" حيث تصبح الرؤية واقعاً"
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Tradition and Quality

Detailed Course Description - Course Plan Development and Updating Procedures/ Department of Software Engineering	QF01/0408-3.0E

Faculty	Science and IT	Department	Software Engineering
Course number	0114423	Course title	Internet Application Programming
Number of credit hours	3	Pre-requisite/co-requisite	0120261

Brief course description

This course will cover the following topics which help student to build a strong website
An introduction to ASP.NET programming , ASP Standard Server Control , Validation Control , transfer data between pages cookies, session and URL encoding , designing webpage using HTML , CSS and master pages , Database and ADO.NET Controls and Security of website

	Course goals and learning outcomes
Goal 1	Knowing about Internet Application Programming using ASP.NET
Learning outcomes	1.1 Provides an overview of Dynamic web pages 1.2 Provides an important of ASP.net 1.3 Provides an introduction of C#.net or VB.net
Goal 2	Training students to add server controls to ASP.net pages
Learning outcomes	2.1 Programming Standard ASP.NET Control using C# 2.2 Provides an introduction to validation using server side or client side.
Goal 3	Training students to design ASP.NET Pages
Learning outcomes	3.1 Training student to enhance the appearance of ASP.net page by create his own templates using master page and link it with HTML and CSS
Goal 4	Training Student to work with database to provide a dynamic web page
Learning outcomes	4.1 Provides an overview of database design and development using SQL Server Database. 4.2 Provides a Database Control 4.3 Provides an overview of ADO.net
Goal 5	Training student to add security to his / her own website
	5.1 Provides an overview of security and authentication in ASP.net 5.1 How to authenticate and authorize users
Textbook	1. Anne Boehm and Mary Delamater "Murach's ASP.NET 4.6 Web Programming with C# 2015" (6th Edition) ISBN 978-1-890774-95-0 (2016)
Supplementary	1– Sam Key and Millian Quinteros "ASP.NET: Programming Success in a Day:

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references	Beginners Guide to Fast, Easy and Efficient Learning of ASP.NET Programming" (2nd Edition) (2015) 2- Imar Spaanjaars "Beginning ASP.NET 4.5.1: in C# and VB" (1st Edition) ISBN: 978-1-118-84677-3 (2014) 3- William Penberthy "Beginning ASP.NET for Visual Studio 2015" (1st Edition) ISBN-10: 1119077427 (2016)

Course timeline				
Week	**Number of hours**	**Course topics**	**Pages (textbook)**	**Notes**
01	1 1 1	Chapter 1:An introduction to ASP.NET programming	3 – 25	
02	1 1 1	Chapter 2 How to develop a one-page web application Chapter 4 How to develop a multi-page web application	31 – 60 125 – 166	
03	1 1 1	Chapter 6 How to use the standard server controls • TextBox • Button	203 – 208	
04	1 1 1	Chapter 6 How to use the standard server controls • Label • CheckBox • RadiButton	208 – 216	
05	1 1 1	Chapter 6 How to use the standard server controls • DropDownlist • ListBox	216- 225	
06	1 1	Chapter 6 How to use the standard server controls • RadioButtonList	225-230	

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		1	• CheckboxList		
07		1 1 1	Chapter 6 How to use the standard server controls • Image • ImageButton • ImageMap	230 – 237	
08		1 1 1	Chapter 6 How to use the standard server controls • HyperLink • LinkButton • Calender	237 – 243	
09		1 1 1	Chapter 7: How to use the validation controls • RequiredFieldValidator • RangeValidator • CompareValidator • RegularExpressionValidator • CustomValidator • SummaryValidation	245 – 274	
10		1 1 1	Chapter 8: How to work with state, cookies, and URL encoding • Session • Application	277 – 280	
11		1 1 1	Chapter 8: How to work with state, cookies, and URL encoding • Session • Application	281 – 305	
12		1 1 1	Chapter 9 How to work with master pages Chapter 12 An introduction to database programming Chapter 13 How to use SQL data sources	309 – 330 413 – 430 441 - 480	
13		1 1 1	Chapter 14 How to use the GridView control Chapter 15 How to use the DetailsView and FormView controls	485 – 520 527 - 560	
14		1 1 1	Chapter 17 How to use object data sources with ADO.NET	597 – 610	
15		1 1	Chapter 17 How to use object data sources with ADO.NET	610 - 635	

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	1			
16	1	Chapter 19 How to secure a web application	697 – 700	
	1			
	1	Chapter 20 How to authenticate and authorize users	713 - 750	

Theoretical course evaluation methods and weight	Participation = 10% First exam 20% Second exam 20% Final exam 50%	**Practical (clinical) course evaluation methods**	Semester students' work = 50% (Reports, research, quizzes, etc.) Final exam = 50%

Approved by head of department		Date of approval	

Extra information (to be updated every semester by corresponding faculty member)

Name of teacher	Khalil Awad	Office Number	
Phone number (extension)		Email	Khalil.awad@zuj.edu.jo
Office hours			