Course Syllabus

MMIS 657 Electronic Commerce Application Software (3 credits)
Fall 2003, September 22 – December 12, On-campus

Instructor:
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Class Location and Format:  LRITC 1046, Main Campus
Class Hours:  Mondays 6:30-9:30 PM
Class Web Site:  http://scis.nova.edu/~dshrader/mmis657/fl2003

Course Description:
This course examines application software for business-to-business (B2B) and business-to-consumer (B2C) e-Commerce. Studied are several building blocks for ecommerce application development including XML, web services and specific frameworks. In Fall 2003, an object-oriented framework called the .NET framework will be used to convey the concepts. The specific scripting languages used will be VB.NET and C#.NET (Java).

Required Textbook(s):
Title: ASP.NET Unleashed
Author: Stephen Walther
ISBN: 067232542X
Edition: 2nd
Publisher: SAMS

Optional Textbook(s):
As indicated below, a student can choose any .NET development tool tool (e.g., Web Matrix, Visual Studio.NET). Students are strongly encouraged to purchase a text to help learn tool usage. Class notes and lecture time will provide only cursory usage of tools and will not attempt to cover any specific tool in depth. Master's-level students are expected to be able to learn specific tools on their own.

ASP.NET, VB.NET, C#.NET and SQL Server 7.0 will be used on the hosting server. The required text, class notes, and links in class website should provide basic knowledge about each of the above. Throughout the course, several additional papers and online reference materials will be identified to assist in comprehension of specific topics.

The following two books are more programming oriented:

Online resources:
1. [ASP.NET tutorials](http://www.asp.net/Tutorials/quickstart.aspx)
2. [VB.NET Microsoft](http://msdn.microsoft.com/vbasic)
3. [C#.NET Microsoft](http://msdn.microsoft.com/vcsharp)
4. IBuySpy sample applications (storefront and portal)  
   [http://www.asp.net/default.aspx?tabindex=5&tabid=42]
5. A course on .NET  
   [http://docs.msdnaa.net/ark_new/Webfiles/courseware1.htm#webdev]

This course assumes a basic working knowledge of HTML and a programming language, such as Visual Basic or Java. The text book utilizes VB.NET for its examples with C# versions on the accompanying CD. The following book can serve as a reference for HTML:


**Required Software:**
1) The Microsoft .NET Framework SDK version 1.1 for both Visual Basic and C# programming languages is available on the CD that accompanies the text book.
2) An Integrated Development Environment for .NET. The following options are suitable:
   a) Visual Studio.NET from Microsoft (preferred). VS.NET will be available for use in class and student copies may be available. Information will be provided at the first class.
   b) A free IDE, called Web Matrix, available on the CD that accompanies the text book.
   c) Notepad or other text editor.

**Exit Competencies:**
The overall goal of this course is to provide the student with an understanding of the principles of web development frameworks and technologies which form an integral part of B2B and B2C applications. Specifically, the course is designed to provide the student with:
1) A basic understanding of a specific framework (.NET), including ASP.NET, VB.NET or C#.NET, ADO.NET.
2) Web application framework using .NET, including state management and basic security.
3) Introduction to XML.
4) Introduction to Web services.
5) Introductory skills in planning, analysis, design and implementation in code.
6) Overview of architecture for web applications.

**Course Outline:**
1. ASP.NET Web Forms
   a. ASP.NET Pages
   b. Forms with Web Server Controls
   c. Form Validation and Validation Controls
   d. Advanced Controls
2. Advanced ASP.NET Page Development
   a. Custom User Controls
3. ADO.NET
   a. Introduction to ADO.NET
   b. Binding Data to Web Controls
   c. Using Datalist and DataGrid Controls
   d. Working with Datasets
   e. Working with XML
4. ASP.NET Applications
5. ASP.NET Web Services
6. Sample ASP.NET Applications

**Tentative Schedule:**
The class meets each Monday evening starting September 22, 2003 and ending December 8, 2003 with a holiday on October 6, 2003. The course will follow the outline as stated above with adjustments as the term progresses. The final class period will involve live presentations of your final project to the class.
Instruction Methods and Tools:
The course is taught onsite and will incorporate in-class lectures and practical laboratory examples. Each student will be required to produce a variety of web applications to be hosted on the SCIS web server and the SCIS .NET server.

All students will be required to submit assignments via the SCIS ESET system. The ESET system, which stands for Electronic Student, Electronic Teacher, is a cutting-edge system designed to allow you to submit assignment documents to your professor in the form of word processor files, spreadsheets, images, or any requested file type directly from your web browser. In some cases, identified for individual assignments, the assignment is to be uploaded to the SCIS web server with a URL submitted via ESET.

Grades and feedback for individual assignments will be posted via ESET. In some cases, a marked up paper copy will be returned if useful for clarifying the feedback.

Students may need to use the SCIS Forums. Forums is an interactive, dynamic web-based tool that functions much like a bulletin board between students and professor, allowing all students to read each other’s postings. The Forums provide a means for assistance in the use of development tools, programming language details, or concept discussions in the intervening time between classes.

Specific instructions will be provided with each assignment.

Assignments:
All assignments will have a Suggested Due Date. Students, however, may choose to turn in an assignment any time during the semester, but NO LATER THAN December 12, 2003. Submissions received by the suggested due date will be graded and returned within a week. Detailed instructions will be provided with each assignment.

Examinations and Quizzes: None.

