

ISYE 4311 - CAPITAL INVESTMENT ANALYSIS

Spring 2016 Syllabus

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Office Hours: Tuesday 11:15am or by appointment

1. Course Materials

There is no required text. Notes, handouts and exercises will be posted regularly and represent an integral part of the course.

Reference text: *Corporate Finance*, 2nd edition by J. Berk and P. DeMarzo. Pearson, 2011.

Supplemental reading: *Investment Science* by Luenberger, Oxford University Press, 1998.

2. Course Description and Objectives

Students learn the core concepts, issues and advanced techniques for engineering economy and financial engineering. Students also learn the economic decision analysis of complex capital investment problems and for managing and valuing project risk.

3. Course Organization

Class time will be used to motivate, explain, illustrate and expand concepts and techniques. If you must miss class it is your responsibility to catch up. It is your responsibility for obtaining class materials before each class. On occasion you will be requested to read a handout or certain parts of the book and be **prepared** to discuss during class.

4. Grading

Your grade will be determined as follows: In-class assignments count 10%, two Midterms (1st on 6/9 and 2nd on 7/7, each counts 25%), and one cumulative Final Exam (40%. 7/29).

In-class assignments can be based on (1) past course materials, (2) reading assignments or (3) material covered during the current lecture.

Midterms and final exam are in-class, closed-book, and closed-notes.

“No” re-grading.

5. Exam rules

Only a non-programmable, non-graphic, non-financial scientific calculator is acceptable (e.g. TI-30XS). Your cellphone must be off and placed face down directly in front of you in plain view. All unexcused absences will result in an exam grade of zero. No make-up tests.