



The University of Jordan

Accreditation & Quality Assurance Center

COURSE Syllabus

1	Course title	Web Publishing
2	Course number	1904252
3	Credit hours (theory, practical)	3
	Contact hours (theory, practical)	3
4	Prerequisites/corequisites	Fundamentals of Information Technology (1904101), Web Application Development-1 (1904121)
5	Program title	
6	Program code	
7	Awarding institution	University of Jordan
8	Faculty	King Abdullah II School for IT
9	Department	Business Information Technology
10	Level of course	Undergraduate
11	Year of study and semester (s)	2015 (Autumn, Spring, Summer)
12	Final Qualification	Bachelor of Science in Information Technology
13	Other department (s) involved in teaching the course	None
14	Language of Instruction	English
15	Date of production/revision	1 February 2015
16	Required/ Elective	Web Application Development 2

16. Course Coordinator:

Dr. Omar Sultan Al-Kadi

308, Business Information Technology Department, King Abdullah II School for IT, University of Jordan.

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Email: o.alkadi@ju.edu.jo

17. Other instructors:

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18. Course Description:

The explosion of Internet technologies is revolutionising the way that people do business, communicate and live. Millions of Internet users access unprecedented resources, send and receive messages, perform research and purchase products worldwide. Buying and selling of products or services over the Internet, known as e-commerce, is rapidly gaining significant portion of the global economy and playing a pivotal role in shaping and enhancing its growth. Therefore, information technology students need to understand how the Internet works and be able to design, implement and configure its services and applications effectively to meet customer requirements.

The emphasis of this course is two-fold:

- Client-side programming using DHTML, JavaScript, VBScript, and XML.
- Server-side programming using ASP.NET and ADO.NET.

19. Course aims and outcomes:

A- Aims:

This course is intended to teach students the skills and techniques required to create fully functioning websites. Students will learn how to configure Internet services, design and publish dynamic and interactive web pages, implement both client and server-side scripting, and use data access technologies to manipulate databases.

B- Intended Learning Outcomes (ILOs):

Upon successful completion of this course students will be able to ...

This course is intended to teach students the skills and techniques required to create fully functioning websites. Students will learn how to configure Internet services, design and publish dynamic and interactive web pages, implement both client and server-side scripting, and use data access technologies to manipulate databases.

On successfully completing the module, the students are expected to have gained good knowledge of:

1. *Build an ASP.NET web site and working with CSS in Visual Web Developer (VWD) 2010*
2. *Explain the purpose and syntax of XML, DTD, Schema, and XSLT*
3. *Understanding both client (Java and Visual Basic Script) and serverside (Visual Basic .NET) programming*
4. *Understanding Object Oriented Programming in Visual Basic .NET 2010*
5. *Create an ASP.NET Web application project using Visual Web Developer 2010*
6. *How to create and use server, user and validation controls in an ASP.NET web form*
7. *Using ADO.NET to access, create, update, and delete data in an ASP.NET Web application*
8. *ASP.NET session tracking by Cookies and HttpSessionState*
9. *Using web services and page methods in an ASP.NET Ajax web site*
10. *Marinating the security (identification, authentication, and authorization) of the ASP.NET web application.*

20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Web basics and getting started with Microsoft Visual Web Developer 2010	1	Dr. Omar Sultan Al-Kadi	1	Theoretical (quizes), Practical (programming assignments)	
Designing web pages and working with CSS in VWD2010	2	Dr. Omar Sultan Al-Kadi	1	Theoretical (quizes), Practical (programming assignments)	
JavaScript and DHTML	3	Dr. Omar Sultan Al-Kadi	3	Theoretical (quizes), Practical (programming assignments)	
EXtensible Markup Language (XML), Schema, and XSLT	4-5	Dr. Omar Sultan Al-Kadi	2	Theoretical (quizes), Practical (programming assignments)	
Server controls	6-7	Dr. Omar Sultan Al-Kadi	3,4,5	Theoretical (quizes), Practical (programming assignments)	
Master pages and navigation controls	8	Dr. Omar Sultan Al-Kadi	5	Theoretical (quizes), Practical (programming assignments)	
User controls	9	Dr. Omar Sultan Al-Kadi	6	Theoretical (quizes), Practical (programming assignments)	
Validation controls	10	Dr. Omar Sultan Al-Kadi	6	Theoretical (quizes), Practical (programming assignments)	
Retrieving and manipulating data with data and data-bound controls	11-12	Dr. Omar Sultan Al-Kadi	7	Theoretical (quizes), Practical (programming assignments)	
ASP.NET AJAX	13	Dr. Omar Sultan Al-Kadi	9	Theoretical (quizes), Practical (programming assignments)	
Cookies and	14	Dr. Omar Sultan	8	Theoretical	

