the Honor Code.

## **Projects**

You will be assigned to teams for any group projects (FIN 397.2). The project to be done in FIN 397.1 is to be done alone as is the Stock Pitch assignment in FIN 397.2. All FIN 397.2 projects (including the Stock Pitch) will be described in class. The FIN 397.1 project is described immediately below.

This FIN 397.1 project is intended to further your Investments education and to help you to realize that you can continue to educate yourself when you graduate. For your project, I want you to read and **OUTLINE** "The Essays of Warren Buffett: Lessons for Corporate America" by Warren Buffett and edited by Lawrence Cunningham.

There are two reasons that I have you do this project: (1) people love this book; and (2) there is probably no better way to learn about the market than by reading Buffett's letters to his shareholders. This book consolidates key points from letters. All of his letters are available online at <a href="https://www.berkshirehathaway.com">www.berkshirehathaway.com</a>.

Your paper must be in outline form and cannot be longer than ten pages plus a cover page. Ten pages is the total (other than the cover) regardless of whether you call something an appendix or anything else. If you want an example of an outline, look at how my packet is written.

The goal of your outline should be to allow someone who has not read this book to fully understand what it is about. A good outline clearly distinguishes thoughts. It is not simply sentences with a letter in front of it. It eliminates unnecessary words and groups ideas together.

The project is usually not a grade differentiator in FIN 397.1. The reality is that the exams will result in grade differentiation. The project is a learning exercise and the grading scale is

normally pretty tight (usually 88 - 94). With that said, every so often someone turns in something that results in a significantly lower grade. The fact that the grade range is normally tight is not intended to diminish the importance of this assignment. Normally, I grade your exams (because they have the largest impact on your final grade) and I have my TA grade your outlines. This assignment is to be done alone.

In the past, students have received low grades on this assignment for various reasons. Examples include students who have clearly not read all of the book, students who did this in sentence form and students who collaborated (which is an act of academic dishonesty). The highest grade that you can get if you do this in paragraph form is 80 (which means that you will be in the 70s because I don't give perfect scores on this assignment). If you have not read the entire book, the highest grade you can receive is 50 (and again, that score isn't likely). But, if you read the book and outline it and you feel like you have made a good-faith effort, you should not worry. You will know if you fall into one of the "troubled" categories.

# **Course Outline and Reading List**

# Saturday, December 11

*Topics:* Investment Fundamentals, Global Capital Markets and Security Types; Discounted Cash Flow

Reading: RB Chapters 3 and 4

Assignment: Handout

# Monday, December 13

Houston Trip

# Tuesday, December 14

How to Pitch a Stock – Warren Tennant and John Thornton

FactSet Training

# Wednesday, December 15

Modeling 101 – Ted Janus

Bruce Zimmerman - UTIMCO CEO, CIO

# Thursday, December 16

Topics: Stock Market Indexes; Top-Down Analysis; Value vs. Growth

Reading: RB Chapter 5

Assignment: RB Chapter 5 – Problems 1 – 2; 4 – 6; Leeds Unit 5 Problems

# Friday, December 17 (we will be done by noon)

Topics: Screening; Characteristics of Great Stocks

Reading: None

Assignment: Handout

# Monday, January 10

Topics: Asset Pricing Theory and Factor Models; American Century Visit

Reading: RB Chapters 1, 7 – 9

Assignment: RB Chapter 1 – Problems 1 – 12; Chapter 1 Appendix Problems 1 – 3; Chapter 3 – Problems 4 – 5; Chapter 3 Appendix – Problems 1 – 2; Chapter 6 – Problems 1 – 3; Chapter 7 – Problems 1 – 6; 8; Chapter 8 – Problems 1 – 3; 5 – 9; Chapter 11 – Problem 3; Chapter 25 – Problems 10a and 10b; Leeds Unit 2 Problems

# Tuesday, January 11

Behavioral Finance – Laura Starks Two Minute Stock Pitch Competition

# Wednesday, January 12

Matt Miller - Dimensional Fund Advisors

# Thursday, January 13

TRS Visit

## Wednesday, January 19 (KB)

Topic: Portfolio Performance Measurement

Reading: RB Chapter 25 (pp. 937-955, 957-962, 967-970)

Assignment: RB Chapter 25 – Questions 3-6, 8; Problems 1-4, 6

# Monday, January 24 (KB)

Topic: Portfolio Performance Measurement

Reading: RB Chapter 25 (pp. 963-967, 970-973)

V. Harlow and K. Brown, "The Right Answer to the Wrong Question: Identifying Superior Active Portfolio Management," *Journal of Investment Management*, Fourth Quarter 2006

Assignment: RB Chapter 25 – Questions 7, 10; Problems 7-9

# Wednesday, January 26

*Topics:* Finish Unit 2; Efficient Market Hypothesis; Passive vs. Active Management; Start Unit 7 (Dividend Discount Model)

