IT 140 PHP and MySQL

Course Description: A course in PHP web programming with a MySQL database. Topics include: PHP language, syntax, variables, and forms; MySQL database design; connecting to a MySQL database using PHP; inserting, editing, and deleting MySQL data using PHP; and building dynamic web pages using PHP and MySQL.

Prerequisites(s): IT 101, IT 110, IT 111 (minimum grade C for all)   **Corequisite(s):** No corequisite

Lecture Hours: 3	Lab Hours: 3	Credit Hours: 4
Lab Fee: 105	Supplemental Fee: 0	Purpose:
☐ Transfer Assurance Guide Course (TAG)	☐ Transfer Module Course (TM)	
Course Format: Lec/Lab	Grading: A/B/C/D/F/I	
Delivery Method: ☒ Web ☐ Hybrid ☒ Classroom		
Semesters Offered: ☒ Fall ☒ Spring ☒ Summer		

Course Primary Text:

Title: Beginning PHP 5.3	Edition:
Author(s): Matt Doyle	
Publisher: Wrox Publishing	

Supplemental Materials:

Course Outcomes:

1	Be able to show and demonstrate the purpose of PHP as a language
2	Be able to write PHP that will incorporate the following: • Conditional Structures • Iterative Structures • Strings • Arrays • Functions
3	Be able to incorporate HTML forms with a PHP Program
4	Be able to show and demonstrate and understanding of MySQL
5	Be able to incorporate MySQL into a PHP Program
6	Be able to incorporate regular expressions into a PHP Program
7	Be able to incorporate reading an XML document within a PHP Program

Course Topics:

Week 1	Introduction to PHP and set up PHP environment
Week 2	Introduction to PHP Language Basics
Week 3	Introduction to Decisions and Loops in PHP
Week 4	Introduction to Strings in PHP
Week 5	Introduction to Arrays in PHP
Week 6	Introduction to Functions in PHP
Week 7	Handling HTML Forms with PHP
Week 8	Preserving State
Week 9	Midterm Project and Midterm Exam
Week 10	Working with Files and Directories
Week 11	Introduction to Databases and SQL (MySQL)
Week 12	Retrieving and Manipulating Data with MySQL
Week 13	String Matching with Regular Expressions with PHP
Week 14	Working with XML with PHP
Week 15	Final Project and Final Exam

Methods of Evaluation/Assessment

Assignments - 30%
Midterm Exam - 15%
Midterm Project – 15%
Final Exam – 20%
Final Project - 20%

Course Keeper: Bob Nields   Date Completed: 4/1/2019