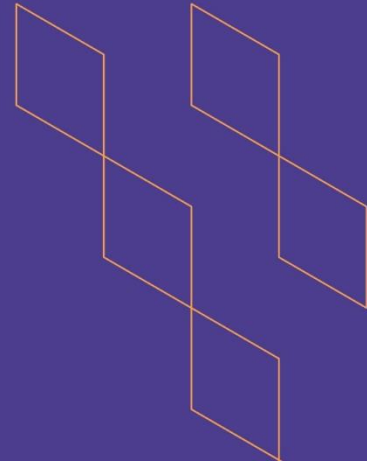




T-104
2022

Course Specification



Course Title: Enterprises Resources Planning

Course Code: IS1502

Program: Computer Information Systems

Department: Computer Information Systems

College: College of Computer Science & Information Technology

Institution: Al-Baha University, Al Baha, Saudi Arabia

Version:T-104 V2

Last Revision Date:18/01/2023



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A. General information about the course:

Course Identification

1. Credit hours: 4 Credit Hours (3, 2, 0) (Lecture, Lab, Tutorial)
(5 Contact Hours)

2. Course type

a. University College Department Track Others

b. Required Elective

3. Level/year at which this course is offered: 7th Level/3rd Year

4. Course general Description

This course will introduce you to enterprise systems and show how organizations use enterprise systems to run their operations more efficiently and effectively. You will learn about the critical success factors and implementation strategies that lead to enterprise system success, and about the informational, knowledge, and decision-making opportunities afforded by enterprise systems. The course will examine typical Enterprise Systems modules: materials management (MM), supply chain management (SCM), customer relationship management (CRM), financials, projects, human resource management (HRM) etc. Enterprise systems use a single database to integrate business transactions along and between processes, leading to benefits such as efficient and error-free workflows plus accounting, management reporting and improved decision-making.

5. Pre-requirements for this course (if any): IS1004- Database 1

6. Co-requirements for this course (if any): None

7. Course Main Objective(s)

- Describe ERP and Related Technologies
- Memorize ERP Implementation Life Cycle
- Describe ERP Modules Structure and ERP – A Manufacturing Perspective
- Define and analyze ERP: An Inventory Management Perspective, ERP: An CRM Perspective, ERP: A HR Perspective, ERP: An Finance Perspective
- Critically evaluate appropriateness and Managing IT with Time in Mind and Technology Disruptors
- Develop solutions for given assignments periodically
- Interact in groups collaboratively
- Communicate concepts and techniques in oral presentations

1. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1.	Traditional classroom	30	100%
2.	E-learning		
	Hybrid		
3.	<ul style="list-style-type: none"> • 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	20
3.	Field	
4.	Tutorial	
5.	Others (specify)	
Total		50

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 ERP and Related Technologies	K1	Lectures Assignments	Direct Assessment Tool <ul style="list-style-type: none"> Midterm Exam Final Exam Indirect Assessment Tool Course Exit Survey
1.2	Memorize ERP Implementation Life Cycle	K2		Direct Assessment Tool <ul style="list-style-type: none"> Midterm Exam Final Exam Indirect Assessment Tool Course Exit Survey
1.3	Describe ERP Modules Structure and ERP – A Manufacturing Perspective	K3		Direct Assessment Tool <ul style="list-style-type: none"> Midterm Exam Final Exam Indirect Assessment Tool Course Exit Survey
2.0	Skills			
2.1	Define and analyze ERP: An Inventory Management Perspective , ERP: An CRM Perspective, ERP: A HR Perspective, ERP: An Finance Perspective	S1	Lectures Assignments Project	Direct Assessment Tool <ul style="list-style-type: none"> Homework Lab Work Indirect Assessment Tool Course Exit Survey
2.2	Critically evaluate appropriateness and Managing IT with Time in Mind and Technology Disruptors	S2		Direct Assessment Tool <ul style="list-style-type: none"> Lab Exam Lab Work HomeWork Final Exam Indirect Assessment Tool Course Exit Survey
2.3	Develop solutions for given assignments periodically	S3		Direct Assessment Tool <ul style="list-style-type: none"> Lab Exam Lab Work





Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
				<i>Indirect Assessment Tool</i> Course Exit Survey
3.0	Values, autonomy, and responsibility			
3.1	Interact in groups collaboratively	V1	Small Groups	<i>Direct Assessment Tool</i> • Project Presentation <i>Indirect Assessment Tool</i> Course Exit Survey

C. Course Content

No	List of Topics	Contact Hours
1.	Enterprise: An Overview: Business Functions and Business Processes, importance of Information: Characteristics of information; Types of information, Information System:	3
2.	Management information system, Enterprise Resource Planning: Business modeling; Integrated data model	3
3.	Introduction to ERP: Defining ERP, Origin and Need for an ERP System, Benefits of an ERP System, Reasons for the Growth of ERP Market, Reasons for the Failure of ERP Implementation: Roadmap for successful ERP implementation.	6
4.	ERP and Related Technologies: Business Process Re-engineering, Management Information systems, Decision Support Systems, Executive Information Systems	3
5.	ERP Implementation Life Cycle: ERP Tools and Software, ERP Selection Methods and Criteria, ERP Selection Process	3
6.	Vendor Selection, ERP Implementation Lifecycle, Pros and cons of ERP implementation, Factors for the Success of an ERP Implementation	6
7	ERP Modules Structure: Finance, Sales and Distribution, Manufacturing and Production Planning- Material and Capacity Planning; Shop Floor Control; Quality Management; JIT/Repetitive Manufacturing; Cost Management	3
8	Engineering Data Management; Engineering Change Control ; Configuration Management ;Serialization / Lot Control ;Tooling, Human Resource, Plant Maintenance- Preventive Maintenance Control	3
Total		30

No	Lab Topics	Contact Hours
1	Getting Started Odoo	2
2	Features and Global Settings+CRM	2
3	Sales	2
4	Purchase	2





5	Accounting and Invoicing	4
6	Subscription	2
7	Point of Sale	2
8	Project & Timesheets	4
Total		20

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Midterm	Week 6	20%
2.	Assignment	Week 9	10%
3.	Lab Work	Every 2 weeks	10%
4	Final Lab Exam	Week 10	20%
	Final Exam	Week 11	40%

*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	<ol style="list-style-type: none"> 1. ERP in practice – Vaman - TMH Daniel E.O'Leary, Enterprise Resource Planning Systems, Cambridge University Press, 2002. 3. Ellen Monk, Bret Wagner, Concepts in Enterprise resource planning, Cengage learning, Third edition, 2009. 2. https://www.odoo.com/slides/all
Supportive References	<ul style="list-style-type: none"> •
Electronic Materials	<ul style="list-style-type: none"> • Access to the Saudi Digital Library (SDL). • Using the learning management system of the university – Rafid System (https://lms.bu.edu.sa/).
Other Learning Materials	





2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Every Class has more than 30 chairs for the students that is more enough for the registered students.
Technology equipment (projector, smart board, software)	Every class room has smart board and projector with cables to connect to laptop for lectures.
Other equipment (depending on the nature of the specialty)	Internet facility is available in classroom to show online programming examples and to run online compiler to execute the programs.

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	<ul style="list-style-type: none"> •Students •Faculty •Program Leader •Course Coordinator 	<ul style="list-style-type: none"> •Surveys (indirect). •Direct feedback from students. •Course evaluation by Peer Reviewers (indirect). •Class visit by Program Leader (indirect) <p>Comprehensive Course report (where we can find information about teaching difficulties and action plan, ...)</p>
Effectiveness of students assessment	<ul style="list-style-type: none"> •Faculty •Course Coordinator 	<ul style="list-style-type: none"> •Surveys (indirect). •Course evaluation by Peer Reviewers (indirect).
Quality of learning resources	<ul style="list-style-type: none"> • Students • Faculty • Course Coordinator 	<ul style="list-style-type: none"> • Surveys (indirect) • Course evaluation by Peer Reviewers (indirect). <p>Comprehensive Course report (where we can find information about difficulties and challenges about learning resources as well as consequences and action plan..)</p>
The extent to which CLOs have been achieved	<ul style="list-style-type: none"> • Faculty • Program Leader • Course Coordinator 	<ul style="list-style-type: none"> • Student Results (direct) <p>Comprehensive Course report (where we can find the CLO assessment results)</p>



Assessment Areas/Issues	Assessor	Assessment Methods
Other		

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 28, 2023

