

EK409 ENGINEERING ECONOMY
FALL 2012
COURSE SYLLABUS

Prof. T. A. de Winter
Office: 15 St. Mary's Street, Room 138
Phone: (617) 353-9893 (office), (603) 878-2760 (home)
FAX: (617) 353-5548 e-mail: tdw@bu.edu
Office hours: Monday 7:00-11:15AM, 1:30-4PM
Tuesday 7:00-12AM
Wednesday by appointment only
Thursday 7:00-12AM
Friday 7:00-11:15AM
Text: Engineering Economy, Thuesen & Fabrycky,
9th edition, Prentice Hall, ISBN 0-13-028128-X
Classroom: 8 St. Mary's Street, Room PHO 205
Lecture Time: Tuesday, Thursday 12:00-2:00PM
Grader: TBA
TERRIER HOCKEY Season Ticket Location in Agganis Arena
Sect.112, Row Q, Seat 2

GRADING

ATTENDANCE: Attendance will be taken and will count 10% of the semester grade. If you have two absences or fewer, you will get full credit for attendance.

EXAMS: There will be an open book in-class exam on Tuesday October 17. The take home exam, from November 16 to November 23 will also be open book!! There will also be a final exam. The exam average will constitute 60% of the semester grade.

HOMEWORK: There will be regular homeworks which are due on the assigned dates. The lowest grade will be dropped for anyone submitting all homeworks. Homework is 20% of the semester grade.

PROJECT: The project will be done by teams of 4 to 6 students. The project will involve modifying an annual report of a major corporation or the creation of a business plan for a small manufacturing company. The project grade will be 10% of the semester grade.

Those students, who on the last day of classes have an average of 80.00%*** or better are exempt from taking the final exam. Students with an average of 90.00% or better have earned an A. Anyone may take the final to improve their course average. Students with an average below 80.00% have not demonstrated sufficient working knowledge of the course material and are required to take the final exam.*** (see caution below)

GRADING SUMMARY:	EXAM AVERAGE	60%
	HOMEWORK	20%
	PROJECT	10%
	ATTENDANCE	10%

EK409 ENGINEERING ECONOMY
FALL 2012
LECTURE TOPICS COVERED

1. Contracts, interest relationships
2. Economic equivalence, retirement plans
3. Inflation
4. Financing of new enterprises
5. Stock ownership, stock market, annual reports
6. Comparison of alternate economic choices
7. Decision making among alternatives
8. Replacement analysis
9. Break-even and minimum cost analysis
10. Indirect cost analysis and allocation
11. Preparation of cost proposals
12. Professional ethics, protocol, conflict of interest
13. Benefit and cost analysis
14. Inventories
15. Accounting systems
16. Depreciation
17. Income taxes
18. Patents, intellectual property, trademarks, copyright
19. Employment considerations
20. Corporate Annual Reports

READING ASSIGNMENTS

All reading assignments are from Thuesen and Fabrycky, ENGINEERING ECONOMY, 9th edition, Prentice Hall, 2000. From time to time supplementary material may be handed out in class. Whenever there is a handout, it will be circulated through the classroom, and copies will be available on the desktop nearest each door. If when entering class you notice a handout on that desk, please pick one up on your way to your seat. In the event you happen to miss a handout in class, extra copies of the handouts will be available in the rack outside 15 St. Mary's Street, Room 138.

TOPIC	PAGES	WEEK*
1. Introduction(Chapters 1 and 2)	1-34	NA
2. Interest relationships(Chapter 3)	35-65	Sept. 7
3. Economic Equivalence (Chapter 4)	72-102	Sept. 14
4. Company Startup and Stockholders	Handout	Sept. 21
5. Inflation (Chapter 5)	115-139	Sept. 28
6. Bases for Comparison (Chapter 6)	152-180	Oct. 6
7. Analysis of Alternatives (Chapter 7)	190-225	Oct. 13
8. Evaluating Production Operations(Ch8)	244-284	Oct. 20
9. Indirect Costs and Proposals	Handout	Oct. 27
10. Evaluating Replacement Alts. (Ch. 9)	297-331	Nov. 2
11. Evaluating Public Activities (Ch 10)	348-374	Nov. 9
12. Accounting and Depreciation(Ch. 11)	388-414	Nov. 16
13. Income Taxes (Chapters 12)	420-456	Nov. 30
14. Estimating Economic Elements(Ch. 13)	468-499	Dec. 7
15. Scheduling, Planning, Employment		
16. Patents, Intellectual Property		

* week ending

SAMPLE EXAM COVER PAGE

EK409 ENGINEERING ECONOMY
FIRST EXAMINATION

March 18, 2000

This exam is due on Wednesday, March 20, 2000 at 12:00PM sharp,
at the start of the lecture

NAME: _____

ID #: _____

PROBLEM	POINTS
1	_____
2	_____
3	_____
4	_____
5	_____

TOTAL	_____

STATEMENT

This examination is my own work. I have not had access to anyone else's solution or notes for this exam, nor have I given anyone else access to my exam solution or notes.* I have not collaborated or discussed this exam with anyone** and I have neither received nor given any help in solving the problems I am submitting for grading.

SIGNATURE

DATE

* Anyone handing in another student's exam is deemed to have had access to that exam. If you can't hand your exam in on time yourself, contact the instructor for advice.

** With the exception of the instructor.

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CLASS LIST REGISTRATION

Note: This information and statement simply confirm your intention to attend this course, and your understanding of the syllabus, the grading policy and the honor system. It is strictly for the use of the instructor and the teaching assistant in the course. This information is necessary to list you on the grade sheet for the course. Since the official class lists are not available until well after the start of the semester, and even then are not always complete, you cannot be sure of being on the grade sheet until you have submitted this information.

NAME: _____

ID#: _____

MAJOR: _____

TERM PHONE #: _____ *

e-mail address: _____ *

SPECIAL INTERESTS _____

* Listing your phone number and/or e-mail address will allow us to get in touch with you in case of excessive absences, missed assignments or exams or to make wake-up calls.

I acknowledge the receipt of the EK409 ENGINEERING ECONOMY syllabus for the FALL 2012 Semester. I have read and I understand the grading policy and the due dates for exams. I have also read the sample exam cover and I understand the honor policy and the honor system statement which I am expected to sign with each exam in the course.

SIGNATURE

DATE