Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
IND433	Enterprise Resources Planning	8	3	0	0	3	4

Prerequisites	
Admission Requirements	

Language of Instruction	English
Course Type	Elective
Course Level	Bachelor Degree
Objective	Enterprise resource planning systems are of great importance in the integration of the information technology applications and are particularly useful in keeping under control the activities of international organizations and in improving the efficiency of business processes. The course, which is offered as an elective course in the curriculum, will help students to comprehend the ERP system and the flow of data and documents between related functional areas in the system. Objectives of this course are determined as follows: • to show the students how ERP systems are evolved from the first computer systems and production processes. • to ensure that students' can use of an ERP system. • to help the students to evaluate how organizations from different sectors benefit from using ERP systems. • to help the students to gain insight on information technology which are complementing ERP systems.
Content	1. week: the advantages and disadvantages of ERP systems. 2. week: the problems encountered during ERP systems' implementation. 3. week: transactions in enterprise resource planning systems such as SAP and ORACLE. 4. week: identification of organizational units with SAP software. 5. week: the material and supplier identification with SAP software. 6. week: order creation with SAP software, the order fulfillment cycle of products, delivery and billing processes. 7. week: the stock management with SAP software 8. week: reporting with SAP software 9. week: mid-term exam 10. week: cloud computing 11. week: RFID system and supply chain management 12. week: case studies of ERP systems in companies 13. week: case studies of ERP systems in companies 14. week: case studies of ERP systems in companies
References	• SAP course notes. • Course notes. • Case studies on ERP systems.

Theory Topics

Week	Weekly Contents
1	The advantages and disadvantages of ERP systems
2	The problems encountered during ERP systems' implementation
3	Transactions in enterprise resource planning systems such as SAP and ORACLE
4	Identification of organizational units with SAP software
5	The material and supplier identification with SAP software
6	Order creation with SAP software, the order fulfillment cycle of products, delivery and billing processes
7	Stock management with SAP software
8	Reporting with SAP software
9	Mid-term exam
10	Cloud computing
11	RFID system and supply chain management

Week	Weekly Contents
12	Case studies of ERP systems in companies
13	Case studies of ERP systems in companies
14	Case studies of ERP systems in companies