ENTD464

Course Summary

Description

Course Description: This course evaluates the process for designing, developing, and deploying .NET enterprise applications. This course is a culmination of courses on Visual Basic.Net, ASP.Net, and C#.Net; the student will apply the knowledge and skills learned in these courses to develop and deploy a web-based application. This course investigates the process for configuring the .Net Framework and examines the issues related to project integration and application deployment. Students must have access to Visual Studio 2008 or Visual Web Developer 2008 Express Edition (or higher) and Microsoft Access 2007 (or higher) software. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD200 OR ENTD211)

Course Scope:

This course is last in a series of courses on Enterprise Programming. The series focuses on Enterprise Web Development using the .NET framework. This course exploits the power of .NET programming environment.

Objectives

After successfully completing this course, you will be able to

- Explain the impact of the Visual Studio ID on IT developer resource requirements.
- Describe the process for developing GUI applications using the Visual Studio IDE.
- Explain the principles and practices of Object-Oriented Programming.
- Analyze the impact of the .NET Framework and Visual Basic.NET on enterprise programming and global e-commerce as it applies to developing, deploying, and managing desktop and web-based applications.
- Explain the features, functionality, power, and advantages of Enterprise Development using .NET: Project that have made it a viable tool for website design, development, deployment, and management.
- Apply the concept of managed data providers within the .NET Framework.
- Build .NET applications using ASP.NET, VB.NET and C#.

Outline

Week 1:

Topic

Examining the ASP.NET Programming Model, and Developing an ASP.NET Application in Microsoft Visual Studio.NET

Learning Objectives

- Explain the impact of the Visual Studio ID on IT developer resource requirements.

Readings

Chapters 1 & 2

Assignment

Week 1 Forum

Assignment 1: WK1

Week 2:

Topic

The Anatomy of an ASP.NET Page

Learning Objectives

- Describe the process for developing GUI applications using the Visual Studio IDE.

Readings

Chapters 3 & 4

Assignment

Week 2 Forum

Assignment 2: WK2

Week 3:

Topic

Working with VB.NET and C#

Forms, Controls and Validations

Learning Objectives

- Explain the principles and practices of Object-Oriented Programming.

Readings

Chapters 5 & 6

Assignment

Week 3 Forum

Assignment 3: WK3

Week 4:

Topic

System Analysis & Design Evaluation

Models for Economic Evaluation

Learning Objectives

- Explain the features, functionality, power, and advantages of Enterprise Development using .NET: Project that have made it a viable tool for website design, development, deployment, and management.

Readings

Chapters 8 & 9

Assignment

Week 4 Forum
Assignment 4: WK4

Week 5:

Topic

ADO.NET 1

Learning Objectives

- Analyze the impact of the .NET Framework and Visual Basic.NET on enterprise programming and global e-commerce as it applies to developing, deploying, and managing desktop and web-based applications.

Readings

Chapters 12 & 13

Assignment

Week 5 Forum

Assignment 5: WK5

Week 6:

Topic

ADO.NET 2

Learning Objectives

- Analyze the impact of the .NET Framework and Visual Basic.NET on enterprise programming and global e-commerce as it applies to developing, deploying, and managing desktop and web-based applications.

Readings

Chapters 14 & 15

Assignment

Week 6 Forum

Assignment 6: WK6

Week 7:

Topic

Shopping Cart

Learning Objectives

- Apply the concept of managed data providers within the .NET Framework.
- Build .NET applications using ASP.NET, VB.NET and C#.

Readings

Chapters 10, 11, & 17

Assignment

Week 7 Forum

Assignment 7: Final Project Part I

Week 8:

Topic

ASP.NET Security & Authentication

Learning Objectives

- Appy the concept of managed data providers within the .NET Framework.
- Build .NET applications using ASP.NET, VB.NET and C#.

Readings

Chapters 16

Assignment

Week 8 Forum

Assignment 8: Final Project II

Evaluation

Students are expected to maintain routine contact with the instructor throughout the course. While the number of contacts may vary according to the specific course and individual student need, the University requires periodic weekly contacts during the semester. Contact will consist of professor notes, forum interaction, and

email feedback. The method of discussion will be on-line related to issues concerning forum assignments, quizzes, assignments, the midterm project and final project.

TEXTBOOK READINGS

Review the assigned textbook and support materials for this course! Review the table at the end of the syllabus to see assigned readings for each week.

PROJECTS

The projects for this course are located throughout each Lesson. The projects that are required for grading with this course are created from scratch.

FORUM

The Forum assignments for this course are designed to promote interactivity among students and enhance the online learning process. The Forum provides maximum flexibility because you do not have to be online at the same time as another person and you can read what other students have written.

Forum Timing: For the forum, you must post your work by midnight on **Thursday**, continue to follow your classmates' posts for the remainder of the week, and post the follow-up peer responses prior to midnight on **Sunday,** *except for week one*. Your follow-up posts can add additional insight to a classmate's opinions or can challenge their opinions. Use examples from the readings, or from your own research, to support your views, as appropriate. Be sure to read the follow-up posts to your own posts and reply to any questions or requests for clarification. You are encouraged to conduct research and use other sources to support your answers.

