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## INFO 374 World Wide Web Fundamentals

Gerald Braun

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## World Wide Web Fundamentals

### INFO374

### Fall, 2001

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Office: 612 Schott Hall Office Hours

Required Texts:

*HTML for the World Wide Web, 4th Ed.*, Elizabeth Castro, PeachPit Press, 2000.

*Poor Richard's Web Site*, Peter Kent, Top Floor Publishing, 2000.

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### Course Description

The course will consist of lectures, demonstrations, and hands-on experience for using Internet and World Wide Web services and tools, with emphasis on web page and site development.

Lab activities will include hands-on browsing, searching, and page development. Students are required to publish a personal Web site on the academic VAX computer.

The first 12 weeks of the course will be standard for all students, and will include instruction in the use of Netscape Communicator to access Web resources and to develop a personal page. The last five weeks will allow students to diversify with more advanced topics according to each student's particular need or aspiration.

### Objectives:

Students will learn to:

- Use the Netscape browser for browsing the Web
- Use various search tools and techniques to efficiently search the Web
- Design quality Web pages
- Design efficient and effective Web sites
- Write basic HTML code
- Interpret advanced HTML code
- Use advanced tools and techniques including multimedia, scripts, forms, etc.
- Use Web development software (Netscape Composer)
- Evaluate options for service providers and publishing
- Be aware of ethical, security, and other issues for doing business on the Web (including intranets, extranets, an electronic commerce (E-Commerce))
- Use other tools such as telnet, ftp, etc., to access resources on the Internet

- Explore an advanced topic in one or more of the following areas:
  - Professional Site Development
  - Advanced Research Techniques
  - Java Programming
  - Scripts (CGI, JavaScript, VBScript, etc.)
  - Commerce and Marketing on the Web

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## **Class Participation**

Adequate participation in classroom and laboratory activities (including out-of-class) is essential. You may participate by asking questions, raising issues, providing information, or by many other means. Participation is not synonymous with verbosity and assertiveness. Active listening is valuable to meaningful discussion. Allow others to participate. Class participation is absolutely necessary and will be graded as such.

3 X 5 cards will be used to encourage participation. (They must be 3 X 5 -- no other size cards, paper, etc.) You must bring a card with you for each session. The card will include your name, course code (INFO374 in this case), and date at the top. On the front of the card, list the three principle things which you learned during the session. (Be specific.) You may use the back of the card for a comment, question, etc. concerning class material. Questions should relate to current or prior sessions, rather than material to be covered later.

Cards will be used primarily as a feedback mechanism. Comments, questions, etc. will be addressed at the beginning of the following session. They will also be used for attendance and as part of your participation grade. Failure to fill out cards properly could have a negative impact on your participation grade.

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## **Attendance Policy**

Regular attendance is expected from all students. Unexcused absences will be reflected in your participation grade. More than 1 unexcused absence will result in a grade of 0 for participation.

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## **Assignments**

Various assignments will be given throughout the term. Keep posted to the [assignment page](#) for details.

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## **Projects**

### *Personal Web Site Development*

All students will design and develop a personal home site to be published on the Xavier VAX computer. Projects will be graded on adherence to guidelines presented in class, along with creativity and suitability to task.

### *Final Project*

Projects will be assigned to individual teams according to the nature of the advanced assignment material. Projects will be presented at the final exam session.

Keep posted to the Message Board for more details on these projects.

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## **Exams**

Two exams will be given during the first 12 weeks of the course. Questions will include true/false, multiple choice, and short answer, along with in-class lab assignments to demonstrate mastery of the process..

## **Grading**

Exams: 30 points each (60 total points)

Personal Page: 15 points

Final Project: 15 points

Assignments & Participation: 10 points

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# INFO374

## Fall, 2001

### Tentative Agenda

- Week 1** (Aug. 28/30) Castro Introduction  
Class Introduction, Course Overview, and History & Trends
- Week 2** (Sep. 4/6) Kent Ch. 2-5  
Accessing the Internet (Concepts & Terminology)  
Using Netscape Composer  
Publishing a simple site
- Week 3** (Sep. 11/13) Castro Ch. 1, Kent Ch. 7-8  
Basic HTML Coding  
Work on Personal Site
- Week 4** (Sep. 18/20) Castro Ch. 2-5, Kent Ch. 6, 9 & Web Resource Page  
Designing and Developing Effective Web Sites  
Work on Personal Site
- Week 5** (Sep. 25/27) Castro Ch. 6-8, Kent Ch. 10  
Designing and Developing Effective Web Sites  
Work on Personal Site
- Week 6** (Oct. 2)  
Review for Exam
- Week 7** (Oct. 9/11)  
Exam #1  
Work on Personal Site
- Week 8** (Oct. 16/18) Castro Ch. 9  
Advanced HTML Features: Tables, Frames, Forms, Images, Sound, Scripts, etc.  
Building tables with HTML (Project)  
Work on Personal Pages
- Week 9** (Oct. 23/25) Castro Ch. 10-11, Kent Ch. 11 & Web Resource Page  
Advanced HTML Features: Tables, Frames, Forms, Images, Sound, Scripts, etc.  
Building frames with HTML (Project)  
Work on Personal Pages
- Week 10** (Oct. 30/Nov. 1) Castro Ch. 12, 17-18  
Extending the Web Interface: Multimedia Plugins & Helpers  
Set up Team Projects
- Week 11** (Nov. 6/8) Kent Ch. 17-21  
Doing Business on the Web: E-Commerce, Intranets and Extranets  
Personal Page Presentations
- Week 12** (Nov. 13/15)  
So You Wanna Be a Web Master!  
Review for Exam

**Weeks 13 (Nov. 20)**

**Exam #2**

**Weeks 14-16 (Nov. 25/Dec. 13)**

**Work on Team Projects**

**Week 17 (Dec. 18)**

**Project Presentations**