Reading: RB Chapters 6 and 16

Assignment: None

# Monday, January 31

Topics: Dividend Discount Model; Free Cash Flow to Equity Model; LBO Valuation; Relative

Valuation; (This is Leeds Unit 7) Reading: RB Chapters 11 and 14

Assignment: RB Chapter 11 – Problems 4 – 10, 14, 15; Chapter 12 – Problems 5 – 9; Chapter 14 – Problems 3, 8 – 11, 14 – 16; Leeds Unit 7 Problems

# Wednesday, February 2

*Topics:* Orders, Margin and Short Selling (Leeds Unit 10)

Reading: RB Chapter 4

Assignment: RB Chapter 4 – Problems 1 – 7; Leeds Unit 10 Problems

## Monday, February 7 (KB)

Topics: Fixed-Income Securities: Fundamentals, Valuation and Risk Measurement

Reading: RB Chapters 17 (pp. 579-600), 18 (pp. 609-635, 640-663), Appendix 18

M. Kritzman, "What Practitioners Need to Know about Duration and Convexity," *Financial Analysts Journal*, November-December 1992

Assignment: RB Chapter 18- Questions 1, 5-8, 18; Problems 2-3, 7, 9, 15

#### Wednesday, February 9 (KB)

Topics: Fixed-Income Securities: Portfolio Strategies

Reading: RB Chapter 19 (pp. 677-708), Appendix 19

J. Prince, "Credit Default Swaps and Structured Credit: A Primer for Wealth Managers," *CFA Institute Conference Proceedings Quarterly*, December 2009

Assignment: RB Chapter 19 – Questions 1, 8; Problems 1, 3, 5, 7; Greydanus Boeckh Case

## Monday, February 14

Morning Meetings

## Wednesday, February 16

Morning Meetings

# Monday, February 21

Midterm Exam

# Wednesday, February 23

Speakers; Prep for Portfolio Transition

# Monday, February 28 (KB)

Topics: Strategic Asset Allocation & Advanced Portfolio Risk Analytics

Reading: RB Chapters 2 (pp. 31-36, 48-54); 16 (pp. 543-545, 568-572)

K. Brown, L. Garlappi, and C. Tiu, "Asset Allocation and Portfolio Performance: Evidence from University Endowment Funds," *Journal of Financial Markets*. May 2010

A. Damodaran, "Value at Risk (VaR)," Chapter 7 from *Strategic Risk Taking* (Wharton Publishing), August 2007

G. He and R. Litterman, "The Intuition Behind Black-Litterman Model Portfolios," Goldman Sachs Working Paper, December 1999

Assignment: RB Chapter 16 – Problems 6, 8; Asset Class Risk Analysis Case study

# Wednesday, March 2

Final Preparation for Advisor Meeting

Monday, March 7

No Class

Wednesday, March 9

No Class

Friday, March 11

Dallas Trip

March 14 and March 16

Spring Break

# Monday, March 21

Topics: The Relationship Between the Economy and Stocks (Leeds Unit 6)

Reading: RB Chapter 12

Assignment: RB Chapter 12 – Problems 2, 4 (there are two #4 problems; do the one that is not

the CFA problem); Leeds Unit 6 Problems

## Wednesday, March 23

Topics: Technical Analysis; Trading (Leeds Unit 8)

Reading: RB Chapter 15

Assignment: RB Chapter 15 – Problems 5 – 6; Handout; Leeds Unit 8 Problems

# Monday, March 28

Possible Speaker Date

# Wednesday, March 30

Topic: Mutual Funds (Leeds Unit 12)

Reading: RB Chapter 24

Assignment: RB Chapter 24 – Problems 1 – 8 (note that there are two problems numbered "8" – do both of them); Leeds Unit 12 Problems

## Monday, April 4 (KB)

*Topic:* Derivatives: Forwards, Futures and Swaps

Reading: RB Chapters 20 (pp. 727-739), 21 (pp. 763-787), 23 (pp. 848-855, 860-863)

Assignment: RB Chapter 20 – Problems 1-3; RB Chapter 21 – Problems 4-8; RB Chapter 23 – Problems 2, 5

# Wednesday, April 6

Topic: Derivatives: Options (Leeds Unit 11)

Reading: RB Chapters 22

Assignment: Chapter 22 – Problems 2, 10, 11, 13; Handout

# Monday, April 11

Topic: Alternative Investments

Reading: RB Chapter 24

Assignment: Handout

# Wednesday, April 13

Topic: Private Wealth Management

Reading: RB Chapter 2

Assignment: Handout; Leeds Unit 1 Problems

# Monday, April 18 (KB)

Morning Meeting

# Wednesday, April 20 (KB)

Morning Meeting

# Monday, April 25

Topics: Discussion of Industry Reports (for Next Semester); Course Evaluations

Reading: None

Assignment: None

# Wednesday, April 27

Possible Final Exam Date (class decision)

## **Policies:**

Enrollment in this course is restricted to the current set of student managers for The MBA Investment Fund. While this exclusivity creates a more collegial atmosphere than you will experience in most classes, it is important to keep in mind that there is a serious academic purpose to this course that is distinct from the day-to-day activities of the Fund. Accordingly, when evaluating the quality of your work and effort at the end of the semester, we will curve together the scores for the entire section to determine the final distribution. In each class, a full range of grades will be considered. In borderline situations, both class participation and your general effort throughout the semester will be determining factors.

