

GRA2755 Web Design 3 (Graphic Interface Design 3)

syllabus

Course handout prepared/revised by Sam Grant 01/06

This course teaches the student to create web pages that link to databases, generate PHP and MySQL-based sites and to create desired results via your browser interface using Macromedia Dreamweaver MX 2004. This class takes Dreamweaver MX 2004 into the realm of database-driven Web sites. Designed for more than creating interactive websites and online application development, Dreamweaver MX 2004's advanced features take the design student into the powerful realm of web development for dynamic driven web pages. This course tackles all of the advanced features of Dreamweaver's core architecture. A basic understanding of Dreamweaver and Fireworks is required before taking this class.

Pre-requisites: GRA1750, GRA1751 and GRA1754. **Co-requisites:** GRA1141.

(4 credits; 2-hour lecture, 4-hour lab, 6 clock hours: 96 total; 20 points.)

COMPETENCIES:

- The student will demonstrate an understanding of the function of interactive databases and database driven web pages by answering questions on a questionnaire.
- The student will demonstrate an understanding of the creation processes of configuring a Dreamweaver MX Site
- The student will demonstrate knowledge of setting up Database Connectivity by completing the pathway from the database to actual Web pages.
- The student will demonstrate an understanding of SQL by adding Dynamic Data.
- The student will demonstrate an understanding of Dreamweaver MX Server Behavior by creating a completely new record in the database.
- Students will use a minimum of 5 descriptive exercises, to create an overall site --which serves as a tutorial for the final course project. Students will then use this plan to create a complete website for the final project. The student will present this project orally in class.

All current and relative assignments and resources will be posted on the class website. The link is:

<http://faculty.mdc.edu/sgrant/wd3.htm>

TEXT

The textbook to be used for support in this course is: **Macromedia PHP Web Development with Macromedia Dreamweaver MX 2004**
by Rachel Andrew, Allan Kent, David Powers

Paperback: 544 pages
Publisher: Apress
ISBN: 1590593502

SUPPLIES

The following supplies will be required for this course:

- 1 **1 USB Flash Drive (min. 64mb)**
- 2 **Two blank CD-R discs.**
- 3 **Photo reference of retail products for final website.**
- 4 **Highlighter pen: Yellow.**
- 5 **Tracing or Sketch Pad.**
- 6 **3 to 5 color markers or pencils.**
- 7 **OPTIONAL: Hosting service with PHP/mySQL capabilities.**

Note: Some of these supplies may have been purchased in an earlier course and may not need to be purchased again.

CLASS ATTENDANCE GRADE

Students are expected to attend every class regularly and to arrive on time for each class. Excessive absences and tardiness will affect the student's final grade average. It is the student's responsibility to make up class work and notes when absent or late for class. The attendance grade will be expressed as a percentage of the number of hours the class meets during the semester and will constitute 20% of the student's final grade.

QUIZ GRADES

Quizzes will be given. If you do not take the quiz or test on the assigned date, you will be given a make-up quiz and will lose 10 percent of your grade. If you are absent and excused, you will be given a make-up quiz but will not lose 10 percent of your grade. The quiz grades will constitute 15% of your final grade.

LESSON GRADES

Lessons will have an assigned due date to be completed. If they are not handed in on time the student will lose 10 points off the grade. The lessons will be graded on their neatness, completeness and accuracy of following instructions, and how well you completed the project objectives. The lessons constitute 40% of your final grade

FINAL EXAM

The final exam will be given on the assigned date and is up to the instructor whether it is given. The average grade of all the quizzes and projects will be the determining factor. If you do not present your final exam on the required date you must make special arrangements with the instructor to schedule a make-up final presentation and you will lose 10 percent. The exam consist of the creation of a website with a set of predefined functions and a multiple-choice test derived from the handouts and lectures given in class. The Final Exam grade will constitute 25% of your final grade.

GRA2755 is an advanced course in creating database driven websites and is open to students who've met the necessary pre-requisites. Enough time is scheduled to complete the assigned projects during the regular hours of the course.

Special concessions, such as reserved computer workstations, will be made for the physically challenged. In an effort to preserve the environment, recycling boxes are located around the room for refuse paper.

GRADING SCALE

The grading scale for all elements of this course is as follows:

A= 100-93

B= 92 -84

C= 83 70

D= 69 -61

F= 60 or below.

SAFETY

Please observe the following safety guidelines:

- *Note evacuation routes and procedures posted by doors inside the lab.*
- *A fire alarm consists of a triple horn/buzzer effect. When a fire alarm is sounded, please exit orderly and quickly.*
- *Please enter and exit only through designated doorways. All other entrances are emergency exits only and an alarm will sound if they are opened.*
- *A first aid case is located in room 3133 for minor injuries.*
- *Retract the blade of the cutter when not in use.*
- *Never eat, drink, or smoke in the lab.*
- *Never touch any cabling without supervision.*
- *Never cover the computer's ventilation holes with books, papers, etc.*
- *Never expose diskettes to extreme temperatures or magnetic fields. Never touch the magnetic media with your hands.*
- *Do not bring computer games or other programs to the lab. Do not boot the computer with a system diskette or disable the computer's virus checkers.*
- *Do not attempt to Trash other students work on the server. Please be respectful of your fellow students.*



Warning: Copying software is illegal. Do not copy programs or ask instructors to copy programs for you.

See You In Class!