


Course Syllabus

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 <p>POINT LOMA NAZARENE UNIVERSITY</p>	<p>Department of Mathematical, Information, and Computer Sciences</p> <p>CSC 1011: Computer Programming for Absolute Beginners</p> <p>Number of Units: 1</p>
<p style="text-align: center;">Spring 2021 J Term</p> <p style="text-align: center;">January 11- February 12</p>	

Meeting days: TR	Instructor: Dr. Lori Carter
Meeting times: 10:00-10:50	Phone: 619-849-2352
Meeting location: Zoom	Email: loricarter@pointloma.edu
Office Hours Zoom:	Office hours: by appointment on Zoom

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.

HEALTH AND SAFETY UPDATE

It is expected that all students will abide by the health and safety standards set by the university. Here is a link to the most current [Health and Safety Guidelines. \(https://www.pointloma.edu/coronavirus-covid-19-information\)](https://www.pointloma.edu/coronavirus-covid-19-information)

COURSE DESCRIPTION

A gentle introduction to computer programming/scripting in the Python language for those with no prior programming experience. Topics include the use/purpose of programming in the context of different academic disciplines along with the basics of writing code. Students will learn to write simple programs using input and output, conditional statements, loops, and graphics. This class is for anyone who wants to join the coding conversation or to gain a background for more rigorous programming courses.

COURSE ORGANIZATION

Lectures/Classwork: Most classes will begin with a brief introduction to the lesson that day. Any related PowerPoint slides will be posted on Canvas. After the lecture, you will be sent to breakout rooms to work on an exercise with your group. Up to five participation points will be awarded for each day of attendance. If you are not able to participate for the whole time period, you may get less than 5.

Homework: Homework will consist of working through the tutorials in the book along with any questions assigned for the day. Homework is due to be posted on Canvas before midnight on the day before the next class period. To be clear, there will be a set of homework due each Wednesday night and Monday night. For the programs you are required to write, you will embed a link to your Trinket. I do not accept late work except in the case of a documented emergency, but I will drop your lowest assignment. Assignments do not have to be complete to be turned in. Partial credit is awarded.

Final Project: Your final project is a larger program due 2/10 before midnight. It is not a part of the regular homework, and cannot be dropped. Failure to turn in this assignment will result in a 0. Partial credit will be given for incomplete assignments turned in on time.

Quizzes: There will be written quizzes on Tuesday of weeks 2-4 (see schedule). These will contain questions about code and what you read about programming in the book during the previous week. Written quizzes are closed book and will be taken on Canvas. Doing your own work on completing the homework will help to prepare you for these. You will have a programming quiz on Thursday, January 28 where you will be asked to write a program without any help from a person. You will be allowed, however, to use the book, any notes, and any previous programs. Quizzes cannot be made up, but I will drop the lowest quiz. For a missed quiz, the first one will be dropped, and subsequent missed quizzes will receive a 0.

Final Exam: The final exam is scheduled the last day of class (February 11) and will cover everything discussed during the quad. It will be a written final exam composed of short answer questions. You may

or may not be asked to write a program, but you will at least be asked to trace a program and determine what it does. You may be asked to find errors in the program, or alter it in some way. Missing the final exam except in the case of a documented emergency will likely result in a 0 for the exam.

COURSE LEARNING OUTCOMES

- Students will understand what computer programming is.
- Students will be able to apply their technical knowledge to solve problems.

REQUIRED TEXTS AND RECOMMENDED STUDY RESOURCES

Computer Programming...Simply: A Brief Introduction to Computer Programming in Plain English.
Carter. Amazon LLC. (Text will be provided in PDF format)

Additional requirement: Computer with keyboard

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 1 unit class delivered over 5 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 37.5 total hours meeting the course learning outcomes. Time estimations for each part of the course are as follows:

Activity	Hours
Class: lectures, group exercises, quizzes, exams	10
Reading	10
Completing homework	10
Studying for exams and quizzes	7.5
Total	37.5

ASSESSMENT AND GRADING

Student grades will be posted in the Canvas grade book no later than midnight on Tuesday of each week beginning in Week Two of this course. It is important to read the comments posted in the grade book as these comments are intended to help students improve their work. Final grades will be posted within one week of the end of the class. Grades will be based on the following:

Homework	30%
Quizzes	30%

Participation	8%
Final Program	7%
Final Exam	25%

Grade Scale Based on Percentages

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

INCOMPLETES AND LATE ASSIGNMENTS

In general, late assignments are not accepted. In the case of quizzes and homework assignments, the lowest score will be dropped. Partial credit is available on assignments turned in on time. 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 \(http://catalog.pointloma.edu/content.php?catoid=18&navoid=1278\)](http://catalog.pointloma.edu/content.php?catoid=18&navoid=1278) for definitions of kinds of academic dishonesty and for further policy information.

