KISHWAUKEE COLLEGE SYLLABUS
Spring, 2015

Server-Side Programming, 3 Credit Hours
CIS 265 5001

Tuesday/Thursday, 11:00 AM - 12:15 PM, A 1373
Start and end dates: 01/13/2015-05/15/2015

Instructor: Susan Grever

Office location: Office: A 1343

Office hours:

- Monday 10:15-10:50 AM and 2:00-2:25 PM,
- Tuesday 12:30-1:30 PM and 5:30-5:50 PM,
- Wednesday 10:15-10:50 AM and 2:00-2:25 PM,
- Thursday 12:30-1:20 PM.
- Other office hours by appointment.

Office phone: (815) 825-2086 ext. 3230

Instructor Kishwaukee College email: susan.grever@kishwaukeecollege.edu
D2L Instructor email: sgrever@kish.desire2learn.com (preferred for class correspondence)

COURSE DESCRIPTION

This course covers Internet and Web programming. The programming language used will vary by course section. Topics covered will include an in-depth study of the specific language being used, dynamic creation of web pages, session management, file access, database interaction, and security. Completion of one programming course or previous programming experience is expected. Repeatable three times as programming language changes. Three hours lecture/ discussion a week.

Note: This section will use PHP as the programming language.

STUDENT LEARNING OUTCOMES (SLO)

Upon completion of this course, the student will be able to:

1. Understand, install, and run a web server
2. use the language's control structures in programs
3. use the language's input and output functions
4. modularize code into functions/subroutines

5. use basic data structures
6. access files
7. write programs that interact with a web server
8. create web pages dynamically
9. implement an access restriction policy
10. discuss web application security measures
11. manage user sessions programmatically

TEXT

REQUIRED:
Murach, Joel and Ray Harris. *murack's PHP and MySQL.* 2nd Edition. Fresno, CA: Mike Murack & Associates, Inc. 2014

REQUIRED STUDENT MATERIALS

1. A computer with Internet access and XAMP installed.
2. USB drive or some method to store and transport files.

ADDITIONAL STUDENT REFERENCES AND THEIR LOCATION

- Class schedule and notes will be available on the Web Site:
  http://www.kishwaukeecollege.edu/faculty/sgrever.
- Quizzes, exam, homework assignments, class handouts and notes will be in D2L:
  https://kish.desire2learn.com/

BREAKDOWN OF COURSE REQUIREMENTS

Item	Points per Item	Total Points
Final Exam	100 points	100 points
Midterm Exam	100 points	100 points
5 Programming Projects (number may vary)	25 points each	125 points
10 Programming Labs (number may vary, 11 are proposed with the lowest dropped)	15 points each	150 points
13 Quizzes, (number may vary, 14 are proposed with the lowest dropped)	5 points each	65 points
Total points		540 points
Exams 37%, quizzes 12%, programming projects 23.1%, labs 27.8%		

Other Course Requirements

1. Students may spend from 3 to 9 hours per week outside of class programming and working on the concepts that will be used in the classroom.
2. Chapters should be read before the topics are discussed in class.
3. All programming examples done in class will be available in D2L in the In Class Files section.
4. All labs, projects and quizzes are submitted in D2L with a specified date and time. Once the assignment or quiz is closed (the due date and time is passed) it will not be possible to submit the assignment or quiz.
5. Quizzes in D2L will be open for one week.
6. In class labs must be done in class and submitted before leaving class. Instructions will be released at the beginning of class. Students must submit the lab in the appropriate D2L drop box and print out the source code. Hand in the print out before you leave class.
7. Programming projects must be submitted in the appropriate D2L drop box. You must upload the files as requested. It is the student's responsibility to upload the correct files. If multiple files are uploaded in D2L the last file uploaded will be graded unless the instructor is notified otherwise. Print out the source code and hand the source code in at the beginning of class on the day the assignment is due.
8. **No assignments will be accepted if emailed to the instructor.**
9. No assignments will be accepted once the drop box is closed **unless prior arrangements have been made**. If you cannot turn in an assignment on time you must email the instructor at least 12 hours prior to the assignment due date and time. Instructions and the drop box will be available for one week.

