Course Syllabus

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POINT LOMA 1902 NAZARENE UNIVERSITY	**Mathematical, Information and Computer Sciences department** **CSC 4012: Special Topics in Computer Science** **Number of Units: 2**
Fall 2021	

Meeting days: F	**Instructor title and name:** Dr. Lori Carter
Meeting times: 12:15-2:00 PM	**Phone:** 619-849-2352
Meeting location: RS 365	**Email:** lcarter@pointloma.edu
Final Exam: Wednesday 10:30 or Sometime Friday TBD	**Office location: RS 210** **I am available at these times for office hours:** M,W 8:30-9:30, 10:30-12:00 T,R 1:30-2:30

| | F 10:30-12:00 |
| | Please email me to set up a time via zoom or outside in person. |

PLNU Mission

To Teach ~ To Shape ~ To Send

Point Loma Nazarene University exists to provide higher education in a vital Christian community where minds are engaged and challenged, character is modeled and formed, and service is an expression of faith. Being of Wesleyan heritage, we strive to be a learning community where grace is foundational, truth is pursued, and holiness is a way of life.

Department Mission

The Mathematical, Information, and Computer Sciences department at Point Loma Nazarene University is committed to maintaining a curriculum that provides its students with the tools to be productive, the passion to continue learning, and Christian perspectives to provide a basis for making sound value judgments.

COURSE DESCRIPTION

Catalog: Study of an area of computer science not otherwise included in the curriculum. Topics are determined by the needs and interest of the students and faculty involved.

This semester we will be looking at programming and markup languages used for front-end development. Specifically, we will be considering the practical and theoretical aspects of HTML, CSS, JavaScript, and React. In addition to learning and applying the features of the languages, we will be comparing the features to other known languages, and discussing the design choices of the language creators.

Labs: There will be approximately eight programming assignments. Each will be due on the Thursday before class. You may work on an assignment with one other person. If you choose to do that, make sure that both names are on the assignment. Labs are due before midnight on Thursdays. There is a grace period until noon on Friday where you will be allowed to complete the assignment for up to 80% of the points.

Lab tips: Each week that you have a lab due, a "lab tip" will also be due. This will be a short explanation of something that you learned in the process of completing your lab. It could be a new feature of the language being used, a new editing tip, a helpful way of debugging, or some other problem for which you found a solution that you think is worth sharing with the class. In addition to submitting in on Canvas,

you will be asked to explain it to the class. If you are working as a pair, you may have the same tip. The two lowest tip grades will be dropped.

Quizzes: In addition to the midterm and final, there will be 2 quizzes. These will be practical in nature (writing or describing code), and will reflect knowledge gained since the last exam.

Midterm: The midterm is scheduled for 10/15 and will cover HTML, CSS, and JavaScript. It will be about 80% practical (coding) and 20% conceptual.

Final: The final exam will be cumulative. It will be about 80% practical (coding) and 20% conceptual. It is tentatively scheduled for Wednesday at 10:30.

Failure to take a quiz, midterm, or final by the designated time will likely result in a 0. If you know that you need to miss one of these for a school event, please discuss it with me and we can arrange for you to take it in advance.

COURSE LEARNING OUTCOMES

- You will learn to create webpages using basic and intermediate HTML features
- You will learn to use CSS internal to the HTML and as a separate file for adding styles to a webpage
- You will learn to embed JavaScript into a webpage for increased functionality
- You will learn the basics of the React language including coding features and advantages with regard to speed and code reuse.

REQUIRED TEXTS AND RECOMMENDED STUDY RESOURCES

There are no required texts. W3 Schools tutorials may be helpful

COURSE CREDIT HOUR INFORMATION

In the interest of providing sufficient time to accomplish the stated Course Learning Outcomes, this class meets the PLNU credit hour policy for a 2 unit class delivered over 15 weeks. It is anticipated that students will spend a minimum of 37.5 participation hours per credit hour on their coursework. For this course, students will spend an estimated 75 total hours meeting the course learning outcomes.

ASSESSMENT AND GRADING

Points for grades will be distributed as follows:

Labs   30%

Lab tips   5%

Quizzes   20%

Midterm   20%

Final   25%

Final grades will be based on the following:

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

STATE AUTHORIZATION

State authorization is a formal determination by a state that Point Loma Nazarene University is approved to conduct activities regulated by that state. In certain states outside California, Point Loma Nazarene University is not authorized to enroll online (distance education) students. If a student moves to another state after admission to the program and/or enrollment in an online course, continuation within the program and/or course will depend on whether Point Loma Nazarene University is authorized to offer distance education courses in that state. It is the student's responsibility to notify the institution of any change in his or her physical location. Refer to the map on **State Authorization (https://www.pointloma.edu/offices/office-institutional-effectiveness-research/disclosures)** to view which states allow online (distance education) outside of California.

INCOMPLETES AND LATE ASSIGNMENTS

Assignments are due before midnight on Thursdays. There is a grace period until noon on Friday where you will be allowed to complete the assignment for up to 80% of the points. After that late work is not accepted unless there is a documented and clear emergency.

Incompletes will only be assigned in extremely unusual circumstances.

PLNU COPYRIGHT POLICY

Point Loma Nazarene University, as a non-profit educational institution, is entitled by law to use materials protected by the US Copyright Act for classroom education. Any use of those materials outside the class may violate the law.

