

<b>Department:</b> Business Administration		<b>Program:</b> MBA	
<b>Course Name</b>	Enterprise & Resource Management	<b>Course Code</b>	MIS 621
<b>Pre-requisite</b>	Not Applicable	<b>Credit Hours</b>	3

### Brief Description

- This course introduces ERP functionalities and capabilities, contrasted with unintegrated information systems. It defines business functional areas, processes, ERP development history, and enabling technologies. In addition, it discusses the pros and cons of implementing an ERP system and the benefits of Customer Relationship Management (CRM) software, Supply Chain Management systems, and accounting and management reporting as useful extensions of ERP software.

### Course Objectives

After completion of this course the student will be able to:

- Knowledge: Relate contemporary practices of ERP to relevant concepts and theories.
- Comprehension: Identify ERP strategic, tactical, and operational influences on businesses.
- Application: Demonstrate ability to apply ERP functions within real-world organisations.
- Analysis: Analyse use of ERP tools in contemporary businesses.
- Synthesis: Devise and propose alternative solutions to business problems using ERP.
- Evaluation: Critically evaluate, synthesize and develop strategies based on adoption of ERP systems.

### Course Learning Outcomes

- Distinguish between concepts, principles, and theories of ERP
- Apply the concepts, principles, and theories of ERP in different business situations
- Demonstrate written communication skills
- Have oral communication skills
- Have skills of using computer applications in ERP
- Have scientific research skills in the field of ERP
- Have the skills of critical thinking and analysis in the fields of ERP
- Have the skills in strategic thinking and finding solutions in ERP
- Believe, and practice sustainability in the context of ERP
- Have the skills of leadership, teamwork, and decision making in ERP
- Have the ability to distinguish between ethical issues in ERP
- Have the competence of social responsibility in the fields of ERP
- Have the competence to deal with cultural diversity in business situations in the context of ERP

## Course Topics

- Introduction to Enterprise systems for Management
- Systems Integration
- Enterprise Systems Architecture
- Development Life Cycle
- Organizational Change and Business Process Reengineering
- Supply Chain Management

## Text Book

- Law, C. H. C. (2019). *Managing Enterprise Resource Planning Adoption and Business Processes: A Holistic Approach*. Newcastle-U-Tyne: Cambridge Scholars Publishing.

## Additional References

- Shaikh, M., & Shen, L. (2020). Critical Success Factors in Enterprise Resource Planning Implementation. In *Business Management and Communication Perspectives in Industry 4.0* (pp. 188-208). IGI Global.
- Wanchai, P. (2019). An Integrated Approach to Performance Evaluation of Enterprise Resource Planning (ERP) System Implementation. *Journal of Electronic Commerce in Organizations (JECO)*, 17(3), 1-15.
- Chang, Y. W., Hsu, P. Y., Shiau, W. L., & Hsu, M. C. (2019). An Empirical Study on Factors Affecting Switching Intention to Cloud Enterprise Resource Planning: A Comparison Between Public and Private Clouds. *Journal of Global Information Management (JGIM)*, 27(4), 46-69.
- Clegg, B., & Wan, Y. (2019). Enterprise Resource Planning (ERP) Systems and Multi-Organizational Enterprise (MOE) Strategy. In *Business Transformations in the Era of Digitalization* (pp. 52-75). IGI Global.
- Elbardan H, Kholeif A (2017) Enterprise resource planning, corporate governance and internal auditing. Palgrave Macmillan, Cham
- Chugh, R., Sharma, S. C., & Cabrera, A. (2017). Lessons learned from enterprise resource planning (ERP) implementations in an Australian company. *International Journal of Enterprise Information Systems (IJEIS)*, 13(3), 23-35.
- O'Sullivan J and Caiola G (2016). Enterprise resource planning concepts: Understanding the power of ERP for today's businesses. DMMSI Associates Inc., New York, USA.

## Online Resources

- Official website of the course on the learning management system.
- ERP software websites for tutorials, e.g. SAP and Microsoft Dynamics
- Other online material decided in class about ERP software and tools.
- *Journal of Enterprise Resource Planning Studies (JERPS)*

- *European Journal of Operational Research*
- *International Journal of Production Economics*
- *Journal of Managerial Sciences*
- *Information Systems and e-Business Management*
- *Journal of Computer Engineering & Information Technology*

## Course Outline

Week	Hours	Topics	Remarks
1	3	Introduction to Enterprise Resource Management	
2	3	Systems Integration	
3	3	Systems Integration	
4	3	Enterprise Systems Architecture	
5	3	Enterprise Systems Architecture	
6	3	Development Life Cycle	
7	3	Development Life Cycle	
8	3	Midterm Exam	
9	3	Organizational Change and Business Process Reengineering	
10	3	Organizational Change and Business Process Reengineering	
11	3	Organizational Change and Business Process Reengineering	
12	3	Organizational Change and Business Process Reengineering	
13	3	Supply Chain Management	
14	3	Supply Chain Management	
15	3	Presentations	

## Measurement and Assessment Tools

[illegible]

Approved by Department Chair	Date of Approval

Additional Information: Updated every Semester by Course Instructor	
Course Instructor	
Department	
Phone No.	
Extension No	
Email	