



The University of Jordan
School of Engineering
Industrial Engineering Department
Fall 2018/2019

Course name:	Industrial Engineering Information Systems		
Course code:	0906503		
Credits hours	Three credit hours		
Contact hours& room\office hours:	11:00 – 12:30 Monday, Wednesday OH: 13:00 - 14:00 Monday, Wednesday or by appointment		
Course instructor's name, E-mail, and phone:	Sa'Ed M. Salhieh, Ph.D.		
	salhieh@ju.edu.jo 22938		
Course Coordinator:	Sa'Ed M. Salhieh, Ph.D.		
Text book:	Systems Analysis and Design, By: Kenneth E. Kendall, & Julie E. Kendall, Prentice Hall.		
Other reference(s):	Management Information Systems: Managing the Digital Firm by Kenneth C. Laudon and Jane P. Laudon, Pearson.		
Course Description:	Concepts of information systems, analytical tools, organization concepts, computer hardware and software, systems design and analysis, computer and communication systems.		
Providing Department:	Industrial Engineering		
Prerequisite Course:	0906422		
Course type	Elective		
Assessment Methods:	Method	Weight %	Date
	Midterm Exam	30 %	November 7, 2018
	Assignments/Quizzes/Cases	15 %	
	Project	15%	
	Final Exam	40%	
Course Learning Outcomes:	#	After successful completion of this course, the student will be able to	SO
	CLO1	Use tools and techniques required to perform the analysis, design, development and implementation of a modest information system for a small enterprise.	k
	CLO2	Prepare and present written and oral reports on all phases of a computer information system life cycle.	g
	CLO3		
	CLO4		
Brief list of topics	Week #	Topic	
	1	Introduction	
	2-3	Systems, Roles, and Development Methodologies	
	4-5	Understanding and Modeling Organizational Systems	
	6-7	Information Gathering: Interactive Methods	
	8-9	Information Gathering: Unobtrusive Methods	
	10	Midterm Exam	
	11	Using Data Flow Diagram	

	12	Analyzing Systems Using Data Dictionaries
	13	Process Specifications and Structured Decisions
	14	Designing Databases
	15	Project Presentations
	16	Final Exam
Important Notes:	<ul style="list-style-type: none"> • Do not hesitate to ask questions • You are required to bring a notebook and take notes in classes. • Students are expected to attend every class session and they are responsible for all material, announcements, schedule changes, etc., discussed in class. • Discuss the assignments among yourselves • Don't Cheat; direct copying of others work will NOT be allowed or tolerated and will result in a reduction of grade. If you are found to be cheating in any way, on an exam or assignment, even signing the roll sheet for another student, you will be given an "F" for the course. There will be no exceptions. • All cases of academic dishonesty will be handled in accordance with university policies and regulations. JU policy requires the faculty member to assign ZERO grade (F) if a student misses 15% of the classes that are not excused, and 20% of the classes that are excused 	

<i>The B.Sc. in industrial Engineering program enables students to achieve, by the time of graduation the following program learning outcome (SOs)</i>			
a	<i>An ability to apply knowledge of mathematics, science and engineering.</i>	g	<i>An ability to communicate effectively.</i>
b	<i>An ability to design and conduct experiments, as well as to analyze and interpret data.</i>	h	<i>An ability to understand the impact of engineering solutions in a global, economic, environmental and societal context.</i>
c	<i>An ability to design a system, component, or process to meet desired needs within realistic constraints.</i>	i	<i>An ability to engage in life-long learning.</i>
d	<i>An ability to function productively as part of multidisciplinary teams and show leadership qualities.</i>	j	<i>An ability to acknowledge contemporary issues related to the discipline.</i>
e	<i>An ability to identify, formulate and solve engineering problems.</i>	k	<i>An ability to use techniques, skills and modern engineering tools necessary for engineering practice.</i>
f	<i>An ability to understand professional and ethical responsibilities.</i>		