

IS550 – Advanced Web Development

Michael E. Ruth, Ph.D.

Office: Megerle Science Bldg, Room 115

Office Hours: T/Th 11:20-12:50 AM

W/F 2:00- 4:00 PM

Or By Appointment

Phone: (718) 420-4034

Email: michael.ruth@wagner.edu

AIM: michaelruthphd

Web: Wagner Moodle

Course Description:

This course is designed to provide students with a broad overview of the electronic commerce environment and key issues involved in its implementation. Students are going to learn how to build the front-end, middleware, and back-end components that drive electronic commerce.

Course Objectives:

- Develop an understanding of Web development using PHP including lifecycle issues, variables, control structures, functions, arrays, strings, code organization and reuse.
- Discuss leveraging databases to create data-driven Web sites, specifically using MySQL.
- Discuss Web development design issues including user interface design, business logic, tiered architectures, user and session management, performance, and stability.
- Explain Web development security concepts such as authentication and secure software.
- Discuss Web development implementation issues such as error handling, data validation, temporal information, LDAP, and deployment.
- Demonstrate proficiency in developing data-driven Web sites using PHP and MySQL using the design, security, and implementation principles presented throughout.

Textbook:

Core Web Application Development with PHP and MySQL

Marc Wandschneider

ISBN: 978-0131867161

Grading Policy:

- Midterm (20%)
- Final Exam (30%) – **Thursday, 5/7/09**
- Homework/Class Participation (50%)

Grading Scale:

Letter grades will be determined by the following scale:

Average	Grade
93 - 100	A
90 - 92	A-
87 - 89	B+
83 - 86	B
80 - 82	B-
77 - 79	C+
73 - 76	C
70 - 72	C-
67 - 69	D+
60 - 66	D
< 60	F

Course Policies:

- You are expected (and strongly encouraged) to attend and participate in all lectures. However, your attendance (physical presence) is not a formal requirement and, therefore:
 - ***You are responsible*** for all material covered including all lectures, handouts, and announcements given via email, during class, or on the course web page
 - ***There will be no make-up examinations.***
 - *If an exam is missed due to an emergency, the final will be counted twice; once as a final, and once in place of the missed exam.*
- Late homework will be graded ***late***.
- Any preceding policies may be waived at my discretion

Disabilities:

If you have a disability for which you may be requesting an accommodation, you are encouraged to contact both your instructor and the Academic Advisement Center in the Union Building at (718) 390-3278 as early as possible in the term.

Academic Honesty:

The Wagner College faculty and student body take seriously the academic integrity of this institution. The Academic Honesty Committee (AHC), comprised of both faculty and student representatives, hears cases of academic dishonesty. If a professor is concerned that a student has acted dishonestly with regard to his or her academic work, the professor can turn the case over to the AHC for investigation. The Student Government Association (SGA) also wrote an approved student honor code in 2007 that reflects the commitment of the student body to academic integrity. All students are expected to be aware of and abide by Wagner's guidelines for academic integrity. If you have questions about these guidelines, it is your responsibility to ask.

Etiquette:

- Come to class on time. If you do come late, quietly find a seat and take it with as little disturbance as possible. If you must leave the room – do so quietly.
- As you walk into class, kindly silence all beepers, cell phones, and any other noise-producing equipment.
- Depending on the overall punctuality and attendance patterns, I may institute stricter policies over the semester (these policies will not be retro-active).

How to succeed in this class:

- Read the assigned reading ***before and after*** the class.
- Pay attention and participate in the class discussions.
- ***Asking for permission vs Asking for forgiveness*** → ***permission*** always wins!
- ***If you don't understand something get help early!***