# OKANAGAN COLLEGE

## Computer Science 213 -01
### Web Development with LAMP
### Course Project Specifications
### Due date: Wednesday, December 7, 2022 (before midnight)

1.  You have a choice of creating a web site using LAMP platform **OR** creating a Drupal web site with your own idea.

2.  **For a project building a web site with LAMP, you have an option of pairing up with one of your fellow classmates for the project. In order to achieve an "A" grade (80%) or higher, your project requires**:
    - building the web site with Netbeans;
    -  login process for user authentication;
    - form inputs validation;
    - SSL-enabled site (self-signed SSL Certificate or trusted SSL Certificate);
    - a  database with multiple tables to support JOIN operations for different query operations;
    - logout process from the site;
    - CSS style sheets to make your web pages look good.
    - a special feature that you learned from other sources, courses or by doing some research yourself (one feature per student). For example, AJAX, JavaScript, JQuery, AngularJS, Bootstrap, etc.

    When you're done, please take screenshots to show the login page, home page with different query options, result pages from different query operations, your research feature(s) on the site and the logout page. Use *mysqldump* shell command to back up your database. Also create a text file (README.txt) to provide the following information:  Author(s) of the project, what features of your project work and what features do not work (including the research feature(s) and author of the research feature(s)). Then place all these screenshots, your database backup file, your Netbeans project folder and the README.txt file into your *cs213project* folder.

    **For a project building a new web site with Drupal, you need to work it out by yourself (i.e NO pairing up with one other student). In order to achieve an "A" grade (80%) or higher, your Drupal project requires:**
    - building from a new Drupal template package in one of your virtual host folders (e.g. vhost1) with **https** protocol support so that we can access to it using the URL like this, for example: https://vhost1.cosc.okc/cs213project
    - a customized theme with a banner display showing three meaningful good-looking banner images.
    - customized side bar(s) with good features like Navigation Menu, Weather, Map, Poll, and a customized block  of your choice. Provide at least three menu items for the Navigation Menu.
    - All pages/articles will show the social media **Share** as well as the **Print/Mail** buttons.
    - Provide four basic Main menu items: Home, Discussion Forum, About US and Contact US, plus two other Main menu items of your choice.
    - A feature (or module) that you learned from other sources or by doing some research yourself.
    - All contents being displayed on the site should be meaningful, no dummy content pages please!

When you're done, please take screen shots to show the home page, your customized block, Navigation menu items, your two other Main menu items, and your research feature(s). Also create a text file (README.txt) to provide the following information: Author of the project, what features of your project work and what features do not work (including the research feature(s)).

Then place all these screenshots and the README.txt file into your *cs213project* folder.

3. For those students on Friday's lab (**L03**), please come to join [Zoom Virtual Project Presentation Hall](#) to present your projects on **Friday, December 2$^{nd}$ from 2:00 pm to 4:00 pm** during the lab hours. For those students on Tuesday's lab (**L01**), please come to join [Zoom Virtual Project Presentation Hall](#) to present your projects during your regular lab time on **Tuesday, December 6$^{th}$ , 4:00 pm – 6:00 pm**. All other students on Thursday's lab (**L02**), please come to join [Zoom Virtual Project Presentation Hall](#) to present your projects during our regular lecture hours on **Tuesday, December 6$^{th}$ , 2:00 pm – 4:00 pm**. All students are welcome to join us during all three project presentation time periods in same Zoom virtual classroom. Note: *please don't miss your project presentation to your instructor or you'll lose 15% of your project mark automatically.*

4. After your project presentation, please compress your *cs213project* folder and submit it via Course Project link on our Moodle course page for grading by **Wednesday, December 7, 2022 (before midnight).**

Note: For those students who pairs up with a fellow classmate for their LAMP projects, you can submit only one copy of your project (with your name and your project partner's name in your README file).