



University of Jordan

King Abdullah II School for Information Technology
Business Information Systems Department

Web Publishing (1904252)

Subject Outline

General Information

- Subject title: Web Publishing
- Subject number: 1904252
- Semester and year offered: Spring semester, 2015
- Subject level: UG (under graduate) 2nd year
- Name of subject lecturer: Dr. Omar Sultan Al-Kadi
- School and Department: King Abdullah II School for Information Technology (KASIT), Department of Business Information Technology (BIT)

Syllabus

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 would be mainly on server-side programming by developing and deploying web applications using ASP.NET and ADO.NET in VisualBasic.NET. Also client-side scripting languages such as JavaScript along with DHTML and XML would be covered for introducing more dynamic functionality, form validation and server communication.

Learning Outcomes (Objectives)

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:

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

Prerequisite

Completion of:

- Fundamentals of Information Technology (1904101)
- Web Application Development-1 (1904121)

Subject Timetable

Week	Topics
1	Web basics and getting started with Microsoft Visual Web Developer 2010
2	Designing web pages and working with CSS in VWD2010
3	JavaScript and DHTML
4&5	EXtensible Markup Language (XML), Schema, and XSLT
6&7	Server controls
8	Master pages and navigation controls
9	User controls
10	Validation controls
11&12	Retrieving and manipulating data with data and data-bound controls
13	ASP.NET AJAX
14	Cookies and Session tracking
15	Securing ASP.NET Web applications

Contacting Subject Lecturer

Course convenor (coordinator): Dr. Omar Sultan Al-Kadi

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Office hours: Check times at:

<http://www.ju.edu.jo/sites/Academic/o.alkadi/Pages/OfficeHours.aspx>, or send an e-mail to arrange for an appointment.

Subject Resources

Textbook

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

References

- Internet & World Wide Web- How to Program, 5th edition, by P. Deitel, H. Deitel and A. Deitel, Prentice Hall, 2012 (ISBN: 0-273-76402-0)
- Web development and design foundations with XHTML, 5th edition by Terry Felke-Morris, Addison Wesley, 2010 (ISBN: 0132122707)
- Lecture notes

Online

- <http://www.w3schools.com/aspnet>
- <http://www.wrox.com/WileyCDA/WroxTitle/Beginning-ASP-NET-4-in-C-and-VB.productCd-0470502215.html>
- www.w3.org

Assessment

There will be one final exam comprising 50% of the total course grade, and 2 mid-term exams (each 15% of final grade). The remaining 20% is accounted for a programming project.

Subject Policy

Feedback on assignments is given on the individual assignment documents and in general discussion of the assignment in class.

a. Examinations

- The final examination will be conducted in a two hours' duration.
- The final examination will comprise multiple choices, short and long questions.

b. Submissions, late penalties, absences etc.

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

- A grace period of 5 minutes is granted for late arrival to course lectures. Late arrival between 5 & 10 minutes will be marked as late attendance, and one absence will be issued for four late attendances. Late arrival of more than 10 minutes will be marked as absent.

c. *Special consideration and deferred examinations*

In the case of illness, misadventure at the scheduled time of an examination, students should contact the subject lecturer as soon as possible.

d. *Supplementary examinations*

A supplementary examination is not allowed in this subject. If you miss the first midterm exam for a valid reason (as described in "b") then your mark will be the average of the second midterm exam and the final exam; if you miss the second midterm exam then your mark will be the average of the first midterm exam and the final exam.

Student responsibility

a. *Enrolment*

It is the student's responsibility to ensure that they are correctly enrolled in each subject and that the subjects are correct for their course of study.

b. *Attendance*

Students are expected to attend lectures.

c. *Announcements*

Announcements made on the subject website or in lectures are deemed to be made to all students.

d. *Workload*

The bulk of the student workload will be in lecture revision, solving assignment's questions and in laboratory applications.