IDD-632 Database Management and Scripting Syllabus
Credits: # 3 LECTURE
Term: Spring
Class Schedule: Thursdays
6:30 to 9:30 PM
Class Location: ITEC

Instructor Information
Name: Tom Barker
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Phone:

Course Descriptions

Using PHP, students will learn fundamental server-side scripting concepts like creating arrays and functions, automating Unix commands, gathering and processing user input, and dynamically writing out XHTML and JavaScript. Relational Database concepts are covered and students will learn to conceptually model data and to create, query, and manage their database using SQL. The course will culminate with the students, for their final project, creating a web application that ties XHTML front-end to a MySQL database using PHP.

Course Objectives

Understand relational database concepts
Learn how to create and programmatically update MySQL
Understand how to construct queries using ANSI SQL
Learn the PHP language
Create a 3-tier web application

Prerequisites

N/A

Grades

The following definitions are applied to appropriate letter grades:

A = excellent performance, well above expected achievement
B = good performance above expected achievement
C = expected achievement

Superior	Above Average	Average	Below Average	Failing

A = 4.00	B = 3.00	C = 2.00	D = 1.00	F = 0.00	D = poor or below
A- = 3.67	B- = 2.67	C- = 1.67			expected
B+ = 3.33	C+ = 2.33	D+ = 1.33			achievement
					F = failure

Following is a list of letter grades and their equivalent percent grade:

Course Content

Week	Topic or Readings	
1	Client-server Development/3-Tier Architecture in action	
2	Intro to PHP: syntax, variables, conditionals, looping	
3	PHP Arrays and Functions	
4	Object Oriented Programming with PHP: exploring classes, objects and inheritance	
5	Relational Database Concepts: Data Modeling and Normalization	
7	Intro to SQL: transactional syntax, select, update, insert, where	
8	Intro to SQL: advanced joins and query filtering	
9	Connecting to a Database and Querying Tables from PHP	
10	Client-side scripting in JavaScript; the DOM	
11	Retrieving data from the front-end, Post and Get in PHP	
12	Full 3-Tier application	

Text and Resources

N/A

Academic Integrity
Academic integrity is a policy about ethical behavior at Philadelphia University regarding one's intentions, decisions, and actions while conducting academic work. It includes values such as avoidance of the following: cheating; plagiarism; copying; the fabrication of information; and facilitating, or denying others access to information. It expects honesty and rigor in research, course work, writing and publishing. Academic Integrity is taken seriously in this course. Any student violating the University's academic integrity policy will be subject to appropriate sanctions. The University's complete academic integrity policy is available in the 2013-14 Academic Catalog and University's Student Handbook.

Academic resources, including information on citation and documentation for all written work, projects, and presentations, are also available on the Learning and Advising Center's website: http://www.philau.edu/learning/writingguidelines.html.

Classroom Rules & Personal Conduct
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Attendance/Lateness
In accordance with University policy, students are expected to attend class every day with all relevant required course materials and work. If you are absent from class, contact your faculty as soon as possible, preferably before the next class meeting. Students remain responsible for any missed work, for work completed in class, and for work due and must arrange for that work to be delivered to the faculty on time. **If you miss three classes, your grade will be dropped a full letter grade. More than four unexcused absences will result in a final grade of FAIL and a recommendation to drop the course.**

Serious illness, family emergencies, or other crises mean that students should contact the Dean of Students Office as soon as possible (215-951-2740) and follow up with a direct explanation to the faculty. Students are responsible for all work related to this class; however, faculty may (but are not required to) make some accommodation in terms of time of delivery and/or make-up exams for major tests. Please consult with your faculty and your academic advisor to determine whether you should withdraw from the course or request an incomplete grade in the case of serious illness or crises.

Electronic Resources
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Gutman Library (www.philau.edu/library)
Gutman Library is a gateway to a variety of information resources. The homepage of the library provides 24/7 access to online databases of articles, e-journal collections, e-books, and specialized information to support your coursework. See a list of Research Guides for specific programs and courses at http://libguides.philau.edu/start. The library building is wireless, has 80 available

workstations (PCs and Macs), printers, scanners, and copiers; as well as individual and group study spaces.

The Learning and Advising Center
The Learning and Advising Center provides one-on-one tutoring assistance for writing, study strategies, test taking, and specific Philadelphia University courses*. To make a tutoring appointment, students should stop by the Learning and Advising Center in Haggar Hall or call (215) 951-2799. Academic resources, including information on citation and documentation, note taking, and study strategies are available on the Center's website.

Technology Resources (http://www.philau.edu/OIT/)
The campus is wireless. If you need a computer, Gutman Library and Search Hall have open access computers. For assistance with technology issues, students should contact the Technology Help Desk at (215) 951-4648 or send an email to helpdesk@philau.edu.

Collection of Student Work
Philadelphia University is committed to providing excellent and innovative educational opportunities to its students. To help us maintain quality academic offerings and to conform to professional accreditation requirements where relevant, the University and its programs regularly examine the effectiveness of the curricula, teaching, services, and programs the University provides. As Philadelphia University sees appropriate, it may retain representative examples or copies of student work from all courses. This might include papers, exams, creative works, or portfolios developed and submitted in courses or to satisfy the requirements for degree programs as well as surveys, focus group information, and reflective exercises.

Program Director
If for any reason you need advisement from the program director, feel free to e-mail Neil Harner at harnern@philau.edu or call his office at (215) 951-2913

Emergency
In the event of an emergency call Phila U. Security at 2999.