



Course FIN 6310, Section 501, Investment Management
Professor Yexiao Xu
Term Fall 2010
Meetings Monday, 7:00-9:45PM

Professor's Contact Information

Office Phone	(972)883-6703
Office Location	SM 3.812 (School of Management Building)
Email Address	yexiaoxu@utdallas.edu
Office Hours	Monday 5:00-6:30PM
Other Information	Lecture notes and homework assignment can be downloaded from my webpage: http://www.utdallas.edu/~yexiaoxu Grades will be posted on eLearning, but I do not read mail from the site!

General Course Information

Pre-requisites,	Fin 6306, Stat 5311, and Fin 6301
Course Description	<p>During the recent financial crisis and the economic recovery, we have experienced wide ride in the stock markets not only at home but abroad as well. Such volatile markets provide both challenges and opportunities for investors. As a first step, we need to understand the workings of capital markets. This course is intended to provide a general overview of capital markets, financial instruments, and investment process. We will emphasize the role of modern financial theory in portfolio management. Therefore, we will cover a wide range of topics such as, financial markets, security valuation, asset allocation, risk management, modern asset pricing theories, performance measurement, active portfolio management, financial derivatives, and fixed income securities. By the end of the semester, I hope you will understand how financial markets work, be able to analyze securities, and to make intelligent investment decisions. The course will also improve your ability to read financial articles and to understand current issues in financial markets.</p> <p>Because of the risky nature of investment securities, most financial decisions are made under uncertainty and based on future cash flows projection. Therefore, statistical knowledge is required, especially knowledge on probability distributions, mean, variance, covariance, and regression analysis. You must take STAT 5311 first. It is also very important to review your calculus textbook, on the topics such as derivative and optimization. In addition, financial Management (Fin6301) is also a prerequisite.</p>
Learning Outcomes	<ol style="list-style-type: none">1. Be able to understand how financial markets work2. Be able to construct and to understand different approaches in managing investment portfolios3. Be able to apply asset pricing models and to evaluate investment performance
Required Texts & Materials	Bodie, Kane and Marcus, <i>Investments</i> , 8th edition
Suggested Texts, Readings, & Materials	Burton G. Malkiel, <i>Random Walk Down Wall Street</i> Wall Street Journal or financial section of major newspapers such as the New York Times, and watch financial programs. There are several interesting movies such as: <i>Wall Street</i> , <i>Trading Places</i> , <i>Barbarians at Gate</i> , <i>Boiler Room</i> .

Assignments & Academic Calendar

	The Investment Decision
Aug. 23 Lecture 1	Introduction and Statistics Review Financial assets and system Investment process Statistics and Math review BKM, Chapters 1, 2.1-2.3, 2.5
Aug. 30 Lecture 2	Security Market Major types of securities Trading mechanism Margin purchase Short sales BKM, Chapters 2.1-2.3, 2.5, and 3
Sep. 06	Labor Day (no class)
Sep. 13 Lecture 3	Valuing Security Note: Problem Set 1 Due in Class Investment companies Return and Index calculation Dividend Discount Models Price and Earning Ratio BKM, Chapters 4, 24.1, 2.4, 18.1-18.4, and 5.4
Sep. 20 Lecture 4	Portfolio Theory Measuring risk and return Characterizing portfolio returns Diversification Efficient frontier BKM, Chapters 5, 6.2-6.4, and 7.2
Sep. 27 Lecture 5	Portfolio Theory (continue) Note: Problem Set 2 Due in Class Diversification again Classification of risks Efficient frontier with risk-free assets Shape ratio and optimality condition Estimation of input variables BKM, Chapter 7
Oct. 04 Lecture 6	The Asset Pricing Model Markets in Equilibrium The Capital Asset Pricing Model (CAPM) Estimating the CAPM Testing the CAPM BKM, Chapters 9.1-9.5, and 13.1
Oct. 11 Lecture 7	The APT and Multifactor Models Note: Problem Set 3 Due in Class Index model Multifactor Models The Arbitrage Pricing Theory (APT) CAPM v.s. APT BKM, Chapters 8.1-8.3, 10, and 13.2-13.3
Oct. 18	Midterm exam

