

Faculty of Computers and Information Technology

Software Engineering-2

Information :	-					
Course Code	: CS352	Level	: Unde	rgraduate	Course Hours :	3.00- Hours
Department :	Department of Infor	mation System	าร			
Area Of Stud	<u>y :</u>					
Use effective Understand I Use and ado	ution for the requirement ly communication skills knowledge that enhance pt fundamental of softwork deeply the basic conce	es skills in software engineerin	ware reuse g.	and critical		
Description :	•					
Architecture	provides a review of Sof Design, Object Oriented m Development					
Course outco	omes :					
a.Knowledge	and Understanding:					
	dentify the fundamenta development	l topics of soft	ware engin	eering such a	as software reuse an	d critical system
2 -	Explain the principles a	nd techniques	of software	developmer	nt methods	
3 -	dentify quantitative tech	nniques and m	ethods of s	oftware syst	em	
o.Intellectual	Skills: :					
1 -	Classify methods and techniques to implement software system					
2 -	Select appropriate methodologies and techniques for design of a software system					
3 -	Analyze different architectural and object oriented designs					
c.Profession	al and Practical Skills	::				
1 -	Deploy documentation and development tools for software systems					
2 -	Construct and evaluate using user interface design using human computer interaction concepts					
3 -	Apply effective information to design, implement and test a software system					
d.General an	d Transferable Skills:	:				
1 -	Apply communications skills in presentation and report writing of a software project deliverables					
2 -	Work on a team for the development of a design and testing documents					
ABET Cours	<u>e outcomes :</u>					
1 -	Perform an architectura	l design for the	e requireme	ents of a give	n software system.	
2 -	Carry out detailed design for given software system.					



3 -	Communication effectively.	
4 -	Understand different approaches for software reuse and critical system development.	
5 -	5 - Implement, test, and evaluate a software system.	
6 -	Work effectively in a team.	

Course Topic And Contents :

Торіс	No. of hours	Locturo	Tutorial / Practical
	No. of hours	Leciule	Tutonal / Flactical
Review of Software Requirements Engineering	4	2	2
Software Architectural Design I	4	2	2
Software Architectural Design II	4	2	2
Object Oriented Design I	4	2	2
Object Oriented Design II	4	2	2
Software Testing I	4	2	2
Software Testing II	4	2	2
Software Verification and Validation I	4	2	2
Mid-Term Exam	2		
The software Reuse I	4	2	2
The software Reuse II	4	2	2
Critical System Development	4	2	2
Project presentation	4	2	2
Final Exam	2		

Teaching And Learning Methodologies :

Interactive Lectures including discussion
Tutorials

Practical Lab Sessions

Self-Study (Project / Reading Materials / Online Material / Presentations)

Seminars

Case Studies

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Assignments	5.00	4	
Final Exam	40.00	14	
Midterm Exam (s)	20.00	9	
Others (Participations)	5.00		
Presentations	5.00	12	
Quizzes	10.00	5	
Team Work Projects	15.00	12	

http://www.fue.edu.eg



Course Notes :

An Electronic form of the Course Notes and all the slides of the Lectures is available on the Students Learning Management System (Moodle)

Web Sites :

www.ekb.eg