

## COMP 322 Internet Systems (3 credit hours) Fall 2009

132 McNair, MWF 11:00-11:50

**Dr. Albert Esterline**

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Office Hours: MWF: 10:00-11:00, 1:00-3:00; TR: 1:00-3:00; and by arrangement

There is no required text. Class notes, available on the class Blackboard page, are required reading.

### *Suggested reading:*

L. Welling and L. Thomson, *PHP and MySQL Web Development*, 3<sup>rd</sup> ed., Sams, 2005. Th 4<sup>th</sup> edition is due in Oct. 2008.

*Description:* This course introduces students to the Internet and the World Wide Web. Topics include HTML, CSS, and client- and server-side scripting (the JavaScript and PHP languages).

### *Grading*

*Programming Assignments:* 30 % of the course grade

*3 Quizzes:* 12% of the course grade (divided evenly)

These will be brief, c. 20 min., and will test your grasp of the fundamentals just covered.

*2 Exams:* 30 % of the course grade (divided evenly)

*Final:* 28 % of the course grade

### *Exam Policies*

Exams and quizzes are generally open-book. Make-up exams will be allowed only if you arrange with me before the exam.

### *Late Submission of Assignments*

10% per class period will be deducted for assignments submitted after they are due.

### *Grade Ranges*

A: 85-100% B: 73-84% C: 60-72% D: 50-59% F: 0-49%

### **Measurable Outcomes**

- Code HTML, CSS, JavaScript and PHP.
- Use the document object model (DOM) for HTML, server-side scripting, and ODBC.
- Understand client-server computing in a Web context as well as the HTTP protocol.

On completing this course, the student should be able to produce professional Web pages and basic Web sites. The course does not cover Web design from an aesthetic or ergonomic angle, systems that facilitate Web site construction, or languages that simplify server-side scripting. The focus is on standards and scripting languages.

**Cheating:** Cheating covers any case in which a student has received unauthorized aid in his/her performance that contributes to a course grade or submits material contributing to a course grade with the intent to deceive the instructor or grader. If the unauthorized aid includes help from another student, then that student is considered to have cheated as well.

If a student cheats on lab work or a homework assignment, then he/she will receive a grade of zero (a grade of F) for that item as will anyone assisting him/her in an unauthorized way. If a student cheats on an exam or final, he/she will receive a failing grade for the class. All cases of cheating will be reported to the Director of Undergraduate Studies. When a student cheats for the second or more time in any Computer Science class, he/she will receive an F in the class in which the most recent case occurred and will be referred to the University authorities for disciplinary action.

**COMP 322 Internet Systems Fall 2008 Schedule of Topics**

<b>Week</b>	<b>Dates</b>	<b>Topics (Parts of Course Notes)</b>
1	Aug. 17, 19, 21	Introduction, HTML (1-3)
2	Aug. 24,26,28	Cascading Style Sheets (CSS) (4), JavaScript (5)
3	Aug. 31, Sept. 2, 4	JavaScript (6-7)
4	Sept. 9, 11	JavaScript (8-11) <b>Monday, Sept. 7 is Labor Day</b>
5	Sept. 14, 16, 18	JavaScript Regular Expressions (12)
6	Sept. 21, 23, 25	Document Object Model (DOM): (13)
7	Sept. 28, 30, Oct. 2	Forms (14), HTTP (15)
8	Oct. 5, 7, 7	Introduction to PHP and Server-side Scripting (16-18, App. A)
9	Oct 12, 14, 16	PHP Arrays (19)
10	Oct. 21, 23	PHP Code-reuse and functions (20) <b>Fall break: Oct. 19-20</b>
11	Oct. 26, 28, 30	Object-oriented PHP (21)
12	Nov. 2, 4, 6	Database programming with MySQL (Appendix B)
13	Nov. 9, 11, 13	Server-side scripting with database access (22)
14	Nov. 16, 18, 20	Topics
15	Nov. 23	Catch up <b>Thanksgiving: Nov. 25-27</b>
16	Nov. 30, Dec. 2, 4	Catch up

**Schedule of Quizzes and Exams**

Quiz 1	Friday, Sept. 4
Quiz 2	Friday, Sept. 25
Exam 1	Friday, Oct. 9
Quiz 3	Friday, Oct. 30
Exam 2	Monday, Nov. 23
Final	Thursday, Dec. 10, 8:00–10:00