



IE 241

Cost Analysis in Engineering (3 0 3)

Fall 2024

Instructor: Figen Eren

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Course Description: Introduction to accounting systems; basics of financial accounting; preparation and analysis of financial statements; inventory valuation and depreciation methods; cost terms and classifications; cost-volume-profit analysis; budgeting; variance analysis; allocation of common costs and joint costs; costing systems and their practices in manufacturing and service industry; pricing decisions and cost management.

Class meeting hours:

LECTURE	Monday	Tuesday	Wednesday	Thursday	Friday
09:20					
10:20					
11:20					
12:20					
13:20			Sec 1 -LA 14		
14:20			Sec 1 -LA 14		
15:20			Sec 2 -LA 14		Sec 1 -LA 14
16:20			Sec 2 -LA 14		Sec 2 -LA 14

Textbook: (1) Charles T. Horngren, Srikant M. Datar, Madhav V. Rajan, Cost Accounting, A Managerial Emphasis, Pearson, 2012

(2) Jae K. Shim , Joel G. Siegel, Financial Accounting, McGraw Hill, 1999

Supplementary course material:

Leslie G. Eldenburg, Susan K. Wolcott, Cost Management, John Wiley & Sons, 2011

Attendance: Attendance at lectures will be taken and it is of student's benefit to attend all of the lecture hours. It is best if you fully attend every hour. If you miss even a single hour, you will find it hard to understand the following course material since the topics are interrelated.

Web page: Every student is responsible to check the page of the course, webonline.cankaya.edu.tr, regularly (at least twice a week). All the related announcements, lecture notes, grades, attendance and other information will be uploaded.

Tentative Course Schedule:

Week	Topic	Textbook and chapter(s)
1 (Sept 30-Oct 4)	Introduction to Accounting Systems, Basics of Financial Accounting	(2) Chp1
2 (Oct 7-11)	Financial Transaction Recording, Preparing Financial Statements	(2) Chp2,3
3 (Oct 14-18)	Inventory Valuation, Depreciation Methods	(2) Chp8,10
4 (Oct 21-25)	Introduction to Cost Terms and Classification of Costs	(1) Chp 2
5 (Oct 28-Nov 1)	Cost Behavior and Cost Functions	(1) Chp 2
6 (Nov 4-8)	Cost-Volume-Profit Analysis	(1) Chp 3
7 (Nov 11-15)	Master Budget	(1) Chp 6
8 (Nov 18-22)	Flexible Budget and Variance Analysis	(1) Chp 7
9 (Nov 25-29)	Allocation of Support Department Costs, Common Costs and Revenues	(1) Chp 15
10 (Dec 2-6)	Allocation of Joint Costs	(1) Chp 16
11 (Dec 11-15)	Job Costing	(1) Chp 4
12 (Dec 18-22)	Activity Based Costing	(1) Chp 5
13 (Dec 25-29)	Process Costing	(1) Chp 17
14 (Jan 2-5)	Pricing Decisions and Cost Management	(1) Chp 12

<u>Grading:</u>	Midterm	33%
	Final Exam	37%
	HW (team work)	30%

Make-Ups: There will be a single make-up exam for midterm and for final for students with a valid excuse. There is no make-up for the make-up exams.

Home Work: You will be assigned several homework questions and you are supposed to solve them together with your group members, and return a single answer paper per group.

HW1: *Upload the names of your HW group members (minimum 2 - maximum 3 students)*

Conditions that may lead to the letter grade “NA”:

- **Not attending the Midterm Exam (or its makeup) or the Final Exam (or its makeup);**
 - **If you fail to take the midterm exam (or its makeup), you will NOT be able to take the final exam and you will receive the letter grade NA.**
 - **If you are eligible to take the final exam but fail to take it (or its makeup) you will receive the letter grade NA.**
- **If you failed the class with an attendance below 50% you will get the letter grade NA.**

Academic Integrity: The students, who are expected to be a graduate of Çankaya University, Industrial Engineering Department, are expected to act honestly and ethically. Therefore, any form of dishonesty will not be tolerated. This means throughout this course, you only get credit for your (in exams) or your scheduled group’s work.

Honor Code: *Every Industrial Engineering Department student should declare her/his understanding and belief in the Honor Code stated by the department for the examinations and assignments:*

Exam:

Please read the following Honor Code carefully. Then write I agree. [Kabul ediyorum.] and sign underneath to show your understanding and belief in the Honor Code.

I hereby declare that I have neither given nor received any aid during the exam. [Sınav sırasında hiç kimseden hiçbir şekilde yardım almadığımı ve hiçbir kimseye hiçbir şekilde yardım etmediğimi beyan ederim.]

Assignment:

For individual assignments, each student (for team work assignments, only one member of the study team) should write the following Honor Code with her/his own handwriting on the cover page of your assignment report, and each student should sign underneath.

I(We) hereby declare that, except where I (we) have indicated, the work I (we) am (are) submitting in this assignment (project, report, ...)is my (our) own work. [Sunmakta olduğum (olduğumuz) bu ödevin (projenin, raporun,...), belirttiğim (belirttiğimiz) kısımların haricinde, tamamen kendi eserim (eserimiz) olduğunu beyan ederim (ederiz).]

**NOTE THAT EVERYTHING ON THIS SYLLABUS IS SUBJECT TO CHANGE.
STUDENTS WILL BE NOTED ABOUT ANY CHANGE.**