Vanier College
Faculty of Continuing Education

Course Title	: **Web Database Project**	**Teacher**	: Samir Chebbine
Course #	: **420-988-VA**	**E-mail**	: Through Omnivox
Section	: 21002	**Semester**	: Aug 15 -Aug 26, 2022
Schedule	Monday 9:00 – 13:30	**Room**	: Online
	Tuesday 9:00 – 13:30		
	Wednesday 9:00 – 13:30		
	Thursday 9:00 – 13:30		
	Friday 9:00 – 13:30		

Course Objectives

1. Learn the fundamentals of server-side programming using PHP
2. Interact with server-side database using MySQL database.
3. Integrate with a web page that uses HTML/XHTML and CSS.
4. Plan, develop, and present a project.

Statement of Competencies

Description: To write applications involving databases, object-oriented programming, and web programming.

Specific elements of the competency	1. To develop object-oriented applications enabling access to the Internet 2. To develop object-oriented applications enabling access to existing databases 3. To develop object-oriented applications enabling access to both databases and the Internet 4. To write install procedures and HELP files to distribute with your application

Evaluation

Lab Reviews for Practice……..……..……	20%
Project Proposal……..19 Aug…..……	05%
Project Report ……..……...26 Aug ……..…….	25%
Project Functionality……...26 Aug …...…….	50%

10% per day will be deducted from late assignments. Students will be expected to answer questions pertaining to assignments being evaluated.

Course Topics

We plan to explore a subset of the following, as time allows

- Introduction to PHP
- Using variables
- PHP functions
- PHP Object Oriented Programming
- PHP Array
- Working with files
- Managing multiple form applications
- Using databases with PHP scripts

All tutorials, lab practices will be uploaded online to Omnivox. No lab will be accepted through email and/or MIO.

Teaching Methodology

Online class time will be divided between lectures and laboratory activities. Due to online accessibility and flexibility, the instructor will be using at the beginning asynchronous Omnivox to post online documents, and online Omnivox forums will be activated to maximize sharing questions and answers. The beginning of this block 3 will be supported by handful of customized YouTube videos with clear PHP projects easy to follow at student own pace; moreover, the instructor recorded lectures within these YouTube Videos. Appropriate synchronous teaching platforms such as Zoom, Microsoft Teams meeting, Skype or Google Hangouts Meet will be used as real-time interaction learning tool.

Lectures will be used to introduce new concepts and language elements, which are then further explored during hands-on activities. Lab periods allow students to work on assignments, solve PHP scripting exercises, and discuss sample programs.

The instructor is not expecting to transform each hour of classes indicated above into online. However, students are encouraged to be disciplined through online presence reading posted asynchronous online documents and practicing labs.

The instructor will be uploading regularly asynchronous online documents into Omnivox and students are responsible to follow instructions listed in given online documents and respect online deadline.

The instructor reserves the right to upload asynchronous online documents into Omnivox at any time (for example early morning, late afternoon, or evening). Students will be given enough time to ask questions, practice labs, absorb and grasp the appropriate online materials.

Marks Distribution & Tentative Schedule of Online Labs

To pass the course, students must obtain an average of 60% of the average shown in the above distribution. As a rule, no make-up assignment will be given except in the case of a medically necessary absence supported by a doctor's certificate clearly stating that the student was too ill to submit an assignment. 10% per day will be deducted from late assignments and no late assignment will be accepted after 3 days.

Textbook

PHP 6 fast & easy web development, Julie Meloni, Matt Telles, Course Technology. ISBN 1-59863-471-2

INTERNET ACADEMIC RESOURCES

1. http://www.w3schools.com/php/default.asp

College policies & Procedures

There is a set of College policies and procedures covering the rights and responsibilities of both faculty and students. These cover grade review, student-faculty mediation, sexual harassment, standing and advancement, cheating and plagiarism, absences for religious holidays. Note that students who observe religious holidays during the semester must inform the instructor, in writing, before the end of the first day of online class. Consult *Religious Holy Day Absences (see IPESA, Section 2.2.6)*. It is your responsibility to be aware of the various policies and procedures governing your rights and obligations while you are attending Vanier College. Consult *Student Academic Complaints (see 7210-8), Code of Conduct: http://www.vaniercollege.qc.ca/bylaws-policies-procedures/code-of-conduct/*

, *Student Proficiency in the Language of Instruction (see 7210-33)* and as well as any teacher or course-specific rules/guidelines that students should adhere to (see Appendix 2).

