

COURSE FILE SUMMARY

COURSE INFORMATION			
College / Institute / Center:	Management & Technology	Department:	BIS Dept.
Program Title:	Management Information Systems	Program Code:	AS, ES
Course Title:	Information Systems Management	Course Code:	S326
# Hours:	----- 2 hr ----- Lecture	----- 2 hr ----- Lab / <u>Tutorial</u>	----- 3 hr ----- Credit
Pre Requisites: S315 Java 2 S316 Information System Design			

COURSE AIM
The aim of this course is introducing software engineering concepts. Software engineering is the discipline of developing and maintaining software systems that behave reliably and efficiently as well as being affordable to develop and maintain.

COURSE OBJECTIVES
The course objective is teaching students how to develop efficient software by using quality assurance, testing and project management tools.

STAFF REQUIREMENTS			
	Qualifications	Special Skills	Number
Lectures	Ph.D. in CS or MIS		1
Tutorials			
Laboratories / Workshops	Bsc.CS or MS.c.		1

LECTURE SCHEDULE			
Lecture			Description
#	Week	Hrs	
1	1 st .	3	Systems Development Life Cycle (SDLC)
2	2 nd .	3	Software Processes
3	3 rd .	3	Project Management: Project Planning
4	4 th .	3	Project Management: Project Scheduling, Risk Management
5	5 th .	3	Rapid Software Development: Agile methods
6	6 th .	3	Rapid Software Development: Prototyping and RAD
7	7 th	3	7th Week Exam
8	8 th .	3	Quality Management
9	9 th .	3	Software Measurement and Metrics
10	10 th .	3	Software Testing: System Testing
11	11 th .	3	Software Testing: Test Case Design
12	12 th .	3	12th Week Exam
13	13 th .	3	Verification and Validation
14	14 th .	3	Object- Oriented Concepts
15	15 th .	3	Object- Oriented Analysis and Design
16	16 th .	3	Final Exam

TEXT BOOKS	
Code*	Description
	Software Engineering , Sommerville, 7 th Edition, 2004, Pearson

REFERENCE BOOKS	
Code*	Description
	Management Information Systems , Raymond McLeod, 8 th edition, Prentice Hall. Software Engineering A Practitioners Approach , Pressman, 5 th Edition, 2001 McGraw Hill Higher Education.

TUTORIAL SCHEDULE			
Tutorial			Topic
#	Week	Hrs	

LABORATORY WORKSHOP SCHEDULE

Lab			Description
#	Week	Hrs	
1	2 nd .	1.5	Introduction to Project Management
2	3 rd .	1.5	Understanding Project 2007 views
3	4 th .	1.5	Starting New Project
4	5 th .	1.5	Outlining with summary tasks
5	6 th .	1.5	Communication project information
6	7 th	1.5	7th Week Exam
7	8 th .	1.5	Crashing the critical path
8	9 th .	1.5	Entering resource and cost data
9	10 th .	1.5	Understanding the relationship between duration, work, and units.
10	11 th .	1.5	Leveling over allocations of resource, manually and automatically
11	12 th .	1.5	Tracking progress and closing the project
12	13 th .	1.5	Sharing project information with other people and applications
13	14 th .	1.5	Using master project and other project 2007 facilities.
14	15 th .	1.5	Final Exam

COMPUTER USAGE

Computer laboratory is required for all workshops

Week #	Points	Written	Oral	Term Paper	Continuous	Practical
7	30	20				10
12	10	10				
1-15	20				10	10
16	40	40				

READING MATERIAL

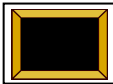
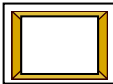






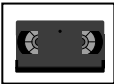
Code*	Description
RB	Object-Oriented System Analysis and Design, Joey F.George, Dinesh Batra, Joseph S.Valacich, Jeffrey A.Hoffer
RB	New Perspective Series, Microsoft Project

* TB: Text Book RB: Reference Book ST: Standards / Codes LN: Lecture Notes

SUPPLEMENTARY MATERIAL

Code*	Description
SW	Microsoft project 2007
<p>*PR: Periodical SW: Software VT: Video Tape OS: Overhead Slide Projector MD: Model AC: Audio Cassette</p>	

EDUCATIONAL RESOURCES

								
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Prepared by

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Date: 07/09/2010