You should treat this course as you would any of your other Fund responsibilities; that is, missing a class session is comparable to missing a Fund business meeting. Whether present or not, you will be held responsible for everything covered or assigned in class. Further, your general conduct in class (including your attendance and promptness) will be a part of your class participation grade. Finally, unless we specifically use laptops for an in-class assignment, they should not be open during class.

#### Students with Disabilities

Upon request, the University of Texas at Austin provides appropriate academic accommodations for qualified students with disabilities. Services for Students with Disabilities (SSD) is housed in the Office of the Dean of Students, located on the fourth floor of the Student Services Building. Information on how to register, downloadable forms, including guidelines for documentation, accommodation request letters, and releases of information are available online at http://deanofstudents.utexas.edu/ssd/index.php. Please do not hesitate to contact SSD at (512) 471-6259, VP: (512) 232-2937 or via e-mail if you have any questions.

## **McCombs Classroom Professionalism Policy**

The highest professional standards are expected of all members of the McCombs community. The collective class reputation and the value of the Texas MBA experience hinges on this.

Faculty are expected to be professional and prepared to deliver value for each and every class session. Students are expected to be professional in all respects.

The Texas MBA classroom experience is enhanced when:

- Students arrive on time. On time arrival ensures that classes are able to start and finish at the scheduled time. On time arrival shows respect for both fellow students and faculty and it enhances learning by reducing avoidable distractions.
- Students display their name cards. This permits fellow students and faculty to learn names, enhancing
  opportunities for community building and evaluation of in-class contributions.
- Students minimize unscheduled personal breaks. The learning environment improves when disruptions
  are limited.
- Students are fully prepared for each class. Much of the learning in the Texas MBA program takes place
  during classroom discussions. When students are not prepared they cannot contribute to the overall learning
  process. This affects not only the individual, but their peers who count on them, as well.
- Students attend the class section to which they are registered. Learning is enhanced when class sizes
  are optimized. Limits are set to ensure a quality experience. When section hopping takes place some classes
  become too large and it becomes difficult to contribute. When they are too small, the breadth of experience
  and opinion suffers.
- Students respect the views and opinions of their colleagues. Disagreement and debate are encouraged. Intolerance for the views of others is unacceptable.
- Laptops are closed and put away. When students are surfing the web, responding to e-mail, instant messaging each other, and otherwise not devoting their full attention to the topic at hand they are doing themselves and their peers a major disservice. Those around them face additional distraction. Fellow students cannot benefit from the insights of the students who are not engaged. Faculty office hours are spent going over class material with students who chose not to pay attention, rather than truly adding value by helping students who want a better understanding of the material or want to explore the issues in more depth. Students with real needs may not be able to obtain adequate help if faculty time is spent repeating what was said in class. There are often cases where learning is enhanced by the use of laptops in class. Faculty will let you know when it is appropriate to use them. In such cases, professional behavior is exhibited when misuse does not take place.
- Phones and wireless devices are turned off. We've all heard the annoying ringing in the middle of a meeting. Not only is it not professional, it cuts off the flow of discussion when the search for the offender begins. When a true need to communicate with someone outside of class exists (e.g., for some medical need) please inform the professor prior to class.

Remember, you are competing for the best faculty McCombs has to offer. Your professionalism and activity in class contributes to your success in attracting the best faculty to this program.

#### **Academic Dishonesty**

I have no tolerance for acts of academic dishonesty. Such acts damage the reputation of the school and the degree and demean the honest efforts of the majority of students. The minimum penalty for an act of academic dishonesty will be a zero for that assignment or exam.

The responsibilities for both students and faculty with regard to the Honor System are described on <a href="http://mba.mccombs.utexas.edu/students/academics/honor/index.asp">http://mba.mccombs.utexas.edu/students/academics/honor/index.asp</a> and on the final pages of this syllabus. As the instructor for this course, I agree to observe all the faculty responsibilities described therein. During Orientation, you signed the Honor Code Pledge. In doing so, you agreed to observe all of the student responsibilities of the Honor Code. If the application of the Honor System to this class and its assignments is unclear in any way, it is your responsibility to ask me for clarification.