EXAMS:
The midterm and final exam have two components. One component is a multiple choice, true/false, and/or short answer exam. For this component there are no books or notes. The second component is a programming exercise. You will be given the specifications of a problem and will then have a set time to program the working solution. Books, programming projects and labs, and notes may be used for this portion of the exams.

BEHAVIOR:
Students are expected to show respect toward the instructor, other students, and their work. Behavior inconsistent with this goal is NOT allowed in the classroom and is grounds for expulsion from the class.

ACADEMIC DISHONESTY FOR THIS CLASS:
Programming project should be the students own work. Although it may seem that there is only one solution, projects will still vary greatly. Programming projects submitted to the instructor will be compared for similarities. If the instructor finds that assignments are too similar they will be given to another instructor for review. If that instructor concurs, a score of 0 will be given to both/all students on that assignment. Students found cheating on an exam will be given a grade of 0 for the exam. Students found cheating may be reported to the dean and the Vice President of Student Services.

CELL PHONES:
All cell phones and pagers must be turned off when entering the classroom. If you are expecting

an emergency call during class, please advise the instructor before class starts so that an exception to this rule may be made. Any student using a cell phone during an exam will be assumed to have finished the exam at that time and the exam will be collected for grading immediately.

COMPUTER LABS:
Please be aware that students are expected to spend time outside of class completing assignments. If you do not have a computer at home with the necessary software, you will need to use drive assigned to you on campus. Your drive may be used in either A 1375 or A 1373. A 1373 is usually open for students to work on labs. If you need to use A 1375 please check with the instructor.
Food and beverages are not permitted in the lab or the classrooms. Lab assistants are available at certain times for assistance with technical problems, but will not be able to help with specific questions about software operations and/or assignments.

EMAIL:
All class email correspondence should be sent with the email provided by D2L using sgrever@kish.desire2learn.com. All email received in D2L is answered first, usually within 24 hours. Email send to the instructor's regular e-mail account, susan.grever@kishwaukeecollege.edu account should only be used in case of a failure of the D2L server. If a student uses the regular account the email will be treated as non-critical and answered when time permits, usually within one week.

FINAL GRADE DETERMINATION:

Grade reports will not be mailed out. Please check KishSOS, My Student Info, under Academic Profile, Grades, for grade reports.

Grades will be determined using the following scale.

A 90 - 100% of total points (540 - 486)
B 80 - 89.9% of total points (485 - 432)
C 70 - 79.9% of total points (431 - 378)
D 60 - 69.9% of total points (377 - 324)
F below 60% of total points (423 and less)

Grades will be calculated on the total actual points possible for the semester. Should the actual total points vary from the proposed total points, the grades will be calculated on the actual total points.

COURSE EXIT REQUIREMENTS

There are no course exit requirements. For students continuing in CIS 250 it is recommended to exit the course with no less than a B.

TENTATIVE COURSE OUTLINE: *Course outline is subject to change.*

This is a tentative outline of the course. For specific exam, quiz or programming project due dates use the class schedule page at
http://www.kishwaukeecollege.edu/faculty/sgrever/265_5001sch.html or from a link in D2L. Details, assignments, quizzes, notes and dates will be updated throughout the semester.