Respecting Privacy during Synchronous Online Classes

The instructor might proceed for recording student's image and voice in the context of online synchronous lectures or labs class (if any) (students will be asked for their permission and agreement through form or MIO). The recording will only be available to other students in the group through (LEA 420-988-VA MEQ 44 Block 3) and will be deleted once the block has ended.

Respecting Intellectual Property Rights in Online Classes

Any material produced as part of the course (420-988-VA, section 21002 MEQ 44), including, but not limited to, any pre-recorded or live video is protected by copyright, intellectual property rights and image rights, regardless of the medium used. It is strictly forbidden to record, copy, redistribute, reproduce, republish, store in any way, retransmit or modify this material. Any contravention of these conditions of use may be subject to sanction(s) by the College under the Code of Conduct.

Classroom and lab rules of conduct:

An important objective of this course is to develop the ability to work in a business environment. As a result, particular attention will be paid to the manner in which students comport themselves.

- Be respectful to your instructor and fellow classmates at all times.
- Be present online every day to read, upload and download Omnivox documents online.
- Keep working on your Labs and Assignments until the end of the online deadline.
- Students are encouraged to be disciplined through online presence reading online documents and practicing labs.
- Cell phones and pagers must be turned off during online synchronous lectures or labs class (if any).
- As a courtesy, do not talk, use a computer, or be distracted by the surrounding while the instructor is talking to the online synchronous class audience (if any) or when a student is asking a question which pertains to the online class.
- Do not raise your voice when talking to each other and when other fellow classmates are following online synchronous lectures or online labs class (if any).
- Do not play video Games during online synchronous lectures or online labs class (if any).
- Do not "surf" the Web during online synchronous lectures or labs class (if any), unless directed to by your instructor.
- You are encouraged to work with other students to solve problems. However, you must complete your own assignments.
- Be punctual, if exceptionally, you arrive late or need to leave online synchronous class (if any), do so discretely.

Cheating & Plagiarism

Any form of cheating or plagiarism will result in a grade zero for that exam or assignment, and a letter from the course teacher will be placed in your file. A repeated offence may lead to

more serious consequences. Consult *The Vanier Student Writing Guide, the Vanier Catalogue, The Student Handbook, Cheating and Plagiarism (see 7210-31), Student Misconduct in the Classroom (7210-19)* and your teacher for more information.

Course Project

This project course is the culmination of the Web and Database Programming program. During these two weeks, you will plan and implement a web database application using PHP, MySQL as back-end database. Online lectures covering PHP will be given only during the first week of class. The project must be small enough so that it can be completed by the end of the course.

The project proposal is due at the end of the first day, and the others on the last day of class.

Project Proposal

- Complete the ***Font-end*** Web Programming course project by adding ***Back-end*** PHP programs and Database. The system will allow a log into the system as *end user* and *admin*. The a project must contain the following:
    - Inserting,
    - Deleting, and
    - Updating data in a database, as well as
    - Search Query for Product search for example.
    - Querying the database for output data
    - Login and Logout for managing users' session.
- Outline of the project
    - Purpose (why is it being developed?)
    - Applicability (who will use the system, and how will they benefit?), and
    - Goal (what functionality do you want to develop? Describe at least two business processes to be implemented.
- Describe
    - The data to be entered and retrieved by the user,
    - The entity relationship in your database schema,
    - The forms, and
    - The reports (if any).

Maximum **3 pages**

Project implementation: Different Web Site state of progress must be uploaded into Omnivox LEA. Upload Your Final Web Site into Omnivox on the last day of class.

Project report:

- Describe the project.
- State any differences between the system developed and the one described in the proposal
- The PHP design class and web site architecture.
- Include a User's Guide
- State the project's main functionality and any interesting things you learned during its development. What was surprisingly easy, hard, or fun?

Maximum **10 pages**