



Al al-Bayt University
Accounting Department

COST ACCOUNTING BY EXCEL

2020 / 2021

Dr. SAKHR BANI-KHALED



Course Outline of Cost Accounting Using Computer

1. Instructor's Information

Instructor's / Coordinator's Name:	Sakhr Marei Hasan Bani Khaled
Office Hours:	10 – 11
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Research and Teaching Assistant/ Supervisor / Technical (if any):	

2. Course Description

This course consists of a discussion of cost accounting concepts and objectives, an in-depth study of cost accounting systems and accumulation procedures and a search into the elements of material, labor, and factory overhead costs by computer (Microsoft Excel).

3. Course Information

Course No.: 0508372	Course Title: Cost Accounting Using Computer	Level: Bachelor
Course Type: Theoretical / Practical	Prerequisite: 0504232 & 0901132	Class Time: -----
Academic Year: 2019 / 2020	Semester: Second semester	Study hours: 3

4. Course Objectives:

Upon successful completion of this course, students will be able to:

1. Describe Introduction to Managerial Accounting.
2. Explain the Cost-Volume-Profit and Business Scalability by (Excel).
3. Describe Job Costing and Modern Cost Management Systems by (Excel).
4. Evaluate the Process Costing and Activity-Based Costing by (Excel).

5. Learning Outcomes (Knowledge, Skills, and Competencies)

Upon successful completion of the course, the students will be able to:

Chapter	Learning Outcomes
An Introduction to Cost Terms and Purposes	<ol style="list-style-type: none"> 1. Define and illustrate a cost object. 2. Distinguish between direct costs and indirect costs. 3. Explain variable costs and fixed costs. 4. Interpret unit costs cautiously. 5. Distinguish inventoriable costs from period costs. 6. Illustrate the flow of inventoriable and period costs. 7. Explain why product costs are computed in different ways for different purposes. 8. Describe a framework for cost accounting and cost management
Cost-Volume-Profit and Business Scalability	<ol style="list-style-type: none"> 1. Cost Behavior (Excel) 2. Cost Behavior Analysis (Excel) 3. Break-Even and Target Income (Excel) 4. Sensitivity Analysis (Excel) 5. CVP For Multiple Products (Excel)
Job Costing and Modern Cost Management Systems	<ol style="list-style-type: none"> 1. Job Costing Concepts 2. Tracking Job Costs Within the Corporate Ledger (Excel) 3. Accounting for Actual and Applied Overhead (Excel) 4. Modern Management of Costs and Quality (Excel)
Activity-Based Costing and Activity-Based Management	<ol style="list-style-type: none"> 1. Explain how broad averaging under costs and over costs products or services. 2. Present three guidelines for refining a costing system. 3. Distinguish between simple and activity-based costing systems. 4. Describe a four-part cost hierarchy. 5. Cost products or services using activity-based costing (Excel) 6. Evaluate the benefits and costs of implementing activity-based costing systems (Excel) 7. Explain how managers use activity-based costing systems in activity-based management. 8. Compare activity-based costing systems and department costing systems (Excel)
Process Costing and Activity-Based Costing	<ol style="list-style-type: none"> 1. Process Costing (Excel) 2. Equivalent Units (Excel) 3. Cost Allocation To Completed Units And Units In Process (Excel) 4. Activity-Based Costing (Excel)

6. Course Content

Week	Subject
First	<ul style="list-style-type: none"> An introduction to cost terms and purposes
Second	<ul style="list-style-type: none"> Distinguish inventoriable costs from period costs and illustrate the flow of inventoriable and period costs (Excel)
Third	<ul style="list-style-type: none"> Cost behavior (Excel)
Fourth	<ul style="list-style-type: none"> Cost behavior analysis (Excel)
Fifth	<ul style="list-style-type: none"> Break-even and target income (Excel)
Sixth	<ul style="list-style-type: none"> Sensitivity analysis (excel) and CVP for multiple products (Excel)
Seventh	First Exam
Eighth	<ul style="list-style-type: none"> Job costing concepts
Ninth	<ul style="list-style-type: none"> Tracking job costs within the corporate ledger (Excel)
Tenth	<ul style="list-style-type: none"> Accounting for actual and applied overhead. Modern management of costs and quality (Excel)
Eleventh	<ul style="list-style-type: none"> Distinguish between simple and activity-based costing systems. Describe a four-part cost hierarchy.
Twelfth	<ul style="list-style-type: none"> Cost products or services using activity-based costing (Excel) Evaluate the benefits and costs of implementing activity-based costing systems (Excel)
Thirteenth	Second Exam
Fourteenth	<ul style="list-style-type: none"> Process costing (Excel) Equivalent units (Excel)
Fifteenth	<ul style="list-style-type: none"> Cost allocation to completed units and units in process (Excel) Activity-based costing (Excel)
Sixteenth	Final Exam

