

FD'01



CIS 480: E-Business Programming Syllabus

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Course Description

Introduction to concepts and application programming associated with e-business. Includes study of e-business models; monetary transactions; computer network security; review of HTML, VBScript, SQL, & ASP. ASP programming projects for applications such as shopping cart and online auction.

Course Objectives

The objectives of this course include the following:

- . To become familiar with the basic e-business models
- . To learn how monetary transaction are accomplished online
- . To learn the importance of network security for online business processing
- . To learn how server-side and client-side scripting interact in the design of Web applications
- . To integrate HTML, VBScript, SQL and ASP in e-business applications
- . To learn to cooperate with team members in developing application programs

Text Book

E-Business & E-Commerce How to Program , by
Harvey M. Deitel, Paul J. Deitel, T.R. Nieto.
Prentice Hall, 2001. ISBN: 013028419X

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Requirements

This is a directed-study course, in which a greater responsibility for achieving the course objectives is placed on you--more than in a regular class. The class will meet officially with the instructor once a week, for discussions, explanations, demonstrations, and other purposes. See the [schedule](#) for meeting dates.

It is important that you establish your own schedule and stick with it in order that you can stay on top of the reading and programming assignments. During the term you are required read the textbook, answer questions, complete programs, and upload your solutions on a Web server at regular intervals, so that the

instructor will have a chance to see your progress them.

Two of the programming problems towards the latter part of the course are projects that should be completed by a team, so that you will have the opportunity to cooperate with other people on a common undertaking. You will be asked to evaluate the contribution of each team member in the projects.

There will be a final exam at the end of the semester, based on the questions and problems described in the reading and programming assignments.

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Exercises

At the end of each chapter in your textbook there are two sets of exercises:

- . Self-Exercises--short questions testing your understanding of terminologies and concepts. Answers to these questions are available in your textbook. In your submissions, write the complete questions along with their answers.
- . Exercises--longer questions requiring more elaborate answers or programming projects. Use complete sentences so that your answers include, at least implicitly, the sense of the original question.

The *CIS480 Schedule* page indicates when each of these exercises is due. Exercises should be completed and uploaded as HTML files to the Web server, so that they can be viewed by the instructor using a browser. You will be instructed to follow a particular procedure for linking your answer pages and the upload to specific directories on the server.* (It would be easier to construct Web pages using a development software like FrontPage.)

These answers to the questions will be available to you during the final exam. So, it pays to answer the questions them carefully before you upload the answers to the server.

* In submitting exercise answers follow these protocols:

1. Each student will have a subdirectory with his or her initial on the server under acad.chaminade.edu/cis/. For example, if you name is Roger Smith, your home directory on the server will be: acad.chaminade.edu/cis/rs/.
2. Create a subdirectory named *exer* in your home directory. For example, Roger Smith will have: acad.chaminade.edu/cis/rs/exer/.
3. Copy a file named *exercises.htm* into your *exer* subdirectory.
4. Each time you complete an exercise page, provide a link to it from the *exercises.htm* page. Upload both the *exercises.htm* and answer pages to the server and test all links.

Grading

The semester grade will be based on the following elements of your course responsibilities: (Points in various categories and total points are subject to change.)

Presentations	50 x 2 =	100
Exercises	20 x 8 =	160
Projects	60 x 2 =	120
Finals	50 =	100
Total		480

The following guidelines will be used in determining the final grades.

A: ≥ 90 ; B: ≥ 80 ; C: ≥ 70 ; D: ≥ 60 ; F: < 60

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Office Hours

For "quick" questions the email is the simplest way to contact me. Feel free to drop in at my office during office hours or to set up an appointments outside those hours. (I am around my office usually in the afternoon.)

