

IIST 535-6077: On-line Databases (3) Fall 2011

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Course time: Thursdays 7:15 PM – 10:05 PM

Class location: DR 015

Office location: 141C Draper Hall

Office hours: Thursday 1:00 PM to 6:00 PM

Or by appointment.

## **Course Description**

This course covers the application of database technology to the service of Websites. Students learn practical programming skills in a hands-on, project-based course, and acquire the ability to develop a database backend to a dynamic and feature-rich Website.

Course covers the use of programming language with PHP and the concepts of database design with MySQL. Students will learn the techniques of gathering data from users through Web forms, storing data in a database on the server, retrieving data from database, formatting and displaying the data on the browser. Solutions for practical online services such as session management and user authentication are also discussed.

Knowledge of HTML is assumed; Prior programming experience is desirable but not required. If this is your first programming course, you are expected to work really hard.

## **Expected Outcomes**

Students who successfully complete IIST 535 will have gained the following:

- An understanding of fundamental database design and creation;
- An understanding of the open source software used to create interactive data-rich websites;
- A working knowledge of databases and web spaces that utilize them.

**Textbook: PHP 6/MySQL Programming for the Absolute Beginner**

**Author: Andy Harris Publisher: Course Technology**

**ISBN-10: 1-59863-798-3 -or- ISBN-13:978-2-59863-798-4**

## Attendance/participation

Students are expected to attend all the class sessions and fully participate in the class activities. More than two unexcused absences will result in the loss of one full letter grade. If you have four or more absences, your grade will be reduced by two full letter grades.

## Assignments

Homework assignments are given in the form of hands-on exercises. Each student should complete each assignment independently and hand-in the work on time. Homework assignments will be coordinated in class and on Blackboard. If you miss a class, it is your responsibility to determine homework assignment due for the following week.

Points will be deducted for late assignments.

## Mid-term Exam

We will have an in-class open book exam on the topics covered during the first part of the semester.

## Final Exam

There is no final exam for this course; the Final Project Review is the final exam.

## Final Project

The final project will be a PROJECT that the student creates which demonstrates the use of AN ON-LINE DATABASE and related principals in the construction. Final project concepts **must be pre-approved** by instructor to receive full credit as a final project. Oral and visual presentation/demonstration of completed project will be made to the entire class on the last day of class.

## Grading

Tasks	Percentage
Assignments	30%
Midterm Exam	20%
Final Project	30%
<i>Very important:</i>	
Class Participation	20%

## **Grading Scale**

A	95-100
A-	90-94
B+	85-89
B	80-84
B-	75-79
C+	70-74
C	65-69
C-	60-64
D	50-59
E	0-49

## **Policies**

Students will not be excused from any due date of assignments, projects or exam for any reason, unless you have PRIOR approval from the Instructor.

Late assignments will receive a half letter grade reduction for each day late; while a late final project or final exam will be penalized a full letter grade for each day late.

The instructor can be reached by email, however, an immediate response is not guaranteed. Every attempt will be made to respond to emails within a 48-hour period. If students need an immediate response, please call the cell phone number listed above.

[Plagiarism](#) and cheating will result in a failing grade for the course, and will be referred to the Office of Judicial Affairs according to the policies set forth in the current University at Albany Undergraduate Bulletin or University at Albany Graduate Bulletin, whichever is appropriate to the student.

Reasonable accommodations will be provided for students with documented physical, sensory, systemic, cognitive, learning and psychiatric disabilities. If you believe you have a disability requiring accommodation in this class, please notify the Director of Disabled Student Services (Campus Center 137, 442-5490).