Grading Criteria:

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<td>1) 6 Programming Exercises (A paper review can be substituted for Assignment 6).</td>
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<td>2) Final Project or Paper</td>
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A student may not do additional work or repeat an examination to raise a final grade.

Bibliography:

Class/Course Rules:
1. Standards of Academic Integrity (For complete policy, see Code of Student Conduct and Academic Responsibility, p. 45. Also see the sections on student misconduct, p. 10, and the NSU Student Handbook.)

Students are encouraged to discuss the course contents with colleagues in order to gain a better understanding of the various issues covered. However, all work that you submit must reflect your
individual effort. Any help that you receive must be explicitly acknowledged and all reference material must be cited.

Each student is responsible for maintaining academic integrity and intellectual honesty in his or her academic work. It is the policy of the school that each student must:

- Submit his or her own work, not that of another person
- Not falsify data or records (including admissions materials)
- Not engage in cheating (e.g., giving or receiving help during examinations, acquiring and/or transmitting test questions prior to an examination)
- Not receive or give aid on assigned work that requires independent effort
- Properly credit the words or ideas of others according to accepted standards for professional publications.
- Not use term paper writing services or consult such services for the purpose of obtaining assistance in the preparation of materials to be submitted in courses or for theses or dissertations
- Not commit plagiarism (Webster’s defines plagiarism as “stealing or passing off ideas or words of another as one’s own” and “the use of a created production without crediting the source.”).

When using the exact words of another, quotation marks must be used for short quotations (fewer than 40 words), and block quotation style must be used for longer quotations. In either case, a proper citation must also be provided. When paraphrasing (summarizing, rewriting, or rearranging) the words or ideas of another, a proper citation must be provided. The Publication Manual of the American Psychological Association, Fifth Edition, contains standards and examples on quotation methods (pages 117 and 292) and on citation methods (pp. 207–214).

Extreme caution must be exercised by students involved in collaborative work to avoid violation of this policy.


2. Writing Skills

Each student must demonstrate proficiency in the use of the English language in all work submitted for this course. Grammatical errors, spelling errors, and writing that does not express ideas clearly will affect your grade. The professor will not provide remedial help concerning writing problems that you might have. Students who are unable to write correctly and clearly are urged to contact their program office for sources of remedial help.

3. Communication by Email

Students must use their NSU email accounts when sending email to faculty and staff and must clearly identify their names and other appropriate information, e.g., course or program. When communicating with students via email, faculty and staff members will send mail only to NSU email accounts using NSU-recognized usernames. Students who forward their NSU-generated email to other email accounts do so at their own risk. SCIS uses various course management tools that use private internal email systems. Students enrolled in courses using these tools should check both the private internal email system and NSU’s regular email system. NSU offers students Web-based email access. Students are encouraged to check their NSU email account daily.
4. The Temporary Grade of Incomplete (I)

The temporary grade of Incomplete (I) will be granted only in cases of extreme hardship. Students do not have a right to an incomplete, which may be granted only when there is evidence of just cause. A student desiring an incomplete must submit a written appeal to the course professor at least two weeks prior to the end of the term. In the appeal, the student must: (1) provide a rationale; (2) demonstrate that he/she has been making a sincere effort to complete the assignments during the term; and (3) explain how all the possibilities to complete the assignments on time have been exhausted. Should the course professor agree, an *incomplete contract* will be prepared by the student and signed by both student and professor. The *incomplete contract* must contain a description of the work to be completed and a timetable. The completion period should be the shortest possible. In no case may the completion date extend beyond 30 days from the last day of the term for master’s courses or beyond 60 days from the last day of the term for doctoral courses. The *incomplete contract* will accompany the submission of the professor’s final grade roster to the program office. The program office will monitor each *incomplete contract*. If a change-of-grade form is not submitted by the scheduled completion date, the grade will be changed automatically from I to F. No student may graduate with an I on his or her record. The grade of I does not apply to master’s thesis or doctoral dissertation registrations.

5. Grade Policy Regarding Withdrawals

Course withdrawal requests must be submitted to the student’s program office in writing (via postal mail or email) by the student. Requests for withdrawal must be received by the program office at least three weeks prior to the last day of the term. Program offices will publish specific withdrawal deadline dates for each term (see Academic Calendar on page ii of the catalog). Withdrawals sent by email must be sent from the student’s assigned NSU email account. Requests for withdrawal received after 11:59 p.m. est on the withdrawal deadline date will not be accepted. Failure to attend classes or participate in course activities will not automatically drop or withdraw a student from the class or the university. Students who have not withdrawn by the withdrawal deadline will receive letter grades that reflect their performance in the course(s). When a withdrawal request is approved, the transcript will show a grade of W (*Withdrawn*) for the course. Students with a history of withdrawals risk dismissal. Depending on the date of withdrawal, the student may be eligible for a partial refund. For a complete list of withdrawal deadline dates, please see the academic calendars located at:

http://www.scis.nova.edu/NSS/pdf_documents/AcadCal.pdf

6. Other Course Specific Rules

Please ensure that your name, scis usercode, and phone number are available on each assignment handed in. This information must also appear on all e-mail messages and attached documents, as well.

Unless otherwise specified, please use the ESET system to submit all your assignments. Even if you do not use ESET to submit your assignment (i.e., web page) send a note via the ESET system informing me of the URL at which you have posted the assignment.

You are responsible for ensuring that the file is readable and free of virus.

Your final grades will be based on all the material that I receive by the last day of the term.

Acknowledgements:
This course and syllabus are based on the course originally developed by Dr. E. Nyshadham.