



Final Project Course Definition File

Syrian Arab Republic	 الجامعة الافتراضية السورية SYRIAN VIRTUAL UNIVERSITY	الجمهورية العربية السورية
Ministry of Higher Education		وزارة التعليم العالي
Syrian Virtual University		الجامعة الافتراضية السورية

1. Basic Information:

Course Name	Final Project
Course ID	IPR405
Contact Hours (Registered Sessions)	18
Contact Hours (Synchronized Sessions)	18
Mid Term Exam	NO
Exam	2
Registered Sessions Work Load	36
Synchronized Session Work Load	18
Credit Hours	4

2. Pre-Requisites:

Course	ID
Software Engineering	ISE301

3. Course General Objectives:

Students in this course have to build a real software product applying their acquired skills in the program. Students learn in this course how to write a technical report and how to insert citations, as well as how to make a professional presentation for the project committee.

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4. Intended Learning Outcomes (ILO):

Learning Outcomes codes	Learning Outcomes
LO1	Understand final project basics.
LO2	Learn how to write project requirements.
LO3	Learn how to write project proposal.
LO4	Learn how to write literature study.
LO5	Review software analysis tools.
LO6	Review software design tools.
LO7	Learn important implementation skills.
LO8	Learn writing technical reports skills.
LO9	Learn how to write citations and references.
LO10	Learn presentations skills.
LO11	Learn advanced topics in Word.

5. Course Content

LO	Course Syllabus	Recorded Sessions	Synchronized Sessions	Type	Additional Notes
LO1	Understand final project basics.	2	2	<input type="checkbox"/> Exercises <input checked="" type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input type="checkbox"/> Practices <input type="checkbox"/> Others	Visual Studio 2013

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LO2	Learn how to write project requirements.	2	2	<input type="checkbox"/> Exercises <input checked="" type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input checked="" type="checkbox"/> Practices <input type="checkbox"/> Others	Visual Studio 2013
LO3	Learn how to write project proposal.	2	2	<input type="checkbox"/> Exercises <input checked="" type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input checked="" type="checkbox"/> Practices <input type="checkbox"/> Others	Visual Studio 2013
LO4	Learn how to write literature study.	2	2	<input type="checkbox"/> Exercises <input checked="" type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input checked="" type="checkbox"/> Practices <input type="checkbox"/> Others	Visual Studio 2013
LO5	Review software analysis tools.	2	2	<input checked="" type="checkbox"/> Exercises <input checked="" type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input checked="" type="checkbox"/> Practices <input type="checkbox"/> Others	Visual Studio 2013
LO6	Review software design tools.	2	2	<input checked="" type="checkbox"/> Exercises <input checked="" type="checkbox"/> Assignments <input type="checkbox"/> Seminars	Visual Studio 2013

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				<input type="checkbox"/> Projects <input checked="" type="checkbox"/> Practices <input type="checkbox"/> Others	
LO7	Learn important implementation skills.	2	2	<input checked="" type="checkbox"/> Exercises <input checked="" type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input checked="" type="checkbox"/> Practices <input type="checkbox"/> Others	Visual Studio 2013
LO8	Learn writing technical reports skills.	1	1	<input checked="" type="checkbox"/> Exercises <input checked="" type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input checked="" type="checkbox"/> Practices <input type="checkbox"/> Others	Visual Studio 2013
LO9	Learn how to write citations and references.	1	1	<input checked="" type="checkbox"/> Exercises <input checked="" type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input checked="" type="checkbox"/> Practices <input type="checkbox"/> Others	Visual Studio 2013
LO10	Learn presentations skills.	1	1	<input checked="" type="checkbox"/> Exercises <input checked="" type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input checked="" type="checkbox"/> Practices <input type="checkbox"/> Others	Visual Studio 2013

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LO11	Learn advanced topics in Word.	1	1	<input checked="" type="checkbox"/> Exercises <input checked="" type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input checked="" type="checkbox"/> Practices <input type="checkbox"/> Others	Visual Studio 2013

6. Assessment Criteria (Related to ILOs)

LO Code	LO	Assessment Type				
		Interactive Synchronized Collaboration	Practice	Exams	Presentations And Face-to-Face Assessments	Reports
LO1	Understand final project basics.	X				
LO2	Learn how to write project requirements.	X				X
LO3	Learn how to write project proposal.	X				X
LO4	Learn how to write literature study.	X	X			X
LO5	Review	X	X			X

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	software analysis tools.					
LO6	Review software design tools.	X	X			
LO7	Learn important implementation skills.	X	X		X	
LO8	Learn writing technical reports skills.	X	X			X
LO9	Learn how to write citations and references.	X	X			X
LO10	Learn presentations skills.	X	X		X	
LO11	Learn advanced topics in Word.	X	X			X

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7. Course Syllabus (18 hours of total synchronized sessions)

Chapter	Contents	
(1) Final project basics	Final project	<ul style="list-style-type: none"> Final project objectives Final project phases The supervisor
	Choosing the project	<ul style="list-style-type: none"> Choosing the project steps Finding a problem Team work Find the title
	Choosing the team work	<ul style="list-style-type: none"> How to choose the team work
(2) Requirements	Requirements identification	<ul style="list-style-type: none"> Project life cycle Requirements identification steps Functional Requirements Nonfunctional Requirements Requirements test
	Example	<ul style="list-style-type: none"> Example
(3) Project Proposal	Writing the project proposal	<ul style="list-style-type: none"> Cover page The title Table of Contents Project Aim Key words Objectives Time table

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		<ul style="list-style-type: none"> • Tools • Initial References
	Example	<ul style="list-style-type: none"> • Example
(4) Literature Study	Literature Study	<ul style="list-style-type: none"> • Literature Study elements
(5) Analysis	Analysis	<ul style="list-style-type: none"> • Actors • Use Cases
	Example	<ul style="list-style-type: none"> • Example
(6) Design	Conceptual Diagram	<ul style="list-style-type: none"> • Conceptual Diagram • Sequence Diagram
	Classes Diagram	<ul style="list-style-type: none"> • Classes Diagram
	Database Diagrams	<ul style="list-style-type: none"> • ERD
(7) Implementation	Web Pages	<ul style="list-style-type: none"> • Web Pages Design hints
	Windows Forms	<ul style="list-style-type: none"> • Windows Forms Design hints
(8) The Report	The Report	<ul style="list-style-type: none"> • Report parts
	How to write a technical report	<ul style="list-style-type: none"> • Technical report
(9) References	Plagiarism	<ul style="list-style-type: none"> • Plagiarism
	Citations	<ul style="list-style-type: none"> • How to write citations and references
(10) Presentation	Presentation content	<ul style="list-style-type: none"> • Presentation content
	Presentation skills	<ul style="list-style-type: none"> • Presentation skills
	Body language	<ul style="list-style-type: none"> • Body language
(11) Word Skills	Table of Contents	<ul style="list-style-type: none"> • Create Table of Contents
	Table of Figures	<ul style="list-style-type: none"> • Create Table of Figures

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	Table of References	<ul style="list-style-type: none"> • Create Table of References
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8. Practice Tools:

Tool Name	Description
Visual Studio 2013	