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CIS 480:
E-Business
Programming

<div> Syllabus Schedule Resources Office Hrs Home </div>						
Wk #	Wk of	Ch	Readings	Self-Review Exercises	Exercises	Remarks
2	9/3	3	e-Business Model	<ul style="list-style-type: none"> 3.1 a - j 3.2 a - j 	<ul style="list-style-type: none"> 3.4 	
3	9/10	4	Internet Marketing	<ul style="list-style-type: none"> 4.1 a - j 4.2 a - j 	<ul style="list-style-type: none"> 4.3 4.5* 	
4	9/17	5	Online Monetary Transactions	5.1 a - k 5.2 a - k	<ul style="list-style-type: none"> 5.6 5.8 (diagram) 5.10* 	<ul style="list-style-type: none"> Pres. I: e-Business Models (Ch. 3)
5	9/24	6	Legal, Ethical, & Social issues; Internet Taxation	<ul style="list-style-type: none"> 6.1 a - j 6.2 a - j 	<ul style="list-style-type: none"> 6.5 Discuss the mechanism, advantages, & disadvantages of cookies 	<ul style="list-style-type: none"> Pres II: Internet Marketing (Ch. 4)
6	10/1	7	Computer Network Security	<ul style="list-style-type: none"> 7.1 a - k 7.2 a - j 	<ul style="list-style-type: none"> 7.3 7.5, 7.7 7.9* 7.12 7.14 	Pres III: Online Monetary Transactions (Ch. 5)
		9	(Optional) Introduction to HTML 4			Covers formatting, images, & hyperlinks
		10	(Optional) Intermediate HTML 4			Covers list, tables, forms, image maps, frames
		11	(Optional) Ultimate Paint			Describes how to use Magalux's Ultimate Paint (www.ultimatepaint.com) for manipulating images. Freeware version is available in the e-Commerce CD-ROM
		12	(Optional) Introduction to MS FrontPage Express,			Introduction to a simple Web page development tool available on the e-Commerce CD-ROM

		13 (Extra Credit) JavaScript/Script: Introduction to Scripting	<ul style="list-style-type: none"> • 13.3 • 13.4 • 13.5 	<ul style="list-style-type: none"> • 13.8 • 13.9 • 13.6 • 13.27 	
		14 (Extra Credit) JavaScript/Script: Introduction to Scripting	<ul style="list-style-type: none"> • 14.3 • 14.4 	<ul style="list-style-type: none"> • 14.12 	Embed this a short HTML page.
		5 (Extra Credit) JavaScript/Script	<ul style="list-style-type: none"> • 15.2 	<ul style="list-style-type: none"> • 15.7 • 15.9 	Embed these is a short HTML page.
		16 (Extra Credit) JavaScript Functions	<ul style="list-style-type: none"> • 16.6 	<ul style="list-style-type: none"> • 16.7 	Embed these in a short HTML
7	10/18	19 Dynamic HTML: Cascading Style Sheet (CSS)	19.2 a-j	19.3 • 19.7 19.8	You can embed the three rules in a single HTML page. Le., the three problems can be linked to the same page.

10/15 24 Dynamic HTML:
Client-Side
Scripting with VB
Script

24.1
a-f
24.2
a-f
24.3
24.4
a-f

9 10/22

24.5
(compound
interest)
24.9 (letter
pyramid)
24.14

10 10/29 25 Active Server
Pages

- 25.1
- a - j
- 25.2
- a - j

11 11/5

25.3
25.5'
25.8

Read p. 778 for hints on how to -'

store asp file on your
computer
invoke asp file on the
PWS
set up Data Source
Name (DNS)

12	11/12	26	Case Studies	<ul style="list-style-type: none"> • 26.1 • 26.2 • 26.3 • 26.4 	Pres. IV: Shopping Cart (Ch. 26)
13	11/19			<ul style="list-style-type: none"> • 	Ch. 26)
14	11/26				Pres. VI: Comparison Pricing Search Engine (Ch. 26)
15	11/3			<ul style="list-style-type: none"> • 26.6 (Modify Shopping Cart) • 26.8 (Modify itemdata.asp) 	<p>Follow the directions in the textbook set up and run the</p> <p>Copy the Catalog.mdb to the following directory. c:\inetpub\wwwroot\cis\ecom\</p> <p>Copy the Includes and Images folders to the same directory. After copying, you should have</p> <p><u>c:\inetpub\wwwroot\cis\ecom\Includes\</u> and <u>c:\inetpub\wwwroot\cis\ecom\images\</u></p>
16	12/13		Final Exam:		