Session tracking		Al-Kadi		(quizes), Practical (programming assignments)	
Securing ASP.NET Web applications	15	Dr. Omar Sultan Al-Kadi	10	Theoretical (quizes), Practical (programming assignments)	

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

Teaching methods will focus on:

- Understanding Internet platform.
- Implementing both client and server-side scripting
- Improving productivity concepts through Web authoring.

Assignments

Biweekly practical worksheets.

Programming project submission:

Students are required to design and program a website (website topic to be chosen by arrangement with your lecturer) to demonstrate their practical understanding of what they have learned in this course. All web pages should be of type aspx and need to be validated and have the W3 consortium logo available at the bottom left side of each page,

The programming project should consist of two main parts:

Part 1: **client side**: using any of the scripting languages (XHTML & CSS, DHTML, Java Script) to design your website.

Part 2: **server side**: using ASP.Net via VB to accomplish this part of the project. The general layout of the website should be designed by a Master page, and where appropriate use server and user controls, and navigation control for the menu, and validation controls for checking input forms, and data controls for connection with database.

22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

There will be one final exam comprising 50% of the total course grade, and 1mid-term exams (30% of the final grade). The remaining 20% is accounted for a programming project.

23. Course Policies:

A- Attendance policies:

Students are expected to attend lectures. A grace period of 5 minutes is granted for late arrival to course lectures. Late arrival of more than 5 minutes will be marked as absent.

B- Absences from exams and handing in assignments on time:

Student is deprived from attending the final exam of the course if s/he is absent for 15% of class time (5 absence for lecture duration 1 hour 20 minutes, and 7 absence for lecture duration 50 minutes) and will be given a fail (F)

grade. If the absence is for a valid reason that is deemed acceptable by the registrar, the student is considered withdrawn (WD) from the subject.

Late submissions are not allowed except when the student can provide an appropriate medical certificate that is accepted by the subject lecturer.

C- Health and safety procedures:

All students should comply with the university Health and Safety procedures.

D- Honesty policy regarding cheating, plagiarism, misbehavior:

All students should comply with the university honesty policy regarding cheating, plagiarism, misbehavior.

E- Grading policy:

There will be one final exam comprising 50% of the total course grade, and 1 mid-term exam (30% of final grade). The remaining 20% is accounted for a programming project.

F- Available university services that support achievement in the course:

<http://elearning.ju.edu.jo>

24. Required equipment:

Software: Microsoft visual Web Developer, Microsoft SQL server.

25. References:

A- Required book (s), assigned reading and audio-visuals:

- Beginning ASP.NET 4: in C# and VB, 1st edition by Imaar Spaanjaars, Worx, 2010 (ISBN: 0470502215)

B- Recommended books, materials, and media:

- Internet & World Wide Web- How to Program, 4th edition, by H. M. Deitel, P. J. Deitel and A.B. Goldberg, Prentice Hall, 2008 (ISBN: 0131752421)
- Web development and design foundations with XHTML, 5th edition by Terry Felke-Morris, Addison Wesley, 2010 (ISBN: 0132122707)
- Lecture notes

26. Additional information:

Name of Course Coordinator: Omar Sultan Al-Kadi Signature: O.K. Date: 15 May 2015 Head of curriculum committee/Department: ----- Signature: -----
Head of Department: ----- Signature: -----
Head of curriculum committee/Faculty: ----- Signature: -----
Dean: ----- -Signature: -----

Copy to:
Head of Department
Assistant Dean for Quality Assurance
Course File