**WD 220 COURSE OUTLINE**

Instructor: Mrs. Tammy Smith

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Office: Suite 241

Course Title: PHP and Database Programming

Length: 15 Weeks Credits: 3

Course Description:

An introduction to PHP programming with a specific focus on configuring and using Web servers with the PHP programming language. The learner will use programming and database concepts to create real world projects using PHP and database applications such as MySQL. Special emphasis will be given to configuring and using PHP with the Apache Web server, creating and managing Web databases, and creating dynamically generated Web pages.

PreReqs: ENGL101, CAPS131, CAPS/WD155 or instructor permission.

Required Texts:

1. *PHP Programming with MySQL* Second Edition by Don Gosselin, Diana Kokoska, Robert Easterbrooks; Course Technology – Cengage Learning: 2010; ISBN: 0-538-74584-3

Recommended Materials:

1. USB Flash Drive (2.0) – 128 MB or greater

Method of Evaluation:

1. Reinforcement Exercises/Programming Projects 60 points

[10 chapters – 6 points each chapter]

1. Discussion Postings (2 posts per discussion) 20 points

[10 chapter discussions – 2 points each chapter]

1. Comprehension Checks (20 review questions per chapter) 20 points

[10 chapter comprehension checks – 2 points each]

Grading:

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| A | 93-100 |  | B- | 80-82 |  | D+ | 67-69 |
| A- | 90-92 |  | C+ | 77-79 |  | D | 63-66 |
| B+ | 87-89 |  | C | 73-76 |  | D- | 60-62 |
| B | 83-86 |  | C- | 70-72 |  | F | 0-59 |
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Academic Integrity:

All work submitted by the student must be his or her own. Any actions taken by a student that would result in misrepresentation of someone else’s works is intellectually dishonest and will result in severe penalties.

Ref: <http://www.tc3.edu/catalog/pp_ac_statement.asp>

Accommodations:

This material is available in alternative formats upon request. It is the College's policy to provide, on an individual basis, reasonable accommodations to students with disabilities, which may affect their ability to fully participate in program or course activities or to meet course requirements. Students with disabilities are encouraged to contact Carolyn Boone, Coordinator of Access and Equity Services, at (607) 844-8222 X4283 or boonec@tc3.edu to discuss their particular needs for accommodations. Ref: <http://www.tc3.edu/bcl/d_accommodations.asp>

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| **Chapter** | **Topics** | **Chapter**  **Readings** | Reinforcement Exercises and Comprehension Checks  **[10 points per chapter]** | **Due Date** |
| **1** | Getting Started with PHP | Chapter 1 | Comprehension Check #1-20  Chapter Discussion  Exercises:  1-1, 1-2, 1-3, 1-4, 1-5, 1-6 | By 9:00 a.m.  on 9/4 |
| **2** | Functions and Control Structures | Chapter 2 | Comprehension Check #1-20  Chapter Discussion  Exercises:  2-1, 2-2, 2-5, 2-6 | By 9:00 a.m.  on 9/11 |
| **3** | Manipulating Strings | Chapter 3 | Comprehension Check #1-20  Chapter Discussion  Exercises:  3-1, 3-3, 3-5 | By 9:00 a.m.  on 9/23 |
| **4** | Handling User Input | Chapter 4 | Comprehension Check #1-20  Chapter Discussion  Exercises:  4-1, 4-3, 4-4 | By 9:00 a.m.  on 10/2 |
| **5** | Working with Files and Directories | Chapter 5 | Comprehension Check #1-20  Chapter Discussion  Exercises:  5-1, 5-2, 5-4, 5-5 | By 9:00 a.m.  on 10/16 |
| **6** | Manipulating Arrays | Chapter 6 | Comprehension Check #1-20  Chapter Discussion  Exercises:  6-1, 6-2, 6-4, 6-5 | By 9:00 a.m.  on 10/28 |
| **7** | Working with Databases and MySQL | Chapter 7 | Comprehension Check #1-20  Chapter Discussion  Exercises:  7-1, 7-2, 7-3, 7-4 | By 9:00 a.m.  on 11/6 |
| **8** | Manipulating MySQL Databases with PHP | Chapter 8 | Comprehension Check #1-20  Chapter Discussion  Exercises:  8-3, 8-4, 8-5 | By 9:00 a.m.  on 11/18 |
| **9** | Managing State Information | Chapter 9 | Comprehension Check #1-20  Chapter Discussion  Exercises:  9-1, 9-2, 9-3 | By 9:00 a.m.  on 12/2 |
| **10** | Developing Object-Oriented PHP | Chapter 10 | Comprehension Check #1-20  Chapter Discussion  Exercises:  10-4 | By 9:00 a.m.  on 12/11 |

NO LATE WORK ACCEPTED! Late work will not be accepted for any reason.