Oct. 25 Lecture 8	Efficient Markets Random walk hypothesis Three forms of market efficiency Implications of EMH Evidence on market efficiency BKM, Chapter 11
Nov. 01 Lecture 9	Portfolio Management Styles of Investment Management Why are returns predictable? Market efficiency versus predictability Market timing The Treynor-Black Model and Black-Litterman Model BKM, Chapters 27 and 24.4 Note: Problem Set 4 Due in Class
Nov. 08 Lecture 10	Portfolio Performance Different performance measure Style analysis Performance attribution BKM, Chapter 24
Nov. 15 Lecture 11	Options Introduction to options Put and call parity Binomial option pricing Black-Scholes option valuation BKM, Chapters 20.1-20.5 and 21.1-21.5 Note: Problem Set 5 Due in Class
Nov. 22 Lecture 12	Fixed Income Security Bond yields and pricing Default premiums Term structure of interest rates BKM, Chapters 14 and 15
Nov. 29 Lecture 13	Managing Interest Rate Risk Interest rate sensitivity Duration Interest rate swaps BKM, Chapter 16 Note: Problem Set 6 Due in Class
Dec. 06	Final exam

Course Policies

Grading (credit) Criteria	Problem Sets 30% Midterm Examination 30% Final Examination 40% (Please directly contact my TA for grading issues!) You must take the final exam in order to receive a grade for the course
Homework	There will be five problem sets one mini-case distributed during the semester. I will drop the lowest grade on the problem sets so that only four problem sets and the case count toward the final grade. All homework assignments should be submitted prior to class on the due date. You need to show your work in order to get the full credit. If you use Excel, please email it to my TA. No late homework will be accepted. Solutions to the problem sets will be posted on my website

	<p>at http://www.utdallas.edu/~yexiaoxu . In the event that you are unable to attend a particular class, you may either email your homework to my TA or have someone else to turn it in. Group discussion of homework problems is allowed but each student must prepare his/her own solution to each problem set. Similar solutions or exact copies will all be considered as cheating behavior.</p>
Exams	<p>There will be one in-class midterm and a final exam. In order to be fair to everyone, exams must be taken on the specified dates. For those who can not take the midterm on the date of exam due to business travel should take the exam before leaving the town. No additional credit or make up final will be granted. Both midterm and final exams will consist of conceptual and problem solving questions. All exams are <i>closed book</i> and <i>closed notes</i> exams. No outside paper is allowed. I will provide you with scratch paper and a formula sheet. No cell phone, PDA, financial or graphing calculator, and other electronic devices, except a SIMPLE (non-programmable) scientific calculator, are allowed.</p>
Class Attendance	<p>Not enforced but strongly encouraged. You will be responsible for all the materials discussed in class.</p>
Classroom Citizenship	<p>Strongly encourage class discussion</p>
Student Conduct and Discipline	<p>The University of Texas System and The University of Texas at Dallas have rules and regulations for the orderly and efficient conduct of their business. It is the responsibility of each student and each student organization to be knowledgeable about the rules and regulations which govern student conduct and activities. General information on student conduct and discipline is contained in the UTD publication, <i>A to Z Guide</i>, which is provided to all registered students each academic year.</p> <p>The University of Texas at Dallas administers student discipline within the procedures of recognized and established due process. Procedures are defined and described in the <i>Rules and Regulations, Board of Regents, The University of Texas System, Part 1, Chapter VI, Section 3</i>, and in Title V, Rules on Student Services and Activities of the university's <i>Handbook of Operating Procedures</i>. Copies of these rules and regulations are available to students in the Office of the Dean of Students, where staff members are available to assist students in interpreting the rules and regulations (SU 1.602, 972/883-6391).</p> <p>A student at the university neither loses the rights nor escapes the responsibilities of citizenship. He or she is expected to obey federal, state, and local laws as well as the Regents' Rules, university regulations, and administrative rules. Students are subject to discipline for violating the standards of conduct whether such conduct takes place on or off campus, or whether <u>civil or criminal penalties are also imposed for such conduct.</u></p>
Academic Integrity	<p>The faculty expects from its students a high level of responsibility and academic honesty. Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that a student demonstrate a high standard of individual honor in his or her scholastic work.</p> <p>Scholastic dishonesty includes, but is not limited to, statements, acts or omissions related to applications for enrollment or the award of a degree, and/or the submission as one's own work or material that is not one's own. As a general rule, scholastic dishonesty involves one of the following acts: cheating, plagiarism, collusion and/or falsifying academic records. Students suspected of academic dishonesty are subject to disciplinary proceedings.</p> <p>Plagiarism, especially from the web, from portions of papers for other classes, and from any other source is unacceptable and will be dealt with under the university's policy on plagiarism (see general catalog for details). This course will use the resources of turnitin.com, which searches the web for possible plagiarism and is over 90% effective.</p>
Email Use	<p>The University of Texas at Dallas recognizes the value and efficiency of communication</p>

