



COURSE OUTLINE

CSD320

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Prepared: Approved:

A 80-89%
B 70 - 79% 3.00
C 60 - 69% 2.00
D 50-59% 1.00
F (Fail) 49% and below 0.00

CR (Credit) Credit for diploma requirements has been awarded.
S Satisfactory achievement in field /clinical placement or non-graded subject area.
U Unsatisfactory achievement in field/clinical placement or non-graded subject area.
X A temporary grade limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course.
NR Grade not reported to Registrar's office.
W Student has withdrawn from the course without academic penalty.

OTHER EVALUATION CONSIDERATIONS

1. In order to pass this course the student must obtain an overall test/quiz average of 50% or better, as well as, an overall assignment average of 50% or better. A student who is not present to write a particular test/quiz, and does not notify the professor beforehand of their intended absence, may be subject to a zero grade on that test/quiz.
2. There will be no supplemental or make-up quizzes/tests in this course.
3. Assignments must be submitted by the due date according to the specifications of the professor. Late assignments will normally be given a mark of zero. Late assignments will only be marked at the discretion of the professor in cases where there were extenuating circumstances.
4. Any assignment/projects submissions, deemed to be copied, will result in a zero grade being assigned to all students involved in that particular incident.
5. It is the responsibility of the student to ask the professor to clarify any assignment requirements.
6. The professor reserves the right to modify the assessment process to meet any changing needs of the class.

Attendance:

Sault College is committed to student success. There is a direct correlation between academic performance and class attendance, therefore, for the benefit of all its constituents, all students



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are encouraged to attend all of their scheduled learning and evaluation sessions. This implies arriving on time and remaining for the duration of the scheduled session. It is the departmental policy that once the classroom door has enclosed, the learning process has begun. Late arrivers may not be granted admission to the room.

Absences due to medical or other unavoidable circumstances should be discussed with the professor. Students are required to be in class on time and attendance will be taken within the first five minutes of class. A missed class will result in a penalty in your marks unless you have discussed your absence with the professor as described above. The penalty depends on course hours and will be applied as follows:

Course Hours Deduction
5 hrs/week (75 hrs) 1.0% /hr
4 hrs/week (60 hrs) 1.5% /hr
3 hrs/week (45 hrs) 2.0% /hr
2 hrs/week (30 hrs) 3.0% /hr

Books and Required Resources:

PHP and MySQL for Dynamic Web Sites: Visual QuickPro Guide by Larry Ullman
Publisher: Peachpit Press (via Pearson Publishing) Edition: 4th Edition

<http://php.net/> by Other references:
Publisher: <http://dev.mysql.com/doc/refman/5.5/en/index.html>

Course Outcomes and Learning Objectives:

Course Outcome 1.

Understand the web based database processing environment, and, basic syntax and programming constructs of the PHP scripting language (chapters 1 & 2).

This learning outcome will comprise approximately 5% of the course.

Learning Objectives 1.

- learn the syntax for coding PHP
- learn how to send data to the Web browser
- learn how to use strings and numeric variables, and, constants
- learn how and when to use single vs. double quotation marks
- learn how to use basic debugging steps
- use PHP to handle submitted values
- use conditionals and mathematical operators, arrays, and loops



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Course Outcome 2.

Understand the web based database processing environment and build dynamic web sites (chapter 3).

This learning outcome will comprise approximately 10% of the course.

Learning Objectives 2.

- use external files to compartmentalize some HTML or PHP code
- create sticky forms
- create and use programmer defined functions

Course Outcome 3.

Understand error handling and debugging (chapter 8).

This learning outcome will comprise approximately 10% of the course.

Learning Objectives 3.

- identify, display, and debug various error types
- create custom error handlers
- use PHP, SQL, and MySQL debugging techniques

Course Outcome 4.

Use PHP and MySQL together to access and manipulate databases (chapter 9).

This learning outcome will comprise approximately 30% of the course.

Learning Objectives 4.

- connect to MySQL via PHP scripts



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- execute queries and retrieve query results
- secure a MySQL connection
- hide PHP error messages from the user
- validate user data
- count returned records
- update records with PHP

Course Outcome 5.

Demonstrate common PHP-MySQL programming techniques (chapter 10).

This learning outcome will comprise approximately 10% of the course.

Learning Objectives 5.

- send values to a script
- use hidden form inputs
- edit existing records
- paginate query results
- sort query results

Course Outcome 6.

Web application development using PHP (chapter 11).

This learning outcome will comprise approximately 5% of the course.

Learning Objectives 6.

- use PHP to send email
- handle file uploads through an HTML form, using PHP and JavaScript together
- use the header() function to manipulate the Web browser
- use date and time functions present in PHP

Course Outcome 7.



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Incorporate cookies, sessions and security methods (chapters 12 & 13).

This learning outcome will comprise approximately 10% of the course.

Learning Objectives 7.

- create login pages and functions
- use cookies and sessions
- improve session security
- prevent spam
- validate data and files by type
- prevent cross-site scripting (XSS) attacks
- use the filter extension
- prevent SQL injection attacks

Course Outcome 8.

Implement both a user registration and a shopping cart application (chapters 18 & 19).

This learning outcome will comprise approximately 20% of the course.

Learning Objectives 8.

- create templates and write configuration scripts
- create a home page for registration
- activate an account
- login and logout of an account
- manage passwords
- create both administrative and public interfaces
- create a product catalog
- create a shopping cart
- record orders

Date:

Friday, September 1, 2017

Please refer to the course outline addendum on the Learning Management System for further information.