Week 1

Jan 13 Syllabus, Chapter 1 Introduction to web development with PHP
Jan 15 Installing XAMP and setting up your computer, finish chapter 1 and Appendix A

Week 2
Jan 19 Martin Luther King Day, campus closed
Jan 20 Chapter 2 How to code a PHP application, embed PHP in html documents, $_GET, $_Post, data types, control statements, PHP documentation
Jan 22 chapter 2 lab

Week 3
Jan 27 Chapter 3 and 4 Introduction to relational database and MySQL, select statements and joins, phpMyAdmin. How to use PHP with a MySQL database, connecting and handling exceptions
Jan 29 Chapter 3 and 4 Introduction to relational database and MySQL, select statements and joins, phpMyAdmin. How to use PHP with a MySQL database, connecting and handling exceptions

Week 4
Feb 3 Chapter 4 How to work with SELECT statements and result sets
Feb 5 chapter 3 and 4 lab

Week 5
Feb 10 Chapter 5 and 6 How to use the MVC pattern to organize your code. How to test and debug a PHP application
Feb 12 chapter 5 and 6 lab

Week 6
Feb 17 Chapter 7 and 8 How to work with form data. How to work with control statements
Feb 19 chapter 7 and 8 lab

Week 7
Feb 24 Chapter 9 and chapter 10 How to work with strings and numbers. How to work with dates
Feb 26 chapter 9 and 10 lab

Week 8
Mar 3 Midterm Exam Chapters 1 - 10
Mar 4 Chapter 11 How to work with arrays

Mar 9 - 15 Spring Break

Week 9
Mar 17 Review arrays. Chapter 12 How to work with cookies and sessions
Mar 19 chapter 11 and 12 lab

Week 10
Mar 24 Chapter 13 How to create and use functions
Mar 26 Chapter 14 How to create and use objects

Week 11
Mar 31 chapter 13 and 14 lab
Apr 2 Faculty/Staff In-Service (No Classes)
Apr 3 Spring Friday, no classes

Week 12
Apr 7 Chapter 15 How to use regular expressions, handle exceptions and validate data
Apr 9 chapter 15 lab

Week 13
Apr 14 Chapter 19 and 20 Professional PHP for working with MySQL. A database-driven
website
Apr 16 chapter 19 and 20 lab

Week 14
Apr 21 Chapter 21 How to create secure websites
Apr 23 Chapter 21 How to create secure websites

Week 15
Apr 28 Chapter 22 and 23 How to send email and access other websites. How to work with files,
uploads, and images.
Apr 30 chapter 22 and 23 lab

Week 16
May 5 Chapter 24 An eCommerce website
May 7 Chapter 24 An eCommerce website

May 12 Tuesday, Final Exam 10:00 - 11:50 AM; chapters 11 to 15, 19 to 24

MAKE-UP POLICY

Quizzes:
Quizzes CAN NOT BE MADE UP. Quizzes are available for a one week period in D2L and as
such are considered take home assignments. The lowest quiz score will be dropped.

In Class Labs: In class labs CAN NOT BE MADE UP. They must be completed in class on the day scheduled. The lowest in class lab score will be dropped.

Exams:
Exams are to be taken at the day and time scheduled. In the case of an excusable absence or illness, the instructor MUST BE NOTIFIED IN ADVANCE. A makeup of that exam will be scheduled at the instructor's convenience. If the instructor has not been notified before your return to class, there will be no makeup of that exam. No final exams will be given before the last regular class date.

ATTENDANCE POLICY

All students are expected to attend class on time and to be prepared to participate. Should you miss a class it is your responsibility to determine what was covered during your absence. Please use the class schedule posted on the instructor's website and/or ask fellow students for details of what was covered.

CLASS WITHDRAWAL

A "W" cannot be given as a final grade. The student is responsible for officially withdrawing from the class according to procedures described in the college catalog. Any student that does not officially withdraw from the class will receive a letter grade. The last date for withdrawal for this course can be found at "My Class Schedule" on KishSOS. Kishwaukee College reserves the right to administratively withdraw at midterm those students who are not actively pursuing course objectives or who are in violation of standards of behavior as outlined in the Student Code of Conduct and Discipline. For a copy of the student conduct policy, contact the Vice President of Student Services Office or refer to the Kishwaukee College catalog.

INCOMPLETE GRADE

All course requirements must be completed by the end date for the course. In the event that extremely difficult circumstances merit granting a student more time to finish course requirements, an "Incomplete" (I) grade may be given. Taking an Incomplete is possible only at the instructor's discretion. To receive an Incomplete, a contract between the student and the instructor must be completed and approved regarding the completion of all remaining work within a strictly defined period of time. If the conditions of the contract are not met, an "I" grade may revert to an "F".