	<p>between faculty/staff and students through electronic mail. At the same time, email raises some issues concerning security and the identity of each individual in an email exchange. The university encourages all official student email correspondence be sent only to a student's U.T. Dallas email address and that faculty and staff consider email from students official only if it originates from a UTD student account. This allows the university to maintain a high degree of confidence in the identity of all individual corresponding and the security of the transmitted information. UTD furnishes each student with a free email account that is to be used in all communication with university personnel. The Department of Information Resources at U.T. Dallas provides a method for students to have their U.T. Dallas mail forwarded to other accounts.</p>
<p>Withdrawal from Class</p>	<p>The administration of this institution has set deadlines for withdrawal of any college-level courses. These dates and times are published in that semester's course catalog. Administration procedures must be followed. It is the student's responsibility to handle withdrawal requirements from any class. In other words, I cannot drop or withdraw any student. You must do the proper paperwork to ensure that you will not receive a final grade of "F" in a course if you choose not to attend the class once you are enrolled.</p>
<p>Student Grievance Procedures</p>	<p>Procedures for student grievances are found in Title V, Rules on Student Services and Activities, of the university's <i>Handbook of Operating Procedures</i>.</p> <p>In attempting to resolve any student grievance regarding grades, evaluations, or other fulfillments of academic responsibility, it is the obligation of the student first to make a serious effort to resolve the matter with the instructor, supervisor, administrator, or committee with whom the grievance originates (hereafter called "the respondent"). Individual faculty members retain primary responsibility for assigning grades and evaluations. If the matter cannot be resolved at that level, the grievance must be submitted in writing to the respondent with a copy of the respondent's School Dean. If the matter is not resolved by the written response provided by the respondent, the student may submit a written appeal to the School Dean. If the grievance is not resolved by the School Dean's decision, the student may make a written appeal to the Dean of Graduate or Undergraduate Education, and the dean will appoint and convene an Academic Appeals Panel. The decision of the Academic Appeals Panel is final. The results of the academic appeals process will be distributed to all involved parties.</p> <p>Copies of these rules and regulations are available to students in the Office of the Dean of Students, where staff members are available to assist students in interpreting the rules and regulations.</p>
<p>Incomplete Grades</p>	<p>As per university policy, incomplete grades will be granted only for work unavoidably missed at the semester's end and only if 70% of the course work has been completed. An incomplete grade must be resolved within eight (8) weeks from the first day of the subsequent long semester. If the required work to complete the course and to remove the incomplete grade is not submitted by the specified deadline, the incomplete grade is changed automatically to a grade of F.</p>
<p>Disability Services</p>	<p>The goal of Disability Services is to provide students with disabilities educational opportunities equal to those of their non-disabled peers. Disability Services is located in room 1.610 in the Student Union. Office hours are Monday and Thursday, 8:30 a.m. to 6:30 p.m.; Tuesday and Wednesday, 8:30 a.m. to 7:30 p.m.; and Friday, 8:30a.m to 5:30p.m</p> <p>The contact information for the Office of Disability Services is: The University of Texas at Dallas, SU 22 PO Box 830688 Richardson, Texas 75083-0688 (972) 883-2098 (voice or TTY)</p> <p>Essentially, the law requires that colleges and universities make those reasonable adjustments necessary to eliminate discrimination on the basis of disability. For example, it may be necessary to remove classroom prohibitions against tape recorders or animals (in the case of dog guides) for students who are blind. Occasionally an assignment requirement may be substituted (for example, a research paper versus an oral presentation for a student who is hearing impaired). Classes enrolled students with mobility impairments may have to be rescheduled in accessible facilities. The college or university may need to provide special services such as registration, note-taking, or mobility assistance.</p> <p>It is the student's responsibility to notify his or her professors of the need for such an accommodation. Disability Services provides students with letters to present to faculty</p>