Required Participation: Please keep in mind that the forum assignments require you to make at least 1 post to the forum with at least 250 words about the topic and also respond to at least 2 peers' posts with at least 150 words. Please be advised that there will be point deductions if you do not comply with these requirements of the assignment. Each one of you will have a different and unique experience that we can all learn from. Your participation in the Forums unleashes the power of synergy in our classroom. To facilitate this interaction, please be prompt when posting your forum work for each week; this provides time for the others to actively engage in the dialogue. For practical reasons, when you respond to other learners' posts, please start your response by referencing their name. I will read and grade your participation by reading the forum. There is no need to also post your forum work in the assignments area of the classroom. Refer to the forum and the syllabus for more details on grading.

FINAL PROJECT

The Final Project requires you to use your knowledge gained through-out the course apply what you learned

Grading:

Name	Grade %
Forums	20.00 %
Week 1 Forum	2.50 %
Week 2 Forum	2.50 %
Week 3 Forum	2.50 %
Week 4 Forum	2.50 %
Week 5 Forum	2.50 %
Week 6 Forum	2.50 %
Week 7 Forum	2.50 %
Week 8 Forum	2.50 %
Assignments	60.00 %
Assignment 1: WK1	8.57 %
Assignment 2: WK2	8.57 %
Assignment 4: WK4	8.57 %

Assignment 3: WK3	8.57 %
Assignment 5: WK5	8.57 %
Assignment 6: WK6	8.57 %
Assignment 7: Final Project Part I	8.57 %
Final Project	20.00 %
Assignment 8: Final Project Part II	20.00 %

Materials

Book Title: Beginning ASP.NET 4: in C# and VB - ebook available in the APUS Online Library

Author: Imar Spaanjaars

Publication Info: Wrox Press

ISBN: 9780470502211

Book Title: To find the library e-book(s) req'd for your course, please visit http://apus.libguides.com/er.php to locate the eReserve by course #. You must be logged in to eCampus first to access the links.

Author: N/A

Publication Info: N/A

ISBN: N/A

You can access the book by going to this page and searching by course number:
http://apus.libguides.com/er.php

SOFTWARE

Students must have access to Microsoft Visual Studio 2012 or later or the Express Edition. Microsoft presently offers a free version of Visual Studio in the classroom; it is the student's responsibility to download and install this software.

FREE VISUAL STUDIO IS AVAILABLE in the CLASSROOM at the FREE SOFTWARE LINK. Click the link to access: To get started please click here or browse to this address:
http://e5.onthehub.com/WebStore/Welcome.aspx?ws=8dd763c2-8f50-e411-9405-b8ca3a5db7a1

Course Guidelines

Citation and Reference Style

- Attention Please: Students will follow the APA Format as the sole citation and reference style used in written work submitted as part of coursework to the University. Assignments completed in a narrative essay or composition format must follow the citation style cited in the APA Format.

Tutoring

- Tutor.com offers online homework help and learning resources by connecting students to certified tutors for one-on-one help. AMU and APU students are eligible for 10 free hours* of tutoring provided by APUS. Tutors are available 24/7 unless otherwise noted. Tutor.com also has a SkillCenter Resource Library offering educational

resources, worksheets, videos, websites and career help. Accessing these resources does not count against tutoring hours and is also available 24/7. Please visit the APUS Library and search for 'Tutor' to create an account.

Late Assignments

- Students are expected to submit classroom assignments by the posted due date and to complete the course according to the published class schedule. The due date for each assignment is listed under each Assignment.
- Generally speaking, late work may result in a deduction up to 20% of the grade for each day late, not to exceed 5 days.
- As a working adult I know your time is limited and often out of your control. Faculty may be more flexible if they know ahead of time of any potential late assignments.

Turn It In

- Faculty may require assignments be submitted to Turnitin.com. Turnitin.com will analyze a paper and report instances of potential plagiarism for the student to edit before submitting it for a grade. In some cases professors may require students to use Turnitin.com. This is automatically processed through the Assignments area of the course.

Academic Dishonesty

- Academic Dishonesty incorporates more than plagiarism, which is using the work of others without citation. Academic dishonesty includes any use of content purchased or retrieved from web services such as CourseHero.com. Additionally, allowing your work to be placed on such web services is academic dishonesty, as it is enabling the dishonesty of others. The copy and pasting of content from any web page, without citation as a direct quote, is academic dishonesty. When in doubt, do not copy/paste, and always cite.

Submission Guidelines

- Some assignments may have very specific requirements for formatting (such as font, margins, etc) and submission file type (such as .docx, .pdf, etc) See the assignment instructions for details. In general, standard file types such as those associated with Microsoft Office are preferred, unless otherwise specified.

Disclaimer Statement

- Course content may vary from the outline to meet the needs of this particular group.

Communicating on the Forum

- Forums are the heart of the interaction in this course. The more engaged and lively the exchanges, the more interesting and fun the course will be. Only substantive comments will receive credit. Although there is a final posting time after which the instructor will grade comments, it is not sufficient to wait until the last day to contribute your comments/questions on the forum. The purpose of the forums is to actively participate in an on-going discussion about the assigned content.
- "Substantive" means comments that contribute something new and hopefully important to the discussion. Thus a message that simply says "I agree" is not substantive. A substantive comment contributes a new idea or perspective, a good follow-up question to a point made, offers a response to a question, provides an example or illustration of a key point, points out an inconsistency in an argument, etc.
- As a class, if we run into conflicting view points, we must respect each individual's own opinion. Hateful and hurtful comments towards other individuals, students, groups, peoples, and/or societies will not be tolerated.

University Policies

[Student Handbook](#)

- [Drop/Withdrawal policy](#)

- [Extension Requests](#)

- [Academic Probation](#)

- [Appeals](#)

- [Disability Accommodations](#)

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