

Farmingdale State College
Computer Systems Department
Fall 2015
BCS350 Web Database Design

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Office Hours: Make arrangements, before or after class

Course Description

This advanced course prepares the student to use database management systems with Web server software to develop and maintain the information content of a Web site. Students in the course should have a thorough knowledge of HTML, Web scripting, database management, and server technology. Credits: 3.00

Prerequisite:

BCS 130 and BCS 260 with a minimum grade of C.

Course Objectives:

At the completion of this course, students will:

1. Have the skill to create dynamic Web front-ends, middleware, and back-end components of e-commerce sites.
2. Understand web database construction.
3. Understand client-side technologies.
4. Understand server-side technologies.
5. Understand connectivity of databases to web pages.
6. Know how to write conditions, branching, loops, functions, user-defined functions in PHP.
7. Know how to implement arrays, strings, and advanced data manipulation in PHP.
8. Be able to write SQL using MySQL: queries: join, inserting, updating, and deleting data.
9. Query a MySQL Database using PHP.
10. Write to web databases.
11. Validate Server-Side with PHP and validate Client-side with JavaScript.
12. Understand PHP Session Management.
13. Understand HTTP authentication with PHP.

Optional Text

Beginning PHP and MySQL, From Novice to Professional, Fourth Edition, W. Jason Gilmore.

Grading Policy

Classwork and Homework:	20%
Exams:	40%
Final Project:	40%

Students are responsible for all work missed due to absence and will be accepted no more than one week after it is due. Missed exams can be made up with individual assignments.

STUDENT ATTENDANCE and CLASS WITHDRAWAL POLICY

Please be courteous and arrive ON TIME for class. Students are required to attend all classes for which they are registered. The student is responsible for fulfilling all course requirements and completion of all course assignments to receive credit for the course. If classes are missed for any reason, the student is not excused for any missed work.

The student must request an official withdrawal on or before the official last date for withdrawal or they will receive an A through F grade. This policy is in alignment with the policy stated in the 2015 – 2016 College Catalog which states: "A grade of "W" will be given to any student who officially withdraws from a course from the beginning of the second week through the end of the ninth week of classes. Withdrawal after the ninth week of classes is permitted only under extenuating circumstances at the discretion of the instructor."

CLASS CANCELLATIONS

Please visit the Farmingdale State Web site (<http://www.farmingdale.edu>) home page to obtain the latest information on class cancellations or delayed openings.

PUBLIC HEALTH LAW

New York State Public Health Law 2165 requires all students born on or after January 1, 1957 who register for 6 or more credits to prove immunity to Measles, Mumps, and Rubella (MMR). The College will disenroll any student who is not in compliance with this law. If there is any doubt about the status of your compliance with Public Health Law 2165, please check with the Health and Wellness Center (631) 420-2009, located behind Memorial Hall.

CELL PHONE USE

It's important that you and your classmates not be distracted from learning. The prohibition of cell phones is covered in Article II of the Student Code of Conduct. Any disruption of teaching, which specifically includes the use of cell phones, pagers, or other electronic devices, is considered a Level 1 violation of Article II of the Student Code of Conduct. Any violation may result in disciplinary action ranging from a warning letter to probation, suspension or dismissal from the College. As such, please turn off and put away these devices prior to your entering the classroom. Laptop computers – if used in class -- are to be used for academic work only, not for recreational means or surfing of the Internet.

COMPUTER SYSTEMS DEPARTMENT ACADEMIC INTEGRITY POLICY

Revised June 9, 2015

Unless specifically indicated as group or team projects, all assignments are considered individual assignments for which the instructor expects original work submitted by each student. All assignments must comply with the following Computer Systems Department academic integrity policy. We will follow the student code of conduct definitions of Academic Dishonesty, as listed in the Farmingdale State College Student Code of Conduct, as follows:

1. Submitting another person's work with or without that person's knowledge.
2. Copying a computer program or programming code from another source.
3. Purchasing and then submitting programming code.

In addition, the following are also considered to be a breach of the academic integrity policy as it applies to individual assignments:

4. Exchanging ideas, computer code, and documents electronically.
5. Sharing storage media.
6. Submitting a document file that has been duplicated electronically from another person's work.
7. Collaborating with another person to produce identical or similar work.
8. Intentionally or knowingly helping, attempting to help, **or solicit another to commit an act of academic dishonesty.**

INSTRUCTOR'S COURSE OF ACTION

First Offense:

- The student (and collaborators, if any) will receive a grade of zero for the assignment and will have his or her final grade reduced by one full letter grade.
- The infraction will be reported to the student's chairperson.
- A letter regarding the infraction will be placed in the student's file.

Second Offense:

- The student receives an "F" in the course and may no longer attend or participate in the course.
- The infraction will be reported to the student's chairperson, who will then notify the Dean of Students regarding the infraction.
- A letter regarding the infraction will be placed in the student's file.

A second offense can occur in the same course or in different courses in the same or different semesters. Student dishonesty on exams and/or a capstone project will ***automatically be treated as a second offense.***

If a student is unclear about or has questions regarding the academic integrity policy, it is the student's responsibility to ask the professor for clarification of the policy.

Note: If you have a question about an assignment submission or evaluation, or if you have a question about an exam or a quiz grade, you must raise those questions within one week after the assignment evaluation or the exam or quiz was graded or returned.

STUDENTS WITH DISABILITIES

Students who seek accommodations (e.g. extra time for tests, readers, sign-language interpreters) are required to meet with the Director of the Office for Students with Disabilities for review of their special needs and present documentation regarding their disability. For further information, contact the Office for Students with Disabilities at (631) 420-6173/2411. The office is located in Roosevelt Hall, Room 150/151. If you have a documented disability and wish to discuss academic accommodations, please contact me as soon as possible.