CS-505
Enterprise Resource Planning
COURSE DESCRIPTION

Department, Number	CS-505(ERP)	Course Title	**Enterprise Resource Planning**
Semester Hours		**Course Coordinator**	Daw Mu Mu Myint

Current Catalog Description

An Enterprise Resource Planning (ERP) system is software that runs all business areas of an organization including accounting and finance, HR, sales and distribution, production, purchasing and inventory. It is cross-functional, process-centered, real time, and based on industry-best-practices, from service to manufacturing to not-for-profit. It is important that business and systems managers obtain working knowledge of these systems, as in their careers they will be ERP users, auditors, consultants, and/or developers.

Textbook: CONCEPTS IN ENTERPRISE RESOURCE PLANNING (Fourth Edition)
Ellen F. Monk (University of Delaware), Bret J. Wagner (Western Michigan University)

References:

CONCEPTS IN ENTERPRISE RESOURCE PLANNING (Third Edition)
Ellen F. Monk (University of Delaware), Bret J. Wagner (Western Michigan University)

Course Outcomes

By learning this subject students be able to comprehend the technical aspects of ERP systems, to understand how to relate business functions to ERP system implementation, to understand the step and activities in the ERP life cycle and to obtain practical hands-on experience with one of the ERP software, e.g. SAP, Oracle. This benefit the students to be industry-ready after graduate. An Enterprise Resource Planning (ERP) system is software that runs all business areas of an organization including accounting and finance, HR, sales and distribution, production, purchasing and inventory. It is cross-functional, process-centred, real time, and based on industry-best-practices, from service to manufacturing to not-for-profit. It is important that business and systems managers obtain working knowledge of these systems, as in their careers

they will be ERP users, auditors, consultants, and/or developers.
∗ To comprehend the technical aspects of ERP systems;
∗ To understand concepts of reengineering and how they relate to ERP system implementations;
∗To be able to map business processes using process mapping techniques;
∗ To understand the steps and activities in the ERP life cycle;
∗To be able to identify and describe typical functionality in an ERP system;
∗To obtain practical hands-on experience with one of the COTS ERP Software e.g. SAP

Major Topics Covered in the Course

1. Business Functions and Business Processes
2. The Development of Enterprise Resource Planning System
3. Marketing Information Systems and Sales Order Process
4. Production and Supply Chain Management Information Systems
5. Accounting in ERP Systems
6. Human Resources Processes with ERP
7. Process Modeling, Process Improvement, and ERP Implementation
8. RFID, Business Intelligence (BI) , Mobile Computing, and the Cloud

Grading Procedures: (First Semester)

Your performance in this class will be evaluated using your scores for attendance, Quiz, Tutorial/assignments and Examination.

Assessment Plan for the Course (First Semester)

Attendance	10%
Quiz	10%
Tutorial /Assignment	30%
Exam	50%