

# MIS 4530 – Web Application Development

## General Information

Professor:	Dr. Norman Garrett, LH 4024, phone 581-2228 Office hours: MWF 11-noon, M 6-7 pm Email: <a href="mailto:nagarrett@eiu.edu">nagarrett@eiu.edu</a>
Course:	MIS 4530, Web Application Development
Semester:	Spring, 2010
Course Website:	<a href="http://eiu.ngarrett.org">http://eiu.ngarrett.org</a>
Methods:	Lecture, discussion, small group work, interactive online activities
Class Meetings:	MWF 10:00 a.m. to 10:50 a.m., Lumpkin Hall 1040

## Course Description

Development of web-based applications, including client-side and server-side scripting languages, database interfaces, XML, web services, and design concepts.

Prerequisites: MIS 2000 (Introduction to Information Systems and Logic), MIS 3530 (Business Web Site Design), MIS 4200 (Systems and Database Analysis, Design, and Development), or permission of the department chair

## Required Texts and Materials

Gosselin, Don. *PHP Programming with MySQL*

Allen, Richard, Kai Qian, Lixin Tao, Xiang Fu. *Web Development with JavaScript and Ajax Illuminated*

TurningPoint is the EIU campus standard for student response systems. As part of this class students are required to purchase a TurningPoint keypad from the University Union Bookstore. The purpose of this keypad is to allow me to integrate responses with PowerPoint in order to do class polling, take attendance, get feedback about what is being discussed, and conduct testing. Please be sure to register your keypad when you purchase it and register your keypad in WebCT CE8. Keypads will be required beginning with the third week of class.

## Course Objectives

Upon completion of this course you should be able to:

1. Write client-side scripts
2. Write server-side scripts

3. Design and develop scripts that interface with databases
4. Design and develop three-tiered applications, including the user interface, server-side scripts, and the data-access layer.
5. Design, develop, and configure XML documents

## Online Access

We will use our course area in WebCT extensively, so you should arrange to have a computer available with Internet access. You will also need a user ID issued by Information Technology Services. In addition, we will extensively use other Internet technologies that will require daily access to the Internet. **All email correspondence with me should be conducted within WebCT.**

## Instructor and Campus Assistance

You may see me during my office hours with no appointment necessary. If you wish to see me at another time, please make an appointment by calling me at 581-2228, sending me an email in WebCT, or seeing me after class to make arrangements. Appropriate academic support is available for students with a documented disability. Please notify me and contact the Office of Disability Services (581-6583) for further information.

You can also obtain assistance from a variety of campus sources including the following:

Career Services (<http://www.eiu.edu/~careers>), 581-2412

Counseling Center (<http://www.eiu.edu/~counstr>), 581-3413

Student Success Center (<http://www.eiu.edu/~success>), 581-6696

## Grading

### Examinations

There will be six examinations and a comprehensive final exam. These examinations will cover material in the course texts and the additional material introduced during the course. In addition, there will be unannounced quizzes throughout the course that are based on reading material assigned for that class session. Quizzes are worth 20 extra credit points each.

### Quizzes

Unannounced quizzes may be given at the beginning of any class meeting. These quizzes are worth 25 points each and are extra credit quizzes. Accordingly, there is no makeup for these quizzes if you are not present to take them. All quizzes utilize the TurningPoint response devices and no alternative mechanisms are allowed. Therefore, if you do not have your registered TurningPoint response device with you, you will not be allowed to take the quiz.

## Exercises and Projects

Seven programming projects will be required. Other in-class and online homework projects, activities, and assignments may also be assigned with various point values.

## Attendance and Participation

Attendance is recorded via use of the TurningPoint clickers. You will not do well in this course if you do not attend ALL class sessions and participate in class sessions and discussion. For further information, see the *General Policies / Attendance* section.

