

IE 241 Cost Analysis in Engineering (3 0 3) (ECTS: 5)
2022-2023 Fall – Tentative Syllabus

Instructor:

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Office Hour: Monday 14:00-17:00

Assistant:

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Office Hour: TBD

Catalog 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.

Text Book:

1. Charles T. Horngren, Srikant M. Datar, Madhav V. Rajan, Cost Accounting - A Managerial Emphasis, 14th Edition, Pearson, 2012
2. Jae K. Shim, Joel G. Siegel, Financial Accounting, McGraw Hill, 2013

Reference Books:

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

Course Outline:

1	Introduction to Accounting Systems, Basics of Financial Accounting
2	Financial Transaction Recording, Preparing Financial Statements
3	Inventory Valuation, Depreciation Methods
4	Introduction to Cost Terms and Classification of Costs
5	Cost Behavior and Cost Functions
6	Cost-Volume-Profit Analysis
7	Master Budget
8	Flexible Budget and Variance Analysis
9	Allocation of Support Department Costs, Common Costs and Revenues
10	Allocation of Joint Costs
11	Job Costing
12	Activity Based Costing
13	Process Costing
14	Pricing Decisions and Cost Management

Class Meeting Hours:

Section 1	Tue. 09:20-11:10	Wed. 12:20-13:10
Section 2	Tue. 13:20-15:10	Wed. 13:20-14:10

Tentative Grading:

- % 15 Homework (3 assignments, each is 5%)
- % 15 Quizzes (5 quizzes, each is 3%)
- % 33 Midterm Exam
- % 37 Final Exam

Letter grades will be mainly based on the catalogue grading system described in Çankaya University regulations.

Note that the instructor reserves the right to modify these percentages in case she finds it necessary.

Academic Integrity: All students admitted to Çankaya University are expected to act honestly and ethically. Therefore, any form of dishonesty will not be tolerated. Every student should declare his/her understanding and belief in the Honor Code stated by the department for the examinations and assignments.

Make-up Exams: If a student misses midterm exam or final exam and has a valid excuse for his/her absence, a make-up exam will be given. ***A make-up exam may have a different format and may contain different type of questions than the regular exam.***

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 4 quizzes out of 5, you will receive the letter grade NA in case of failing the class.
 - 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.

Course Website:

- Communication will be made through course page at <http://webonline.cankaya.edu.tr>
- Announcements, lecture notes, grades, and other information will be uploaded to course page.
- Every student should check the course page regularly. Students are also responsible for printing the course material (lecture notes, exercises, etc.) from the course web page.

Exams and Homework:

- There will be one midterm exam, final exam, five quizzes, and three homework assignments in this course.
- In *homework assignments*, students should work in teams of *maximum three students*.
 - It is the student's responsibility to find his/her team members.
 - Each team should submit a single written document including their work for each homework assignment.
- Further details about midterm exam, quizzes, homework assignments, and final exam will be given later.

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