T-104
2022

Course Specification

Course Title:	**Enterprise systems**
Course Code:	**IS1758**
Program:	**Computer Information Systems**
Department:	**Computer Information Systems**
College:	**Computer Science and Information Technology**
Institution: :	**Al-Baha University**
Version:	**T-104 V2**
Last Revision Date:	**29 March 2023**

Table of Contents:

A. General information about the course:

Course Identification					
1. Credit hours:	3 Credit Hours (3, 0, 0) (Lecture, Lab, Tutorial) (3 Contact Hours)				
2. Course type					
a.	University ☐	College ☐	Department☒	Track☐	Others☐
b.	Required ☐	Elective☒			
3. Level/year at which this course is offered:	Elective course (10th level/ 4th Year)				
4. Course general Description This course is designed to provide students with an understanding of the theoretic and practical issues related to the application of enterprise systems within organizations. The main focus of this course is to demonstrate how enterprise systems integrate information and organizational processes across functional areas with a unified system comprised of a single database and shared reporting tools. Enterprise systems, by their multi-dimensional integrative nature, offer the depth of functionality and breadth of integration to demonstrate how global operations of organizations are managed. Thus, students will gain an appreciation of the scope of enterprise systems and the motivation for implementing them. [Optional: Example software will be used to illustrate how enterprise systems work. An integrated project, which requires the application of conceptual as well as technical (software) skills of students, will be required.					
5. Pre-requirements for this course (if any): IS1502-Enterprise Resource Planning (ERP)					
6. Co- requirements for this course (if any): None					
7. Course Main Objective(s) Students will learn to: 1. Understand the fundamentals of enterprise systems and issues associated with their implementation. 2. Evaluate the costs and benefits of implementing an enterprise system. 3. Understand how enterprise systems integrate functional areas into one enterprisewide information system. 4. Explain how “best practices” are incorporated in enterprise systems. 5. Recognize how an organizational process often spans different functional areas. 6. Describe the role of enterprise systems in carrying out processes in an organization. 7. Learn to integrate key concepts from functional-oriented courses, such as accounting, marketing, and organizational behavior, to promote the development of integrative skills					

1. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1.	Traditional classroom	30	100%
2.	E-learning		
3.	Hybrid • Traditional classroom • E-learning		
4.	Distance learning		

2. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	30
2.	Laboratory/Studio	-
3.	Field	-
4.	Tutorial	-
5.	Others (specify)	-
	Total	30

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Describe the fundamentals of enterprise systems and issues associated with their implementation	K1	-Lectures -Assignments	***Direct Assessment Tool*** • Homework • Quiz • Midterm • Final exam ***Indirect Assessment Tool*** Course Exit Survey
1.2	Explain the costs and benefits of implementing an enterprise system	K2		***Direct Assessment Tool*** • Homework • Quiz • Midterm • Final exam ***Indirect Assessment Tool*** Course Exit Survey
1.3	Explain how enterprise systems integrate functional areas into one enterprise wide information system	K3		***Direct Assessment Tool*** • Homework • Quiz • Midterm • Final exam ***Indirect Assessment Tool*** Course Exit Survey
2.0	Skills			
2.1	Apply how “best practices” are incorporated in enterprise systems		- Lectures	***Direct Assessment Tool*** • Homework • Quiz

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
		S1	- Class discussions	• Midterm • Oral Exam • Final exam ***Indirect Assessment Tool*** Course Exit Survey
2.2	Recognize how an organizational process often spans different functional areas	S2		***Direct Assessment Tool*** • Homework • Quiz • Midterm • Oral Exam • Final exam ***Indirect Assessment Tool*** Course Exit Survey
2.3	Apply the role of enterprise systems in carrying out processes in an organization.	S3		***Direct Assessment Tool*** • Homework • Quiz • Midterm • Oral Exam • Final exam ***Indirect Assessment Tool*** Course Exit Survey
3.0	Values, autonomy, and responsibility			
3.1	Interact in groups collaboratively	V1	Teamwork (smaller group)	***Direct Assessment Tool*** • Oral Presentation ***Indirect Assessment Tool*** Course Exit Survey

C. Course Content

No	List of Topics	Contact Hours
1.	Overview of Enterprise System	2
2.	Business processes and business process integration	3
3	Making the case for acquiring and implementing enterprise systems	3
4	Analyzing business requirements for selecting and implementing an enterprise system	3
5	Selection of enterprise systems software	3
6	Challenges associated with the implementation of global enterprise systems applications	3
7	Organizational change and change management	3
8	Governance of processes and data	3
9	Post-implementation issues	3
10	How enterprise systems support business	2
11	Relationship with the Business Side	2
Total		30

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Homework	Every two Weeks	5%
2.	Midterm	6	20%
3.	Quiz	10	10%
4.	Report, presentation, and Class discussions	11	5%
5.	Final Exam	12	60%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	● Bradford, Marianne (2015). Modern ERP: Select, Implement, and Use Today's Advanced Business Systems, Third Edition, ISBN: 978-1-312-66598-9
Supportive References	Computer Science Curriculum 2013 – http://cs2013.org ACM (Association for Computer Machinery) Curricula Recommendations - • http://www.acm.org/education/curricula-recommendations
Electronic Materials	ACM (Association for Computer Machinery) web site - http://www.acm.org/ • ACM SIGCSE (Special Interest Group on Computer Science Education) resource web site - http://www.sigcse.org/SIGresources • IEEE Computer Society web site - http://www.computer.org/portal/web/guest/home • Intel *The Journey Inside* web site (has a collection of interactive, online lessons about technology, computers, and society) - http://educate.intel.com/en/TheJourneyInside/ • *Google Code University* Curriculum Resource web site - http://code.google.com/edu/resources/index.html
Other Learning Materials	Writing a case study: http://college.cengage.com/business/resources/casestudies/students/writing.htm and http://www.asb.unsw.edu.au/learningandteaching/Documents/writingacaseanalysis.pdf

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Each class room size is provided with 20-25 seats which are more enough to accommodate registered students
Technology equipment (projector, smart board, software)	Class room with smart boards Desk tops with genuine Operating systems and Anti-virus Smart Podiums
Other equipment (depending on the nature of the specialty)	Needed Internet facility to explain real time examples by on line

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	• Students • Faculty • Peer Reviewers • Program Leader • Course Coordinator	• Surveys (indirect). • Direct feedback from students. • Course evaluation by Peer Reviewers (indirect). • Class visit by Program Leader (indirect) • Comprehensive Course report (where we can find information about teaching difficulties and action plan, …)
Effectiveness of students assessment	• Students • Faculty • Peer Reviewers • Program Leader • Exam Evaluation Committee • Course Coordinator	• Surveys (indirect). • Direct feedback from students. • Course evaluation by Peer Reviewers (indirect). • Class visit by Program Leader (indirect) • Exam evaluation by the Exam Evaluation Committee (indirect)
Quality of learning resources	• Students • Faculty • Peer Reviewers • Course Coordinator	• Surveys (indirect) • Course evaluation by Peer Reviewers (indirect). • Comprehensive Course report (where we can find information about difficulties and challenges about learning resources as well as consequences and action plan, …)
The extent to which CLOs have been achieved	• Faculty • Program Leader • Course Coordinator	• Student Results (direct) • Comprehensive Course report (where we can find the CLO assessment results)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Curriculum Committee Meeting
REFERENCE NO.	
DATE	March 30, 2023