	<p>members to verify that the student has a disability and needs accommodations. Individuals requiring special accommodation should contact the professor after class or during office hours.</p>
<p>Religious Holy Days</p>	<p>The University of Texas at Dallas will excuse a student from class or other required activities for the travel to and observance of a religious holy day for a religion whose places of worship are exempt from property tax under Section 11.20, Tax Code, Texas Code Annotated.</p> <p>The student is encouraged to notify the instructor or activity sponsor as soon as possible regarding the absence, preferably in advance of the assignment. The student, so excused, will be allowed to take the exam or complete the assignment within a reasonable time after the absence: a period equal to the length of the absence, up to a maximum of one week. A student who notifies the instructor and completes any missed exam or assignment may not be penalized for the absence. A student who fails to complete the exam or assignment within the prescribed period may receive a failing grade for that exam or assignment.</p> <p>If a student or an instructor disagrees about the nature of the absence [i.e., for the purpose of observing a religious holy day] or if there is similar disagreement about whether the student has been given a reasonable time to complete any missed assignments or examinations, either the student or the instructor may request a ruling from the chief executive officer of the institution, or his or her designee. The chief executive officer or designee must take into account the legislative intent of TEC 51.911(b), and the student and instructor will abide by the decision of the chief executive officer or designee.</p>
<p>Off-Campus Instruction and Course Activities</p>	<p>Off-campus, out-of-state, and foreign instruction and activities are subject to state law and University policies and procedures regarding travel and risk-related activities. Information regarding these rules and regulations may be found at http://www.utdallas.edu/BusinessAffairs/Travel_Risk_Activities.htm. Additional information is available from the office of the school dean.</p>

These descriptions and timelines are subject to change at the discretion of the Professor.

**University of Texas at Dallas
School of Management**

**Fin 6310
Section 501**

**Prof. Yexiao Xu
Fall 2010**

About Yourself

In order for me to better organize the course, and to adapt the materials to your background, would you please tell me more about yourself?

Your Name _____

Your Phone Number _____

Your Email Address _____

(Please send me an email with your full name, so that I can compile a mailing list)

Your Job _____

Your Background

Finance Class _____

Economics Class _____

Accounting Courses _____

Statistics and Math Courses _____

Other related Courses _____

Survey:

Do you read sports section of a newspaper?

Never _____ Occasionally _____ Often _____

Do you read financial newspapers, such as the Wall Street Journal, the Financial Times, the financial section of the New York Times, etc.?

Never _____ Occasionally _____ Often _____

Do you read financial magazines, such as Money Magazine, Business Week, Forbs, etc.?

Never _____ Occasionally _____ Often _____

Do you watch financial programs, such as Nightly Business News, CNBC, Wall Street Week with Louis Rukeyser, etc.?

Never _____ Occasionally _____ Often _____

Your Comments: