Faculty	Business	Department	Accounting
Course number	0502770	**Course title**	**Advanced Accounting Information Systems**
Number of credit hours	3	Pre-requisite/co-requisite	---

Brief course description
This course is designed to explore both the technical and accounting-related implication of Accounting Information Systems. This course explores the role played by the Accounting Information System in a company value chain, decision-making and strategic position. This course describes and discusses the transaction cycles (Revenue cycle, Expenditure cycle, Production cycle, Financing cycle and Human Resources cycle) as subsystems of Accounting Information System.

	Course goals and learning outcomes
Goal 1	Explain what an Accounting Information System (AIS) is and describe the basic functions it performs.
Learning outcomes	1.1 students should be able to discuss the basic concepts of AIS 1.2 gaining knowledge about the functions of AIS
Goal 2	Use the REA data model to design an AIS relational database.
Learning outcomes	2.1 gaining knowledge about the using of REA data model to design an AIS relational database 2.2 students should be able to design AIS relational database for artificial company by using REA data model
Goal 3	Identify and discuss the concepts and the application of the internal control process.
Learning outcomes	3.1 gaining knowledge about the AIS technological controls 3.2 students should be able to use the AIS technological controls for minimizing the threat of AIS
Goal 4	Appreciate and understand transaction cycles related to AIS such as revenue cycle, expenditure cycle, production cycle, and human resources cycle.
Learning outcomes	4.1 gaining knowledge about implication of AIS cycles which are related to business cycle as a whole. 4.2 students should be able to identify different accounting cycles involved in the AIS for different business activities.
Goal 5	Explain the five phases of the system development life cycle and discuss the key issues and steps in systems analysis
Learning outcomes	5.1 gaining knowledge about the phases of the system development life cycle. 5.2 students should be able to discuss the key issues in systems analysis.
Goal 6	Discuss advance topics related to AIS.
Learning outcomes	6.1 expanding the knowledge horizon of students in the area of AIS 6.2 students should be able to make a solid integration between AIS knowledge and IT knowledge.
Textbook	Romney, M. Steinbart, P, Accounting Information Systems, 13th edition, 2015, New Jersey, Pearson Education, USA.
Supplementary references	1- Gerorge Bonder, and Williams Hopwood, Accounting Information Systems, 11th Edition, Pearson Education, 2012. 2- Katherine Smith & Others, Microsoft Excel for Accounting: Auditing & Accounting

	Information Systems, Pearson Education, 2003. 3- Mark G. Simkin, Jacob Rose, and Carolyn Strand Norman, Core concept of accounting information systems, 12th Edition, New Jersey, Hoboken, John Wiley & Sons, 2012. 4- Ulric Gelinas and Steve Sutton, Accounting Information Systems, Ohio, South-Western College, 2005.

Course timeline				
Week	**Number of hours**	**Course topics**	**Pages (textbook)**	**Notes**
01	**3**	Accounting Information Systems: An overview	22-41	
02	**3**	Overview of Business Process	44-66	
03	**3**	Relational Databases	106-136	
04	**3**	Data Modelling and Database Design	512-541	
05	**3**	Data Modelling and Database Design	544-563	
06	**3**	Controls and Accounting Information Systems	202-235	
07	**3**	The revenue Cycle: Sales to Cash Collections	350-387	
08	**3**	The Expenditure Cycle: Purchasing to Cash disbursements	390-421	
09	**3**	**Midterm Exam**		
10	**3**	The Production Cycle	424-451	
11	**3**	The Human Resources Management and Payroll Cycle	454-480	
12	**3**	Software Application/ LAB		
13	**3**	Software Application/ LAB	-	
14	**3**	Software Application/ LAB	-	
15	**3**	Introduction to system development and system analysis	597-630	
16	**3**	**Final Exam**		

Theoretical course evaluation methods and weight	Participation = 30% Midterm exam 30% Final exam 40%	**Practical (clinical) course evaluation methods**	Semester students' work = 60% (Reports, research, quizzes, etc.) Final exam = 40%

Approved by head of department	Dr. Abdallah Atieh	**Date of approval**	30/8/2017

Extra information (to be updated every semester by corresponding faculty member)

Name of teacher		Office Number	
Phone number (extension)		Email	_____@zuj.edu.jo
Office hours			

Prof. Inaam Zwalif