CLASS CANCELLATIONS

Class cancellations due to inclement weather will be posted on the College Website: www.kishwaukeecollege.edu. or announced by the local radio stations. Students may also call the College at (815) 825-2086. Class cancellations due to instructor absence will be posted on the classroom door and posted at www.kishwaukeecollege.edu/class_cancellations. Room changes will be announced in advance whenever possible and posted on the classroom door.

ACADEMIC DISHONESTY

In order to evaluate student work, faculty must be able to trust that the work is original with a student and not the work of someone else. Cheating, falsifying information, forgery, plagiarism, and other dishonest actions will not be tolerated. Sanctions for academic dishonesty are at the discretion of the instructor and subject to appeal as provided in Student Code of Conduct and Discipline. A complete explanation of the policy and procedures surrounding academic dishonesty are outlined in the Kishwaukee College Catalog.

COPYRIGHT

As a Kishwaukee College Student, you may have copyrighted materials or software made available to you by the college for course use. Please understand that copyright law may prohibit copying these materials. Violation of copyright laws can lead to prosecution for a criminal offense. You are required to abide by the specific copyright and licensing agreements that apply to each particular piece of software.

GRADUATION REQUIREMENTS FOR TRANSFER DEGREE STUDENTS

All students intending to graduate with an A.A., A.S., A.E.S., or A.F.A. are required to submit a complete Degree Portfolio. The Degree Portfolio is a means for the institution to measure its effectiveness in preparing students for successful completion of a degree at a transferring institution. Save your college-level work throughout your academic career in order to facilitate the portfolio compilation. Also, submit a completed application for graduation from the college the semester that you plan on graduating prior to submitting the complete Degree Portfolio. Guidelines and the specific requirements (along with the rubrics used for assessment) for the Degree Portfolio can be found at www.kishwaukeecollege.edu/portfolio.

ASSISTIVE RESOURCES CENTER/DISABILITY SERVICES

Any student with a documented disability or special learning need and wanting to request accommodations, should contact the Coordinator in A1317 or at (815) 825-2086 ext 3960, (815) 825-9106 (TTY), or send an email to awilson@kishwaukeecollege.edu. The student's disability must impact their ability to participate in the educational environment and be documented by an appropriate professional prior to accommodations being approved.

LEARNING SKILLS CENTER (A1300)

Students must present their Kishwaukee College student ID when using any Learning Skills Center services. For more information on the Learning Skills Center go to http://www.kishwaukeecollege.edu/go/lsc. Tutoring is available to all Kishwaukee students free of charge. The Writing Center (Learning Skills Center, A1306) answers your writing-related questions regardless of the class or assignment. Students are expected to bring all material related to the assignment, including textbooks, paper prompts, etc.

Make-up tests, online tests, and placement tests are available through Testing Services, also located in the Learning Skills Center

EMERGENCY PROCEDURES/SAFETY

Yellow and red Emergency Information flipcharts are located in each classroom. These are quick reference sheets with telephone numbers to reach emergency assistance and a brief description of the correct actions to take in the event of a tornado, fire or other emergency on campus.

RELIGIOUS OBSERVANCES

Students faced with schedule conflicts related to a religious observance should make prior arrangements with the instructor a minimum of seven (7) school days in advance of the examination or other activity involved.

STUDENT E-MAIL

Your Kishwaukee College e-mail account will be the only way to receive official notices from the College. If you choose to forward your e-mail to another account, please be advised that all communication from and within the college will use your Kishwaukee student e-mail. When communicating with instructors or employees of the college, you are required to use your Kishwaukee e-mail address.

COMMUNITY RESOURCES

There are numerous community resources that are available to assist students in addressing a variety of personal needs. A listing and description of community resources can be found at http://www.kishwaukeecollege.edu/go/communityresources