PLNU ACADEMIC HONESTY POLICY

Students should demonstrate academic honesty by doing original work and by giving appropriate credit to the ideas of others. Academic dishonesty is the act of presenting information, ideas, and/or concepts as one's own when in reality they are the results of another person's creativity and effort. A faculty member who believes a situation involving academic dishonesty has been detected may assign a failing grade for that assignment or examination, or, depending on the seriousness of the offense, for the course. Faculty should follow and students may appeal using the procedure in the university Catalog. See **Academic Policies (https://catalog.pointloma.edu/content.php?catoid=52&navoid=2919#Academic_Honesty)** for definitions of kinds of academic dishonesty and for further policy information.

PLNU ACADEMIC ACCOMMODATIONS POLICY

PLNU is committed to providing equal opportunity for participation in all its programs, services, and activities. Students with disabilities may request course-related accommodations by contacting the Educational Access Center (EAC), located in the Bond Academic Center (**EAC@pointloma.edu (mailto:EAC@pointloma.edu)** or 619-849-2486). Once a student's eligibility for an accommodation has been determined, the EAC will issue an academic accommodation plan ("AP") to all faculty who teach courses in which the student is enrolled each semester.

PLNU highly recommends that students speak with their professors during the first two weeks of each semester/term about the implementation of their AP in that particular course and/or if they do not wish to utilize some or all of the elements of their AP in that course.

Students who need accommodations for a disability should contact the EAC as early as possible (i.e., ideally before the beginning of the semester) to assure appropriate accommodations can be provided. It is the student's responsibility to make the first contact with the EAC.

PLNU ATTENDANCE AND PARTICIPATION POLICY

Regular and punctual attendance at all class sessions is considered essential to optimum academic achievement. If the student is absent for more than 10 percent of class sessions, the faculty member will issue a written warning of de-enrollment. If the absences exceed 20 percent, the student may be de-enrolled without notice until the university drop date or, after that date, receive the appropriate grade for their work and participation.

FINAL EXAM DATE AND TIME

The final exam date and time is set by the university at the beginning of the semester and may not be changed by the instructor. This schedule can be found on the university website and in th course calendar. No requests for early examinations will be approved. Only in

the case that a student is required to take three exams during the same day of finals week, is an instructor authorized to consider changing the exam date and time for that particular student.

CLASS ENROLLMENT:

It is the student's responsibility to maintain his/her class schedule. Should the need arise to drop this course (personal emergencies, poor performance, etc.), the student has the responsibility to follow through (provided the drop date meets the stated calendar deadline established by the university), not the instructor. Simply ceasing to attend this course or failing to follow through to arrange for a change of registration (drop/add) may easily result in a grade of F on the official transcript.

SPIRITUAL CARE

Please be aware PLNU strives to be a place where you grow as whole persons. To this end, we provide resources for our students to encounter God and grow in their Christian faith.

 If students have questions, a desire to meet with the chaplain or have prayer requests you can contact the Office of Spiritual Development.

Expected schedule

Week	Date	Content (Friday 12:15-2:05)
1	Sep 3	Intro to class, Intro to static HTML Homework: HTML lab 1
2	10	Dynamic HTML, CSS files HTML lab 2
3	17	**HTML Quiz**

		Build the Tic Tac Toe framework in HTML and CSS HTML/CSS lab 3
4	24	Intro to JavaScript JavaScript lab 1
5	Oct 1	More JavaScript JavaScript lab 2
6	8	More JavaScript JavaScript lab 3
7	15	**Exam** Building interactive game with levels
8	22 Fall Break	Continue working on game
9	29	Beginning React React lab 1
10	Nov 5	More React React lab 2
11	12	**React Quiz**

12	19	More React React lab 3
13	26	Thanksgiving break
14	Dec 3	More React React lab 4
15	10	Review features of languages
finals		Final exam – Wednesday at 10:30?

Course Summary:

Date	Details	Due
Thu Sep 9, 2021	📝 **Lab 1 First HTML** **(https://canvas.pointloma.edu/courses/57957/assignments/687942)**	due by 11:59pm
	📝 **Lab tip 1** **(https://canvas.pointloma.edu/courses/57957/assignments/689011)**	due by 11:59pm
Thu Sep 16, 2021	📝 **HTML lab 2** **(https://canvas.pointloma.edu/courses/57957/assignments/689034)**	due by 11:59pm
	📝 **Lab tip 2** **(https://canvas.pointloma.edu/courses/57957/assignments/689014)**	due by 11:59pm

Date	Details	Due
Fri Sep 17, 2021	📝 **Quiz 1** **(https://canvas.pointloma.edu/courses/57957/assignments/689028)**	due by 12:45pm
Thu Sep 23, 2021	📝 **HTML/CSS lab** **(https://canvas.pointloma.edu/courses/57957/assignments/693839)**	due by 11:59pm
	📝 **Lab tip 3** **(https://canvas.pointloma.edu/courses/57957/assignments/689013)**	due by 11:59pm
	📝 **Lab tip 3** **(https://canvas.pointloma.edu/courses/57957/assignments/693838)**	due by 11:59pm
Thu Sep 30, 2021	📝 **Lab tip 4** **(https://canvas.pointloma.edu/courses/57957/assignments/712700)**	due by 11:59pm
	📝 **Tic Tac Toe Lab** **(https://canvas.pointloma.edu/courses/57957/assignments/712699)**	due by 11:59pm