



**JORDAN UNIVERSITY OF SCIENCE AND  
TECHNOLOGY  
INDUSTRIAL ENGINEERING DEPARTMENT**



<b>Course Number and Name</b>	IE 444 Cost Accounting and Analysis
<b>Course Description</b>	The course covers basic methods for cost accounting with a focus on product costing and pricing methods (job costing, process costing, and Activity Based Costing (ABC)) in addition to break-even analysis, cost-benefit analysis, performance measurement, companies' financial statements and ethical standards.
<b>Credits and contact hours</b>	3 Credit hours; 3 hours of lectures
<b>Pre- or Co-requisites</b>	IE 351 Economics and Engineering Management
<b>Required/ Elective</b>	Required

<b>Text Book(s)</b>	Horngrén, C. T., Datar, S. M., and Foster, G. (2009). <i>Cost Accounting: A Managerial Emphasis</i> . 13th ed. New Jersey, Prentice Hall. ISBN: 0-13-135558-9
<b>Software tools</b>	MS Excel
<b>References</b>	<ul style="list-style-type: none"> <li>Weygandt, J., Kieso, D. E., and Kimmel, P. D. (2008). <i>Accounting Principles</i>. 8<sup>th</sup> ed. John Wiley &amp; Sons, Inc.</li> </ul>

<b>Course Objectives</b>	<p>Upon completion of this course, the students will</p> <ul style="list-style-type: none"> <li>Understand and appreciate the role of Cost Accounting in Organizations.</li> <li>Develop advanced mathematical and computer modeling techniques essential to design, analyze, and manage product and service costing process.</li> <li>Acquaint analytical and practical understanding of complementary concepts and methods in Cost Accounting.</li> <li>Practice examples of real-world situations where the learned Cost Accounting methods are used.</li> <li>Develop professional ethics, encourage lifelong learning, foster teamwork, and enhance students' communication skills.</li> </ul>
<b>Measured Outcomes</b>	3f, 3h and 3j

Topics		Evaluation	
Introduction to Accounting	Text: CH 1&2, Ref.1: CH1&2	Class Work	8
Cost-Volume-Profit analysis	Text: CH 3	First Exam	26
Job Costing & Activity-based Costing	Text: CH 4 & 5	Second Exam	26
Process Costing	Text: CH 17	Final Exam	40
Decisions and Relevant Information	Text: CH 10, 11, and 12		