



ESOGÜ Mechanical Engineering Department COURSE INFORMATION FORM

SEMESTER	Spring
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COURSE CODE		COURSE NAME	Cost Analysis
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SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
6	3	0	0	3	3	COMPULSORY () ELECTIVE (X)	English

COURSE CATAGORY

Basic Science	Basic Engineering	Mechanical Engineering Profession [if it contains considerable design, mark with (√)]	Social Science
	X		

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	40
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (.....)		
FINAL EXAM		1	60

PREREQUIEITE(S)

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COURSE DESCRIPTION

Management impartial decision makers, relevant, timely and reliable information to produce. To this end, the product or service offered produced a variety of cost accounting and cost calculation and analysis of the results obtained is converted into useful information using the techniques of analysis and interpretation of the information content of the course is done.

COURSE OBJECTIVES

Calculation of the cost of production of the product produced by enterprises, the classification of production costs, the costs are to be analyzed by different methods.

ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION

Cost analysis of the course; Engineering Economics, Investment Analysis, Work Study, Productivity Management, Human Resource Management, Business Law, Multiple Criteria Decision Making, as well as help in many areas, such as Total Quality Management, as well as the analytical solution to the problems students encounter in their professional lives to find the finds contribution.

COURSE OUTCOMES

- 1.Explain Cost Accounting Systems.
- 2.Be able to explain the elements of the cost of production
- 3.Cost distributions (the first and second distribution) able to.
- 4.According to Job Order Costing System to calculate product costs..
- 5.Single and Multiple Process Cost to calculate the cost of finished products according to our system.
- 6.Cost Systems to calculate the cost of finished goods

	manufactured by United and the side. 7. Cost-volume-profit analysis to calculate the cost depending on the relationship.
TEXTBOOK	BÜYÜKMİRZA, Kamil. 2009, Management and Cost Accounting, Gazi Kitapevi, 14th., Ankara.
OTHER REFERENCES	BURSAL, N. and ERCAN, Y., 1995, Cost Accounting, Open Education Faculty Publication No. 476, Eskisehir, Turkey.
TOOLS AND EQUIPMENTS REQUIRED	

COURSE SYLLABUS	
WEEK	TOPICS
1	An Introduction to Cost Terms and Purposes
2	Material Costs
3	Labor Costs and Overhead Costs - I. distribution
4	General Production Costs - II. distribution
5	General Production Costs - II. and III. distribution
6	Cost Allocation: Joint Products and Byproducts
7	Cost Allocation: Joint Products and Byproducts
8	Job Order Costing System
9	Process Costing
10	Comparison of Job and Process Costing Systems: Spoilage, Rework and Scrap Analysis
11	Cost-Volume-Profit Analysis
12	Cost-Volume-Profit Analysis
13	Standard Costing: Variance Analysis
14	Decision Making Analysis
15,16	Final Examination

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of engineering subjects related with mathematics, science and own branch; an ability to apply theoretical and practical knowledge on solving and modeling of engineering problems.	X		
2	Ability to determine, define, formulate and solve complex engineering problems; for that purpose an ability to select and use convenient analytical and experimental methods.		X	
3	Ability to design a complex system, a component and/or an engineering process under real life constraints or conditions, defined by environmental, economical and political problems; for that purpose an ability to apply modern design methods.			X
4	Ability to develop, select and use modern methods and tools required for engineering applications; ability to effective use of information technologies.		X	
5	In order to investigate engineering problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.			X
6	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	X		
7	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X	
8	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	X		
9	Understanding of professional and ethical issues and taking responsibility		X	
10	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.		X	
11	Knowledge of actual problems and effects of engineering applications on health, environment and security in global and social scale; an awareness of juridical results of engineering solutions.		X	
1:None. 2:Partially contribution. 3: Completely contribution.				

Instructor(s): Res.Assist. Dr. Özge Yetik

Signature:

Date:

29/05/2021