



Undergraduate Course Syllabus

IT 370: Web Server Design

Center: Online

Course Prerequisites

IT 270 and IT 330

Course Description

This course is a follow-up to IT 270 and extends the concept of interactive Web pages to the server. Building on the students' knowledge of Web page elements and Visual Basic, this course introduces Active Server Pages (ASP) as the vehicle for manipulating and creating content from a Web server. The course progresses through the fundamentals of client-server interaction to e-commerce considerations, XML, and database connection/manipulation from a Web server using SQL, the Structured Query Language, for relational databases. Offered as needed.

Course Outcomes

- To understand the advantages of server-centric web sites.
- Ability to create server based databases.
- Ability to access server based databases from remote clients.
- Ability to design web sites that can interact with server-side databases.
- Create a database driven web site

Required Materials

Software Required: [WampServer](#)

This course requires the use of the SNHU VDI (virtual desktop) environment. Directions to access the VDI are available here: [VDI Instructions](#).

Instructor Availability and Response Time

Your class interaction with the instructor and your classmates will take place in Blackboard on a regular, ongoing basis. Your instructor will be actively engaged within the course throughout the week. You will normally communicate with your instructor in the weekly discussions or the General Questions forum in Blackboard so that your questions and the instructor's answers benefit the entire class. You should feel free, however, to communicate with your instructor via SNHU email at any time, particularly when you want to discuss something of a personal or sensitive nature. Your instructor will generally provide a response within 24 hours.

Grade Distribution

Assignment Category	Number of Graded Items	Point Value per Item	Total Points
Discussions	15	10	150
Homework (Scripts)	6	60	360
Short Paper	1	140	140
Final Project	1	350	350
		Total Course Points:	1,000

This course may also contain practice activities. The purpose of these non-graded activities is to assist you in mastering the learning outcomes in the graded activity items listed above.

University Grading System: Undergraduate

<i>Total Points: 1,000</i>				
<u>Grade</u>	<u>Numerical Equivalent</u>	<u>Points</u>	<u>Points Equivalent</u>	
			<i>Lower</i>	<i>Upper</i>
A	93-100	4	930	1000
A-	90-92	3.67	900	929
B+	87-89	3.33	870	899
B	83-86	3	830	869
B-	80-82	2.67	800	829
C+	77-79	2.33	770	799
C	73-76	2	730	769
C-	70-72	1.67	700	729
D+	67-69	1.33	670	699
D	60-66	1	600	669
F	0-59	0	0	599
I	Incomplete			
IF	Incomplete/Failure*			
IP	In Progress (past end of term)			
W	Withdrawn			

*Please refer to the [policy page](#) for information on the incomplete grade process.

Grading Guides

Specific activity directions, grading guides, posting requirements, and additional deadlines can be found in the Course Information area in the Assignment Guidelines and Rubrics folder.

Weekly Assignment Schedule

The Learning Modules area in Blackboard contains one module folder for each week of the course. All reading and assignment information can be found in the folders. Assignments and discussion board posts during the first week of each term are due by 11:59 p.m. Eastern Time. Assignments and discussion posts for the remainder of the term are due by 11:59 p.m. of the student's local time zone.

In addition to the textbook readings that are listed, there may be additional required resources within each module in Blackboard.

