

Bachelor of Information Technology in Management Information System (Hons)

1.	Course Title	Enterprise Resource Planning (ERP)		
2.	Course Code	CICT3553		
3.	Status	Major		
4.	Credit Hour	3 (2 + 1) 2 lectures (2 hours per week x 14 weeks) 1 tutorial (1.5 hours per week x 14 weeks)		
5.	Semester/Year	2/3		
6.	Prerequisites	Nil		
7.	Teaching method:	Distance Learning (Electronic)		
8.	Evaluation	Assessment and Marking Percentage: Participation 5% Quizzes 15% Project 15% Mid Sem Exam 15% Final Examination 50%		
9.	Lecturer			
10.	Objective of the Subject	To understand the role of Enterprise Resource Planning in business planning activities.		
11.	Learning Outcomes	At the completion of the subject, students should be able to perform the following tasks: • A working knowledge of the fundamental technology and principles underlying the development, implementation, and use of integrated enterprise information systems. • An understanding of the basics of enterprise software and its role in enabling business strategy. • The ability to identify the components of ERP systems chose an ERP System, identify ERP implementation issues, and determine how ERP systems should be managed. • A basic understanding on how to use an ERP software package.		
12.	Synopsis	This course exposes students on the influences of enterprise resource planning in a manner of companies conduct business and how they plan and manage their resources.		
13.	Topics	Details	Lecture (Hrs)	Tutorial (Hrs)
	Topic 1	Introduction & ERP Background • Why ERP? • Background of ERP • Role of ERP in the organization	2	1.5
	Topic 2	• Technology enable ERP (computing facilities, network facilities, storage facilities) • ERP Business process, functions and data requirement	2	1.5
	Topic 3	ERP System & Reengineering • ERP data input	2	1.5
	Topic 4	• ERP Output : report, data warehouse,intranet • Technology enable reengineering	2	1.5
	Topic 5	Component of ERP Systems • Components/Modules of ERP Systems • Marketing Information System and Sales Order Processing	2	1.5
	Topic 6	• Production and Material of Information System • Accounting and Finance	2	1.5
	Topic 7	• Customer Relationship Management • Human Resources	2	1.5
	Topic 8	ERP LifeCycle • Decision to go for ERP • Choosing ERP System	2	1.5
	Topic 9	• Designing ERP System • ERP Design Issue : Model, Standard, Artifacts and Process • Implementing ERP	2	1.5

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	Topic 10	• Post “Go Live” • Training • Post implementation	2	1.5
	Topic 11	Collaborative & Extended Enterprise Systems • IT General Control and Outsourcing ERP • Security of ERP	2	1.5
	Topic 12	• Business Intelligence • Knowledge Management	2	1.5
	Topic 13	ERP and Internet • ERP, E-Commerce and WWW	2	1.5
	Topic 14	• ERP Risk : Success and Failure Factor	2	1.5
		Total contact hours	28	21
		Equivalent lecture hours	28	14
		Total lecture hours	42	
		Credit hours	3	
14.	Main reference:	1. Monk, E. & Wagner, B. 2005. Concepts in Enterprise Resource Planning. 2nd. ed. Thomson Course Technology, Boston. 2. Wagner,. & B Monk, E. 2008. Enterprise Resource Planning.. Thomson Course Technology, Boston.		
15	Additional References:	O'Leary, D.E. 2000. Enterprise Resource Planning Systems . 1st. ed. Cambridge University Press. Cambridge.		
	Other Materials:	All other sources will be available to students online.		