



# Lincoln University

## BA 463

## Investment Science

### COURSE SYLLABUS

Department of Business and Economics

Fall, 2011

**Lecture Schedule:** Thursday, 3:30 PM – 6:15 PM  
**Credit:** 4 units (45 lecture hours + 45 self-study hours)  
**Instructor:** Prof. Sergey Aityan  
**Office Hours:** Tuesday, 11:00 AM – 12:00 PM  
Thursday, 2:00 PM – 3:00 PM  
Students are advised to schedule appointments by signing their names on the appointment list which is located on the information board next to the professor's office that will ensure exact appointment time without waiting.  
**e-mail:** [aityan@lincolnuca.edu](mailto:aityan@lincolnuca.edu)  
**☎:** (510) 628-8016

**Textbook:**                   **1. Main Textbook:**  
Frank K. Reilly and Keith C. Brown, (2009), Investment Analysis and Portfolio Management, 9<sup>th</sup> Edition, Cengage Learning, 1041 p.  
ISBN-13: 978-0-324-65612-1  
ISBN-10: 0-324-65612-2  
\*\*\* previous editions of this book are okay too \*\*\*

**Last Revision:** August 20, 2011

### CATALOG DESCRIPTION

The course introduces students to the basic tools used by investment professionals. It deals with different kinds of securities, their pricing, and methods to optimize a choice of an investment portfolio. A one-unit written research project and its oral presentation is a required part of the course. (4 units) Prerequisite: BA 360

### COURSE OBJECTIVES

To introduce students to major principles of investment and asset allocation particularly in securities markets. Students will learn how to identify and select the most optimal investment, do industry and company valuation, identify expected return, and manage risk.

### PROCEDURES AND METHODOLOGY

Lecture method is used in combination with a supervised exercises and business case study. The emphasis will be on learning by doing. Every student must participate in an

intensive classroom activity, must complete home tasks and course projects, and take quizzes and exams.

### **COURSE PROJECT**

Every student must complete and submit a course project.

### **REQUIREMENTS**

All students are required to attend classes. Continuous assessment is emphasized. Written or oral quizzes will be given every week. Reading, writing, home tasks, and “business case study” assignments will be made throughout the course. Students must complete all assignments and take all quizzes, mid-term exam and final exam on the **dates due**. Plagiarism will result in the grade “F” and a report to the administration.

### **ATTENDANCE**

Students are expected to attend each class session. If you cannot attend a class due to a valid reason, please notify the instructor prior to the class.

### **EXAMS**

Both, midterm and final exams are structured as written essay to answer the given questions. The essay must be written structurally with clear logical presentation of the answers. Graphs, charts, tables, and other supporting illustrations are required if needed. Examples to illustrate the answers are required.

Exams will cover all assigned chapters, any additional readings or supplementary materials covered in class. The exams are neither “open book” nor “open notes.”

### **GRADING AND SCORING**

Activity	Time	Percent
Quizzes, home tasks, and classroom activities	Every week	20%
Course project		20%
Mid-term exam	Second part of March	30%
Final exam	Last week of the course	30%

All results of written test will employ a numerical scoring system that is convertible to grades as indicated below.

94-100	A
90-93	A-
87-89	B+
83-86	B
80-82	B-

77-79	C+
73-76	C
70-72	C-
66-69	D+
60-65	D
0-59	F

### **MAKE-UP WORK**

Assignments are to be completed on time during the course. Late assignments will result in a reduced grade. Mid-term and final exams and group presentations cannot be made up if missed unless there is a documented emergency.

### **COURSE SCHEDULE**

**Lectures Topic**

**Chapters**

1	(a) About the Course	
	(b) The Investment Settings	Ch. 1
2	The Asset Allocation Decision	Ch. 2
3	Selecting Investment in a Global Market	Ch. 3
4	Organization and Functioning of Securities Markets	Ch. 4
5	Security Market Indexes	Ch. 5
6	Efficient Capital Markets	Ch. 6
7	Introduction to Portfolio Management	Ch. 7
8	(a) Review	Ch. 1-7
	(b) Midterm Exam	
9	An Introduction to Asset Pricing Models	Ch. 8
10	Multifactor Models of Risk and Return	Ch. 9
11	(a) Analysis of Financial Statements	Ch. 10
	(b) An Introduction to Security Valuation	Ch. 11
12	Macroanalysis and Microvaluation of the Stock Market	Ch. 12
13	Industry and Company Analysis	Ch. 13, 14
14	Project Defense	
15	(a) Review	Ch. 1-14
	(b) Comprehensive Final Exam	

### **OTHER COMMENTS**

- Please participate. What you put into the class will determine what you get out of it – and what others get out of it.
- Please come on time. Late arrivals disturb everyone else.
- If you miss a class, you are responsible for getting notes/slide printouts on the material covered from a classmate or the instructor.
- To avoid distracting noise in class, cellular phones must be turned off or the ringing mode silenced.
- Questions and comments during the class are welcome. Do not hesitate to ask questions – do not leave anything unclear for you.

### **MODIFICATION OF THE SYLLABUS**

The instructor reserves the right to modify this syllabus at any time during the semester. Announcements of any changes will be made in a classroom.