

ATEC 4361

Section 001

Mondays, 7-9:45 pm

ATEC 1.606

Spring 2013

Internet Studio II

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Office hours Wednesdays, 3-5:30 p.m. in ATEC 1.612

This new course will focus on exploring advanced web technologies including HTML5, CSS3, the Document Object Module (DOM) and JavaScript and other web technologies. You will have the opportunity to find your niche in the vast arena of web development.

Coursework

Your coursework will consist of:

- **Weekly web publishing assignments**
- **Reading assignments**
- **In-class technology research presentation** to learn
- **Build a Personal Inventory** to help identify personal strengths

Learning Outcomes

Upon completion of this course, you will be able to meet the following learning outcomes:



Build a database-driven website using PHP and MySQL



Create dynamic interactions using jQuery and JavaScript



Critique web designs based on design principles rather than feelings or hunches

What I Expect of You

- Attend all classes*
- Complete all assignments on time**
- Actively participate to the class, especially in sharing discoveries with one another

Grading

You will be evaluated on:

- **30%** — **Attendance** (only one unexcused absence allowed throughout the semester) and **participation**, (actively discussing, asking questions)
- **30%** — **Weekly assignments**,
- **10%** — Completion of your **personal inventory**, and
- **30%** — Completion of your **final project**.

Assignments will be discussed throughout the course, with specific requirements spelled out.

Classroom Conduct

- Students are to focus their attention on the subjects at hand in the classroom, i.e., lectures, presentations, discussions, and set aside all other activities.
- All open communication (talking) should be relevant to the subject at hand and have value to the class as a whole.
- Competitiveness between students will be friendly and encouraging at all times.
- All other rules of behavior will be discussed and agreed to by the class on the first day.

Course Schedule

Jan 15-22 Intro and review
2 weeks Introductions, syllabus, overview, goals, expectations, supplies, etc.
Review foundations of HTML and CSS

Jan 29-Feb 19 PHP and MySQL Database
4 weeks
Week 1 Intro to MySQL
Week 2 Intro to PHP
Week 3 Building a Content Management System
Week 4 Building a Content Management System

Feb 26-Mar 26 JavaScript and jQuery
4 weeks
Week 1 Falling in Love with jQuery
Week 2 Enhancing, Animating, Scrolling
Week 3 Scroll-o-Rama
Week 4 Scroll-o-Rama

Apr 2-23 Killer Web and Mobile Design
4 weeks
Week 1 Never Let Me Go: Design Principles
Week 2 Mobile First: 320 and up
Week 3 Audience First: User-Centered Design
Week 4 Audience First: User-Centered Design

April 30 Project Presentations
1 week

Research Presentations 20 Points

Ben Franklin once said, "Tell me and I forget. Teach me and I remember. Involve me and I learn." The things you teach yourself are often the things that you remember the best. You will select a topic and research a minimum of 10 different source materials (web sites, magazines, books, etc.) and provide two examples of use. Students must understand the content and present it to the class.

Personal Inventory 10 points

A personal inventory is a visual map of personal skills, knowledge and experiences. This right-brain process allows you to discover unique things about yourself that are useful in your job hunt.

Final Project 30 points

You will develop a website that fills a need for a target audience that incorporates some of the techniques and tools discussed throughout the course.

Grading Scale

A	91-100	Excellent
B	81-90	Above Average
C	71-80	Average
D	61-70	Poor
F	00-60	Failing

Grading Weights

30 Points	Assignments (13 at 2.3 points each)
10 Points	Attendance (15 at .6 points each)*
10 Points	Personal Inventory
20 Points	Research Presentation
30 Points	Final Project and presentation

***Attendance and Tardy Policy** – Attendance is mandatory. Not attending not only leave holes in understanding of the lesson contents but also degrade the benefit to other students in regard to discussions and work sessions. Coming to class late or leaving early will also be counted as absences without prior approval from the instructor. Use of classroom computer(s) or personal laptops during class for any use other than to take notes will result in docked attendance points.