

Faculty of Computers and Information Technology

Software Engineering-2

Information	<u>.</u>					
Course Cod	e : CS352	Level	:	Undergraduate	Course Hours :	3.00- Hours
Department	: Digital Media Technol	ogy				
Area Of Stu	<u>dy :</u>					
"Use effective "Understand" "Use and ac	blution for the requirements vely communication skills. I knowledge that enhances lopt fundamental of softwa and deeply the basic concep	s skills in softw re engineering	var g.	e reuse and critical sys	-	onents
Description	•					
This course Architecture	– provides a review of Softw Design, Object Oriented E em Development					
Course outo	comes :					
a.Knowledg	e and Understanding: :					
1 -	Identify quantitative techni	iques and me	tho	ds of software system		
2 -	Explain the principles and	techniques o	fso	oftware development m	nethods	
3 -	Identify the fundamental topics of software engineering such as software reuse and critical system development					
b.Intellectua	al Skills: :					
1 -	Analyze different architect	tural and obje	ct c	priented designs		
2 -	Select appropriate methodologies and techniques for design of a software system					
3 -	Classify methods and techniques to implement software system					
c.Profession	nal and Practical Skills: :					

- Apply effective information to design, implement and test a software system
 Construct and evaluate using user interface design using human computer interaction concepts.
 - 3 Deploy documentation and development tools for software systems

d.General and Transferable Skills: :

Work on a team for the development of a design and testing documents
 Apply communications skills in presentation and report writing of a software project deliverables

ABET Course outcomes :

1 -	Perform an architectural design for the requirements of a given software system.	
2 -	2 - Carry out detailed design for given software system.	



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

Course Topic And Contents :

_ · ·		•	
Торіс	No. of hours	Lecture	Tutorial / Practical
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** 5.00 Assignments 4 Final Exam 40.00 14 9 Midterm Exam (s) 20.00 Others (Participations) 5.00 Presentations 5.00 12 Quizzes 10.00 5 12 **Team Work Projects** 15.00

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