7. Teaching and Learning Strategies and Evaluation Methods

No.	Learning Outcomes	Teaching Strategies	Learning Activities	Measurement Type			
				Exam	presentations	discussion	assignments
1.	An Introduction to Cost Terms and Purposes (Theory)	<ul style="list-style-type: none"> Brainstorming strategy Interactive Learning Strategy 	<ul style="list-style-type: none"> Lectures Presentations Participation and interaction 	-	✓	✓	-

2.	Distinguish inventoriable costs from period costs and Illustrate the flow of inventoriable and period costs (Excel)	<ul style="list-style-type: none"> • Brainstorming strategy • Interactive Learning Strategy 	<ul style="list-style-type: none"> • Lectures • Presentations • Participation and interaction 	-	✓	✓	-
3.	Cost Behavior (Excel)	<ul style="list-style-type: none"> • Brainstorming strategy • Interactive Learning Strategy 	<ul style="list-style-type: none"> • Lectures • Presentations • Participation and interaction 	-	✓	✓	-
4.	Cost Behavior Analysis (Excel)	<ul style="list-style-type: none"> • Brainstorming strategy • Interactive Learning Strategy 	<ul style="list-style-type: none"> • Lectures • Presentations • Participation and interaction 	✓	-	-	✓
5.	Break-Even and Target Income (Excel)	<ul style="list-style-type: none"> • Brainstorming strategy • Interactive Learning Strategy 	<ul style="list-style-type: none"> • Lectures • Presentations • Participation and interaction 	-	✓	✓	-
6.	Sensitivity Analysis (Excel) & CVP For Multiple Products (Excel)	<ul style="list-style-type: none"> • Brainstorming strategy • Interactive Learning Strategy 	<ul style="list-style-type: none"> • Lectures • Presentations • Participation and interaction 	✓	-	-	✓
7.	Job Costing Concepts (Excel)	<ul style="list-style-type: none"> • Brainstorming strategy • Interactive Learning Strategy 	<ul style="list-style-type: none"> • Lectures • Presentations • Participation and interaction 	-	✓	✓	-
8.	Tracking Job Costs Within the Corporate Ledger (Excel)	<ul style="list-style-type: none"> • Brainstorming strategy • Interactive Learning Strategy 	<ul style="list-style-type: none"> • Lectures • Presentations • Participation and interaction 	✓	-	-	✓
9.	Accounting for Actual and Applied Overhead (Excel) & Modern Management of Costs and Quality (Excel)	<ul style="list-style-type: none"> • Brainstorming strategy • Interactive Learning Strategy 	<ul style="list-style-type: none"> • Lectures • Presentations • Participation and interaction 	-	✓	✓	-
10.	Distinguish between simple and activity-based costing systems & Describe a four-part cost hierarchy.	<ul style="list-style-type: none"> • Brainstorming strategy • Interactive Learning Strategy 	<ul style="list-style-type: none"> • Lectures • Presentations • Participation and interaction 	✓	-	-	✓
11.	Cost products or services using activity-based costing (Excel) & Evaluate the benefits and costs of implementing activity-based costing systems (Excel)	<ul style="list-style-type: none"> • Brainstorming strategy • Interactive Learning Strategy 	<ul style="list-style-type: none"> • Lectures • Presentations • Participation and interaction 	-	✓	✓	-
12.	Process Costing (Excel) & Equivalent Units (Excel)	<ul style="list-style-type: none"> • Brainstorming strategy • Interactive Learning Strategy 	<ul style="list-style-type: none"> • Lectures • Presentations • Participation and interaction 	✓	-	-	✓
13.	Cost Allocation to Completed Units and Units in Process (Excel) & Activity-Based Costing (Excel)	<ul style="list-style-type: none"> • Brainstorming strategy • Interactive Learning Strategy 	<ul style="list-style-type: none"> • Lectures • Presentations • Participation and interaction 	-	✓	✓	-

8. Assessment

Methods Used	Assessment Time	Distribution of grades
1. semester work (report, assignments, attendance)	During semester	15%
2. First Exam	Seventh week	-
3. Midterm Exam	Tenth week	35%
4. Second Exam	Twelfth week	-
5. Final Exam	Week of the final exams	50 %

9. Textbook

Main Reference	Horngren's cost accounting: a managerial emphasis
Author	Datar, Srikant M.; Rajan, Madhav V.
Publisher	Pearson
Year	2018
Edition	16th, global edition
Textbook Website	http://www.myexcelab.com/managerial.html

10. Extra References (books and research published in periodicals or websites)

1-	Management and Cost Accounting, Colin Drury, 10th Ed, 2017, Cengage Learning.
2-	Cost Accounting for Dummies, Boyd K., 2013, Wiley.
3-	Fundamentals of Cost Accounting, William Lanen, Shannon Anderson, Michael Maher, 4th Ed, 2013, McGraw-Hill Education