

## DePaul University - School Of New Learning

### Syllabus For SW 202 Web Page Design and Development- Spring 2009

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#### ***Instructor:***

David A. Lash has over 25 years of Information Technology experience with AT&T, General Electric, IBM, and Lucent Technologies. He is currently a Distinguished Member Of Technical Staff at Lucent Technologies. He holds a Master's degree (Univ. Of Waterloo, Ontario, Canada) and Bachelor's degree (Southern Illinois University) in Computer Science and has completed Ph.D. course work (but not dissertation) at IIT. He is the author of *Web Wizards Guide to CGI/Perl* and *Web Wizard's guide to PHP* (published by Addison Wesley). He has instructed undergraduate and graduate level courses in Computer Science at Aurora University, College Of DuPage, IIT, DePaul University, and Wabonsee Community College.

#### ***Course Objective:***

This is an introductory course to the tools and methods for creating effective web sites. Students will learn the fundamentals of HTML, forms, image creation and editing, and scripting using PHP. Students will create a series of labs and create a functional web site by the end of the course. In addition to these practical skills, the course will also discuss the effective design practices for a successful web site.

***Method Of Instruction:*** This course is lecture/discussion and lab oriented.

#### ***Course Prerequisites :***

- Experience with Windows, ability to use a word processor, and the capability to move, copy, and delete files.
- It is recommended that the learner successfully complete *Exploring the Internet* (SNL 298) (or have equivalent experience) before taking this class. All students are expected to understand how to use the following Internet services (covered in *Exploring the Internet*):
  1. general computer skills such as Word, and working with files
  2. *e-mail* on [students.depaul.edu](mailto:students.depaul.edu),
  3. *Web browsing and Searching*, and
  4. *ftp* to transfer files to a server machine.

5. Students must have a functioning student account on the student server, *students.depaul.edu*. Homework and labs will begin on the first week of class and a functioning student account is required to complete these. All students are provided with the option of a DePaul Online account. Students with other Internet service providers and/or e-mail access do not have to use DePaul Online, but you **MUST** use your *students.depaul.edu* account for the assignments.

This course requires the use of a computer to complete all assignments and the major project. If you do not have the appropriate facilities at home, be prepared to spend time at one of the DePaul computer labs in order to complete your assignments and major project. The computer labs are very busy during mid-term and toward the end of the quarter, so plan accordingly. Not being able to spend time in the computer lab will not excuse you from assignments nor will it be accepted as an excuse for late assignments.

1. **Students MUST have a functioning email account by the second meeting of class as well as access to the Internet.** Students can access the Internet via DePaul Online (\$25/quarter or \$90/year) or use any other public Internet Service Provider. However, skills taught and exams will be based upon the facilities available at the DePaul Labs.

*Course Materials :*

**Sams Teach Yourself HTML and XHTML in 24 Hours (7th Edition)**  
**(Paperback) Dick Oliver. Sams Publishing. 2005.** (Required) . ISBN: 0672328410

**Web Wizard's Guide to PHP. (Paperback) David A. Lash. Addison Wesley. 2002.** (Required) ISBN-10: 0321121740

*Grading:*

- Homework - **30%**
- Midterm Test - **20%**
- Major project - **50%**

**Homework:** All homework must be published on your student account. All homework assignments are due on date posted on class website. Late homework will be penalized.

**Tests:** Will be given in class and will be collected during the same class session.

**Major project:** Evidence of the major project will be the URL of the site you have created and your summary report on the development of the site.

**Academic Integrity:** All class participants are expected to be familiar and comply with the DePaul University policy on academic integrity.

**Assessment:** All work is evaluated against the following two criteria:

1. How well it reflects work at the college level, and

2. How well it satisfies the competency for which you have enrolled.

**Course work:** The homework will be designed to review the material used in class and provide a chance for hands-on application of the concepts. The final exam will be a larger assignment designed to review material throughout the course and provide opportunity for demonstrating application of the material. A final project will be a web site.

**Grading Scale:**

- 93-100 A
- 90-92 A-
- 87-89 B+
- 83-86 B
- 80-82 B-
- 77-79 C+
- 73 -76 C
- 70-73 C-
- 67-69 D+
- 63-66 D-

**Course work**

Course work will be a series of homework assignments that work with basic webpage development and design. There will be a required final project where students create a web site.

## ***Competencies***

- ***WW/FX*** - *Can develop a web site as a tool to solve a business problem.* The major project must solve a specific business problem. How the site addresses the business problem must be discussed in the summary report. Examples of sites that would satisfy this competence are a web site that explains the purpose, functions, and services of a business or a web site that provides internal information for company employees.
- ***SID*** - *Can understand general computing principles and solve problems using computer based applications within workstation and/or PC platforms.* The major project must solve a specific problem via an application program. How the site addresses the problem must be discussed in the summary report. Examples of sites that would satisfy this competence are a web site that performs mortgage payment calculations or a web site that provides a tutorial on creating web pages
- ***PWF/SIX*** - *Can use and adapt Internet technologies to create an interactive information resource.* The major project must function as an informational resource. How the site does this must be discussed in the summary report. An example of a site that would satisfy this competence is a web site that provides significant informational resources about a given topic.
- ***ALB/A2C*** - *Can employ principles of design to enhance functions and aesthetics of objects or environments.* The site must address an issue in design or aesthetics. How the site does this must be discussed in the summary report. An example of a site that would satisfy this competence is a web site that uses extensive graphics and other design techniques to enhance the visual and intellectual appeal of the site.

## ***Additional Support:***

- ***Writing Centers:*** The DePaul University Writing Centers provides tutors to help you with the preparation of your major project paper. Call 312.362.6726 for an appointment at the Loop Campus or 773.325.7000 extension 1805 for an appointment at the Lincoln Park Campus.
- ***Computer Labs:*** Computer labs are available at all DePaul campuses. In the Loop, the lab is located in Lewis Center in room 1420. At Lincoln Park, the lab is located in the Schmidt Academic Center (SAC) in room 238. At O'Hare the computer lab is next to the Library. At Naperville, the computer lab is to the right of the front desk at the entrance. At South and Lake County, ask at the front desk for directions.