## Grade Calculation

Grades will be calculated by dividing the points amassed by the number possible. The resulting percentage will be assigned a grade based on the following scale:

90% or better	A
80-89%	B
70-79%	C
60-69%	D
Below 60%	F

Points possible will vary, but tentatively they will be as follows:

Exams	600
Final Exam	200
Projects	700
Exercises/homework	100
Tentative Total Possible	1,600 points

## General Policies

### Attendance

In accordance with University policy, students are expected to attend class unless prevented by illness, an official University activity, or an emergency. Students who miss class due to an excused absence will be allowed to make up missed work or submit assignments without penalty (except for quizzes as outlined below under *makeup*). An absence from class will be considered an “excused absence” under the following circumstances:

- *Absence due to illness:* An absence due to illness is excused ONLY if the student notifies the instructor of the absence in advance *and* provides documentation of the illness upon return to class.
- *Absence due to an official University activity:* Absence due to an official University activity is an excused absence only if the student notifies the professor of the absence in advance *and* provides written documentation of the University activity from an appropriate University representative prior to the absence.
- *Absence due to emergency:* Evaluation of whether an absence due to emergency is an excused absence will be made by the professor on a case by case basis. At a minimum, the student should notify the professor of the absence as soon as possible and should provide documentation of the emergency.

## Makeup

Makeup of exams will be allowed only due to an excused absence for emergency or serious illness, as outlined above. Students who are excused from class due to participation in official activities, must make arrangements to take the exam **prior** to the absence.

Quizzes are administered at the beginning of a class via TurningPoint response devices. You must be in class with your registered TurningPoint device to take a quiz. Due to the nature of the quiz, and due to the fact that you have two built-in makeup opportunities, there is no makeup of quizzes.

## Due Dates

All due dates are noted on the course calendar. You are responsible to make sure that your assignments are turned in on time. **Late assignments will not be accepted!** Assignments are due at the beginning of the class period where a due date is shown. For homework and other assignments not shown on the calendar, the due date will be that announced in class when the assignment is given. Once assignments have been collected, or submitted in electronic form, no assignments will be accepted for credit. Learn to do things completely and on time.

## Academic Integrity

All students are expected to comply with University rules and regulations on academic integrity and honesty. These rules and regulations are summarized in the Student Conduct Code (<http://www.eiu.edu/~judicial>). Disciplinary sanctions may be imposed for violations of these rules and regulations.

To encourage original and authentic written work, students may be required to submit their written assignments in this course for review to Turnitin.com, or other systems designed to detect plagiarized material, and those assignments will become a searchable document with the Turnitin (or other system's) database.

## Course Calendar

Each class day will consist of lectures on technical and managerial topics and class discussions. Some class time will be used for online preparation, discussion, and activities.

Assigned reading should be done *before* coming to class. We do not have time to cover all of the material in your texts so you should examine the material thoroughly on your own. You should come to class prepared for topical discussions. The course calendar lists the reading assignments and the topics to be dealt with during our class time.

## Emergencies

Instructions about what to do in the event of an emergency are posted in all classrooms on Eastern's campus. Students are responsible for acquainting themselves as to the specific instructions so that they will be prepared in the event of an emergency.

## Use of Cell Phones and Computers

The use of cell phones, pagers, PDAs, or similar communication devices, during scheduled classes and examinations is prohibited. All such devices must be turned off or put in a silent mode and ordinarily should not be taken out during class. Given the fact that these same communication devices are part of the University's emergency notification system, an exception to this policy would occur when numerous devices activate simultaneously. When this occurs, students may consult their devices to determine if a university emergency exists. If that is not the case, the devices should be immediately returned to silent mode and put away. Other exceptions to this policy may be granted at the discretion of the instructor.

Students may use laptops during class to access PowerPoint lecture notes and/or take notes. Accessing the Internet, sending and receiving emails, etc., is NOT acceptable. Students who abuse the laptop privilege will be asked to keep their laptops stowed during class. Laptops may not be used during examinations. Occasionally, this policy may be altered by the instructor as needed for instructional purposes.

## Professionalism

Students are expected to demonstrate professional conduct in class. Students who engage in unprofessional behavior (such as tardiness, sleeping, reading non-class materials, talking, text messaging, etc.) may be asked to leave the classroom for the duration of the class session.