Module	Topics and Assignments
1	<p>Introduction to PHP and Server-Centric Websites</p> <p>1-1 Discussion: PHP Variable Naming</p> <p>1-2 Discussion: Logical Operators</p> <p>1-3 Homework: Script Showing Name</p> <p>1-4 Final Project: Review Final Project Document</p>
2	<p>PHP Functions and Control Structures</p> <p>2-1 Discussion: Conditional Statements</p> <p>2-2 Discussion: Looping Statements</p> <p>2-3 Homework: Module Two Homework</p> <p>2-4 Final Project: Final Project Milestone One: Website Content</p>
3	<p>Introduction to Relational Databases and MySQL</p> <p>3-1 Discussion: Redundancy</p> <p>3-2 Discussion: Structured Query Language</p> <p>3-3 Short Paper: Database Design and Planning</p> <p>3-4 Final Project: Final Project Milestone Two: Create a Database in MySQL</p>
4	<p>Working with Strings and User Input</p> <p>4-1 Discussion: Post Method and Get Method</p> <p>4-2 Discussion: Validating Form Data</p> <p>4-3 Homework: Module Four Homework</p> <p>4-4 Final Project: Final Project Milestone Three: Website Form Handling</p>
5	<p>Working with Directories and Files</p> <p>5-1 Discussion: Writing to Files</p> <p>5-2 Discussion: Accessing Data in Files</p> <p>5-3 Homework: Module Five Homework</p> <p>5-4 Final Project: Final Project Milestone Four: Supplier Data</p>
6	<p>Arrays</p> <p>6-1 Discussion: Array Usage</p> <p>6-2 Discussion: Manipulating an Array</p> <p>6-3 Homework: Arrays</p> <p>6-4 Final Project: Final Project Milestone Five: List the Data on a Web Page Using an Array</p>
7	<p>Managing State between Web Pages in PHP</p> <p>7-1 Discussion: Various Methods of Maintaining State on a Website</p> <p>7-2 Discussion: Cookies</p> <p>7-3 Homework: Maintaining State</p> <p>7-4 Final Project: Final Project Milestone Six: Maintaining State between Web Pages</p> <p>7-5 Final Project: Final Project Milestone Seven: Completed Website</p>
8	<p>PHP Final Thoughts</p> <p>8-1 Discussion: Learning Objectives</p>

Attendance Policy

Online students are required to post to the Blackboard discussion board during the first week of class. If a student does not submit a posting to the discussion board during the first week of class, the student is automatically withdrawn from the course for non-participation. Review the [full attendance policy](#).

Late Assignments Policy

Meeting assigned due dates is critical for demonstrating progress and ensuring appropriate time for instructor feedback on assignments. Students are expected to submit their assignments on or before the due date. Review the [full late assignment policy](#).

SNHU College of Online and Continuing Education Guide to Student Success

Review the [guide to student success](#).

Diversity and Disability Statement

The College of Online and Continuing Education (COCE) at SNHU values diversity and inclusion. SNHU strives to create inclusive and welcoming academic environments. If there are aspects of the instruction or design of this course that present barriers to your inclusion, please notify the Disability Resource Center (DRC) as soon as possible. We will work with you and your instructor to address needs and concerns. We encourage all students with known or suspected physical, medical, sensory, psychiatric, and/or learning disabilities to register with the Disability Resource Center (DRC) in order to assess learning needs and take advantage of available academic accommodations and support services.

SNHU does not discriminate on the basis of race, color, national origin, sex, disability, age, religion, citizenship, marital status, gender identity or expression, sexual orientation, veteran/military status, or genetic information in its programs and activities. Requests for disabilities accommodations within COCE should be directed to:

Disability Resource Center (DRC)

(866) 305-9430

(877) 520-8916 (fax)

drc@snhu.edu

We welcome COCE students, faculty, and staff to consult with the Disability Resource Center (DRC) on disability-related questions or concerns. We look forward to hearing from you.

Complaints regarding discrimination and accommodations should be directed to:

(603) 645-9664

(603) 645-9717 (fax)

adacompliance@snhu.edu

Academic Honesty Policy

Southern New Hampshire University requires all students to adhere to high standards of integrity in their academic work. Activities such as plagiarism and cheating are not condoned by the university. Review the [full academic honesty policy](#).

Copyright Policy

Southern New Hampshire University abides by the provisions of United States Copyright Act (Title 17 of the United States Code). Any person who infringes the copyright law is liable. Review the [full copyright policy](#).

SNHU College of Online and Continuing Education Withdrawal Policy

Review the [full withdrawal policy](#).

Southern New Hampshire University Policies

More information about SNHU policies can be found on the [policy page](#).