

WAYNE COMMUNITY COLLEGE
Syllabus for DBA 115-40, Database Applications
Fall 2012, Online

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I prefer that you post questions to the forums, so that other students have an opportunity to answer your question. For particularly tricky problems that require direct interaction, you are always welcome to instant message me whenever I am online. If I do not answer, it means that I am not available to assist you at that time. Generally, I can also connect to your PC using remote assistance software.

All e-mail correspondence should be done through your official waynecc.edu address. Ensure that your junk mail filters are updated so that they do not accidentally reject e-mail from waynecc.edu. Also, please put “DBA115” as part of the subject line when composing e-mail.

Course Description

Class Hours 2, Lab Hours 2, Clinical/Work Experience Hours 0; Semester Hours 3

This course applies concepts learned in DBA 110 to a specific DBMS. Topics include manipulating multiple tables, advanced queries, screens and reports, linking, and command files. Upon completion, students should be able to create multiple table systems that demonstrate updates, screens, and reports representative of industry requirements.

Prerequisite(s): DBA 110

Co-requisite(s): None

Required Textbook

Ullman, Larry. *PHP and MySQL for Dynamic Web Sites, Fourth Edition*. Peachpit Press, 2012, ISBN 0-321-78407-3. Also available as eBook:

<http://www.peachpit.com/store/product.aspx?isbn=0321784073>

Griffiths, Patrick. *HTML Dog: The Best-Practice Guide to XHTML and CSS*. New Riders Press, 2006, ISBN 0-321-31139-6. Also available as eBook:

<http://www.peachpit.com/store/product.aspx?isbn=0321311396>

Other Required Materials/Software

Personal Computer with Windows XP or higher. This semester we will be using the **WampServer** for Windows application stack, **Crimson Editor**, and the web browser **Mozilla Firefox**. All products can be downloaded free of charge.

A high-speed Internet connection is strongly recommended.

Program Learning Outcomes

While program learning outcomes are being updated, a general overview of the A.A.S. Office Systems Technology Department degrees may be found in the WCC College Catalog, which is available in both hardcopy as well as electronic format online.

Course Learning Outcomes

Upon completion of this course, students will be able to:

1. develop Web sites using PHP and MySQL
2. work with data types and operators
3. build functions and control structures
4. access files and directories
5. manipulate data in arrays and strings
6. work with databases
7. manipulate MySQL databases with PHP

Learning/Teaching Methods

The teaching methods utilized during this course include: assigned readings, lectures, student discussions, labs, case materials, Internet assignments, collaborative projects, and presentation of supplemental information.

Course Requirements

It is a remarkable but true fact: I do *not* give a comprehensive midterm or final exam. However, students find my assignments to be extremely challenging. As a result, your grade is largely determined by your ability to apply concepts in the course through programming and design projects.

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|----------------------------|--------------|
| Programming Assignments | 55% of grade |
| Midterm Project | 15% of grade |
| Final Project | 20% of grade |
| Milestones (Participation) | 10% of grade |

Milestones are intermediate submissions that show that you are making progress on a particular assignment. They are graded for completeness, not correctness, and they are typically due somewhere between the assignment release date and the due date. Milestones encourage students to begin work on assignments well before the due date so that they have an opportunity to ask questions.

Many assignments and readings are exploratory in nature and are not assigned directly from the textbook. Please be aware that missing two consecutive weeks of assignments *may* result in the student being dropped from the course.

Grading Policy/Criteria

Grades are assigned on a nominal seven-point scale:

| | |
|---|----------|
| A | 93 - 100 |
| B | 85 - 92 |
| C | 77 - 84 |
| D | 70 - 76 |
| F | Below 70 |

With the exception of officially excused absences, late assignments are not accepted. Please make sure that you have allocated adequate time to complete all assignments.

Academic Integrity Statement

See the WCC General Catalog¹ for the WCC Code of Student Academic Integrity Policy. Any student caught violating the WCC Code of Student Academic Integrity Policy, (i.e., cheating, plagiarizing, or other dishonorable acts) in academic work is subject to disciplinary action. Cheating will not be tolerated. Cheating will result in an automatic “F” for the course. In the Business and Computer Technology Division cheating is defined as:

1. Using another student’s diskette to complete an assignment.
2. Allowing another student to use your diskette, or information from your diskette, to complete an assignment.
3. Keying or printing an assignment and giving it to another student.
4. Using unauthorized books, materials, or another person’s assistance while working on any graded assignment.
5. Taking an online test for another student.

Students with Disabilities

WCC is committed to seeing that students with disabilities have equal access to and participation in all programs of study. For further explanation, please note the Students with Disabilities policy in the WCC General Catalog or in the Student Handbook². Students with disabilities can contact the Disability Coordinator, in the Student Development Office, Room WLC 114, or call 919-735-5152, or via TTY 919-583-8544.

Non-Discriminatory Statement

Wayne Community College is committed to a policy of providing educational opportunities to all students regardless of economic or social status, beliefs, sexual orientation, national origin, or physical or mental disability. WCC’s non-discriminatory statement may be found in the WCC Student Handbook.

Student Attendance Policy

¹<http://www.waynecc.edu/pdf/catalog.pdf>

²<http://www.waynecc.edu/pdf/student-handbook.pdf>

The College believes students demonstrate responsibility for and commitment to their educational goals through regular attendance; therefore, students must attend 80% of the total hours of any class to receive a passing grade. Instructors will excuse no absences under this policy.

Students who miss more than 20% of the class meetings before the last date for dropping a course will receive a grade of “W”. After the last date to drop, instructors will assign the grade of “WF”. Instructors expect students to make up missed work, but students cannot make up absences.

WCC attendance policy allows no more than 20% of scheduled class hours as absences. Three tardies count as one unexcused absence. Students will be counted tardy if they enter class anytime after the scheduled class hour.

Campus Cruiser Email

You are required to use your Campus Cruiser email account for all communications with the college. You should check it at least once a day. In addition to course information, you will also receive important information from other offices on campus.

Course Outline and Calendar

For a full course outline with due dates, please view the relevant sections of the online Moodle class.