COM272: ASP.NET

SYLLABUS

Description

Students will learn to develop website applications using Microsoft technologies. In this course students will develop a dynamic web application demonstrating an understanding of ASP.NET, .NET Web Services, and ADO .NET.

General Course Information

Number of Units/Weeks	4/10
#Hours Lecture/#Hours Laboratory/#Hours Homework	30/20/60
Prerequisite(s)	COM230, COM270, COM287
Co-requisites (s)	N/A
Course Developer(s)	K. Van Matre, M.S.
Date Approved / Last Review	August 2007 / August 2014

Resources

Note: Be aware some websites may change with no notice

Text

Liberty, J., & Hurwitz, D. (2005). *Programming ASP.NET* (3rd ed.). Sebastopol, Calif.: O'Reilly.

Supplemental Resources

Darie, R and Ruvalcaba, Z, Build Your Own ASP.NET 2.0 Web Site Using C# & VB, SitePoint, 2006..

MacDonald, Matthew, James Huddleston, and Jonathan Hassell. (2006) Beginning ASP.NET 2.0 in C#: From Novice to Professional. Berkeley CA: Lancaster CA: Apress.

Course Objectives and Outcomes

Upon successful completion of this course, students will be able to:

Produce

- A dynamic Web site developed with ASP.NET
- Web site that utilizes Master pages
- Web site that uses the three-tier architect model
- Web site driven by Microsoft SQL Server

Use

- Microsoft Rapid Application Development environment
- SQL Server management studio
- ADO.NET technology
- Microsoft Collection Framework
- Microsoft Validation Framework

Knowledgeably Discuss

- Data Access Layer
- The Internet as a programming platform; HTTP, HTTP headers, state
- Maintaining persistence between browser request and server responses
- Application, Session, and ViewState scope
- Web Services

Course Outline (see course schedule for specific dates)

Week				
Days	**Nights**	**Topic**	**Chapter or Resource**	**Activities**
1	1	Introduction to ASP.NET 2.0	Lesson 1 Chapters 1 and 3	
1	1	Building ASP.NET Web Pages Advanced Server Controls	Lesson 2 Chapter 4 Lesson 3 Chapters 4, 5, and 12	**Read Chapters 1,3,4,5 & 12** 225 pages: 22.5 hours **Evaluation**: Quiz Week 4 and Midterm

Week				
Days	**Nights**	**Topic**	**Chapter or Resource**	**Activities**
1	2	Web Application Features Introduction to the GlacierPoint Tutorial	Lesson 4 Chapter 2 Lesson 5 Chapters 12 and 13	**Read Chapters 2 & 13** 87 Pages: 8.7 hours **Review Chapter 12** **Evaluation**: Quiz Week 4 and Midterm **Exercise:** GlacierPoint Tutorial Part 1
2	3	Validation Controls Using ADO.NET with ASP.NET	Lesson 6 Chapter 8 Lesson 7 Chapters 9 and 10	**Read Chapters 8,9, & 10** 160 pages: 16 hours **Evaluation**: Quiz Week 4 and Midterm **Exercise:** GlacierPoint Tutorial Part 2 GlacierPoint Tutorial Part 3
2	3	Using Data Access Methods in GlacierPoint	Lesson 9 Chapter 9	**Review Chapter 9**
2	4	Managing Database Records	Lesson 10 Chapter 9	**Review Chapter 9** **Exercise:** GlacierPoint Tutorial Part 4
3	4	Quiz 1 (Lessons 1 – 7)	Lesson 8	**Quiz 1** Lessons 1-7 and Chapter readings **Evaluation**: Midterm
3	5	Test 1 (Lessons 1 – 7) The DataList Control	Lesson 8 Lesson 11 Chapter 9	**Review Chapters 1,3,4,5,12,13,8,9 & 10** 512 pages: 25 hours **Evaluation**: Midterm **Exercise:** GlacierPoint Tutorial Part 5

Week				
Days	**Nights**	**Topic**	**Chapter or Resource**	**Activities**
3	6	The GridView and DetailsView Controls	Lesson 12 Chapter 9	**Review Chapter 9** **Exercise:** GlacierPoint Tutorial Part 6 Project 1 – The Arkham Books Web Site Part 1
4	7	Advanced Data Access	Lesson 13 Chapter 9	**Review Chapter 9** **Exercise:** Project 2 – The Arkham Books Web Site Part 2
4	8	Security and User Authentication	Lesson 14 Chapter 11	**Read Chapter 11** 35 pages: 3.5 hours **Evaluation**: Quiz Week 9 and Final exam **Exercise:** Project 3 – The Arkham Books Web Site Part 3
5	9	Quiz 2 (Lessons 9 – 14)	Lesson 15	**Quiz 2** Lessons 9-14 and Chapter readings
5	10	Test 2 (Lessons 9 – 14)	Lesson 15	

Readings: 54.7 hours

Exam Review Readings 26.7 hours

Exercises: hours

Projects: hours

Total: 81.4 hours

Your Grades for this Course

Your final grade for this course will be based on an assessment by the Instructor of your performance on a number of course activities, which may include objective tests, classroom exercises, laboratory demonstrations, project papers, or other types of activities. The chart below indicates in what activities you will engage, how many possible points can be earned for each activity, and the percentage of your final grade that will be accounted for by each activity.
Students in this course should be graded following Coleman University assessment practices and policies. A point system is used in the University to indicate student performance on various required activities or projects. For this course, it is recommended that points be distributed as follows:

Coleman University Grade Assignment Policy:

Percent	Letter Grade	Grade Points
94-100	A	4
90-93	A-	3.67
87-89	B+	3.33
84-86	B	3
80-83	B-	2.67
77-79	C+	2.33
74-76	C	2
70-73	C-	1.67
67-69	D+	1.33
64-66	D	1

60-63	D-	0.67
N/A	INC	0
N/A	W	0
60 or above	CR	0
59 or below	NC	0
N/A	I	0
N/A	W	0
N/A	AU	0
N/A	TR	0
N/A	WV	0

Legend	
CR = Credit	NC = No Credit
I = Incomplete	W = Course Withdrawal
AU = Audit	TR = Transfer Credit
WV = Waiver	

Academic Accommodation / Adjustment Policy:

In accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA), Coleman University offers accommodations to students with documented physical, psychological, and/or cognitive disabilities. Coleman University will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to offer equal educational opportunities to qualified disabled individuals.

To qualify for an academic accommodation under ADA, the student must provide adequate documentation of a disability. Students seeking academic accommodations should contact the campus ADA Coordinator at 858-966-3953 or via email at ada@coleman.edu. The ADA Coordinator will review the documentation provided and verify ADA coverage. Students covered under ADA must meet with the ADA Coordinator at the beginning of every term to determine the appropriate academic accommodations. Failing to meet with the ADA Coordinator at the beginning of every term may impact the availability of accommodations.

After the academic accommodations have been determined, the students' instructors will be notified by the ADA Coordinator. If any problems or concerns regarding the provision of accommodations occur, the student must inform the ADA Coordinator. If the student

feels accommodation is not being made appropriately, the student may follow the published Student Grievance Procedures.