## **Honor Code Purpose**

Academic honor, trust and integrity are fundamental to The University of Texas at Austin McCombs School of Business community. They contribute directly to the quality of your education and reach far beyond the campus to your overall standing within the business community. The University of Texas at Austin McCombs School of Business Honor System promotes academic honor, trust and integrity throughout the Graduate School of Business. The Honor System relies upon The University of Texas Student Standards of Conduct (Chapter 11 of the Institutional Rules on Student Service and Activities) for enforcement, but promotes ideals that are higher than merely enforceable standards. Every student is responsible for understanding and abiding by the provisions of the Honor System and the University of Texas Student Standards of Conduct. The University expects all students to obey the law, show respect for other members of the university community, perform contractual obligations, maintain absolute integrity and the highest standard of individual honor in scholastic work, and observe the highest standards of conduct. Ignorance of the Honor System or The University of Texas Student Standards of Conduct is not an acceptable excuse for violations under any circumstances.

The effectiveness of the Honor System results solely from the wholehearted and uncompromising support of each member of the Graduate School of Business community. Each member must abide by the Honor System and must be intolerant of any violations. The system is only as effective as you make it.

## **Faculty Involvement in the Honor System**

The University of Texas at Austin McCombs School of Business Faculty's commitment to the Honor System is critical to its success. It is imperative that faculty make their expectations clear to all students. They must also respond to accusations of cheating or other misconduct by students in a timely, discrete and fair manner. We urge faculty members to promote awareness of the importance of integrity through in-class discussions and assignments throughout the semester.

## **Expectations Under the Honor System**

#### **Standards**

If a student is uncertain about the standards of conduct in a particular setting, he or she should ask the relevant faculty member for clarification to ensure his or her conduct falls within the expected scope of honor, trust and integrity as promoted by the Honor System. This applies to all tests, papers and group and individual work. Questions about appropriate behavior during the job search should be addressed to a professional member of the Career Services Office. Below are some of the specific examples of violations of the Honor System.

#### Lying

Lying is any deliberate attempt to deceive another by stating an untruth, or by any direct form of communication to include the telling of a partial truth. Lying includes the use or omission of any information with the intent to deceive or mislead. Examples of lying include, but are not limited to, providing a false excuse for why a test was missed or presenting false information to a recruiter.

#### Stealing

Stealing is wrongfully taking, obtaining, withholding, defacing or destroying any person's money, personal property, article or service, under any circumstances. Examples of stealing include, but are not limited to, removing course material from the library or hiding it from others, removing material from another person's mail folder, securing for one's self unattended items such as calculators, books, book bags or other personal property. Another form of stealing is the duplication of copyrighted material beyond the reasonable bounds of "fair use." Defacing (e.g., "marking up" or highlighting) library books is also

considered stealing, because, through a willful act, the value of another's property is decreased. (See the appendix for a detailed explanation of "fair use.")

#### Cheating

Cheating is wrongfully and unfairly acting out of self-interest for personal gain by seeking or accepting an unauthorized advantage over one's peers. Examples include, but are not limited to, obtaining questions or answers to tests or quizzes, and getting assistance on case write-ups or other projects beyond what is authorized by the assigning instructor. It is also cheating to accept the benefit(s) of another person's theft(s) even if not actively sought. For instance, if one continues to be attentive to an overhead conversation about a test or case write-up even if initial exposure to such information was accidental and beyond the control of the student in question, one is also cheating. If a student overhears a conversation or any information that any faculty member might reasonably wish to withhold from the student, the student should inform the faculty member(s) of the information and circumstance under which it was overheard.

#### Actions Required for Responding to Suspected and Known Violations

As stated, everyone must abide by the Honor System and be intolerant of violations. If you suspect a violation has occurred, you should first speak to the suspected violator in an attempt to determine if an infraction has taken place. If, after doing so, you still believe that a violation has occurred, you must tell the suspected violator that he or she must report himself or herself to the course professor or Associate Dean of the Graduate School of Business. If the individual fails to report himself or herself within 48 hours, it then becomes your obligation to report the infraction to the course professor or the Associate Dean of the Graduate School of Business. Remember that although you are not required by regulation to take any action, our Honor System is only as effective as you make it. If you remain silent when you suspect or know of a violation, you are approving of such dishonorable conduct as the community standard. You are thereby precipitating a repetition of such violations.

## The Honor Pledge

The University of Texas at Austin McCombs School of Business requires each enrolled student to adopt the Honor System. The Honor Pledge best describes the conduct promoted by the Honor System. It is as follows:

"I affirm that I belong to the honorable community of The University of Texas at Austin Graduate School of Business. I will not lie, cheat or steal, nor will I tolerate those who do."

"I pledge my full support to the Honor System. I agree to be bound at all times by the Honor System and understand that any violation may result in my dismissal from the Graduate School of Business."