PLNU ACADEMIC ACCOMMODATIONS POLICY

While all students are expected to meet the minimum standards for completion of this course as established by the instructor, students with disabilities may require academic adjustments, modifications or auxiliary aids/services. At Point Loma Nazarene University (PLNU), these students are requested to register with the Disability Resource Center (DRC), located in the Bond Academic Center.

(DRC@pointloma.edu (<mailto:DRC@pointloma.edu>) or 619-849-2486). The DRC's policies and procedures for assisting such students in the development of an appropriate academic adjustment plan (AP) allows PLNU to comply with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act. Section 504 (a) prohibits discrimination against students with special needs and guarantees all qualified students equal access to and benefits of PLNU programs and activities. After the student files the required documentation, the DRC, in conjunction with the student, will develop an AP to meet that student's specific learning needs. The DRC will thereafter email the student's AP to all faculty who teach courses in which the student is enrolled each semester. The AP must be implemented in all such courses.

If students do not wish to avail themselves of some or all of the elements of their AP in a particular course, it is the responsibility of those students to notify their professor in that course. PLNU highly recommends that DRC students speak with their professors during the first two weeks of each semester about the applicability of their AP in that particular course and/or if they do not desire to take advantage of some or all of the elements of their AP in that course.

PLNU ATTENDANCE AND PARTICIPATION POLICY

Regular and punctual attendance at all **synchronous** class sessions is considered essential to optimum academic achievement. If the student is absent for more than 10 percent of class sessions (virtual or face-to-face), 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. In some courses, a portion of the credit hour content will be delivered **asynchronously** and attendance will be determined by submitting the assignments by the posted due dates. See [Academic Policies](#) (https://catalog.pointloma.edu/content.php?catoid=46&navoid=2650#Class_Attendance) in the Undergraduate Academic Catalog. If absences exceed these limits but are due to university excused health issues, an exception will be granted.

Asynchronous Attendance/Participation Definition

A day of attendance in asynchronous content is determined as contributing a substantive note, assignment, discussion, or submission by the posted due date. Failure to meet these standards will result in an absence for that day. Instructors will determine how many asynchronous attendance days are required each week.

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](https://www.pointloma.edu/offices/spiritual-development) (<https://www.pointloma.edu/offices/spiritual-development>)



USE OF TECHNOLOGY











Since most courses will have online components, in order to be successful in the online environment, you'll need to meet the minimum technology and system requirements; please refer to the [Technology and System Requirements](https://help.pointloma.edu/TDClient/1808/Portal/KB/ArticleDet?ID=108349) (<https://help.pointloma.edu/TDClient/1808/Portal/KB/ArticleDet?ID=108349>) information. Additionally, students are required to have headphone speakers compatible with their computer available to use. If a student is in need of technological resources please contact student-tech-request@pointloma.edu (<mailto:student-tech-request@pointloma.edu>).










Problems with technology do not relieve you of the responsibility of participating, turning in your assignments, or completing your class work.

Course Summary:

Date	Details	
Tue Jan 12, 2021	 CSC1011-1SM SP21 - Computer Programming for the Absolute Beginner https://canvas.pointloma.edu/calendar?event_id=71701&include_contexts=course_54361	10am to 11am
	 WK1 Tuesday Zoom Session Agenda 10:00 a.m. https://canvas.pointloma.edu/courses/54361/assignments/592466	due by 10am
Wed Jan 13, 2021	 WK1 Homework 1 https://canvas.pointloma.edu/courses/54361/assignments/592770	due by 11:59pm
Thu Jan 14, 2021	 CSC1011-1SM SP21 - Computer Programming for the Absolute Beginner https://canvas.pointloma.edu/calendar?event_id=71702&include_contexts=course_54361	10am to 11am
	 WK1 Thursday Zoom Session Agenda 10:00 a.m. https://canvas.pointloma.edu/courses/54361/assignments/592771	due by 10am

Date	Details	
Fri Jan 15, 2021	 How to write the Python Program MadLibs using Trinket - video	to do: 11:59pm
Mon Jan 18, 2021	 WK1 Homework 2 https://canvas.pointloma.edu/courses/54361/assignments/593109	due by 11:59pm
Tue Jan 19, 2021	 CSC1011-1SM SP21 - Computer Programming for the Absolute Beginner https://canvas.pointloma.edu/calendar?event_id=71703&include_contexts=course_54361	10am to 11am
Tue Jan 19, 2021	 WK2 Tuesday Zoom Session Agenda 10:00 a.m. https://canvas.pointloma.edu/courses/54361/assignments/592467	due by 10am
Tue Jan 19, 2021	 Quiz 1 - join zoom session to get access code https://canvas.pointloma.edu/courses/54361/assignments/592865	due by 10:15am
Wed Jan 20, 2021	 WK2 Homework 1 https://canvas.pointloma.edu/courses/54361/assignments/593287	due by 11:59pm
Thu Jan 21, 2021	 CSC1011-1SM SP21 - Computer Programming for the Absolute Beginner https://canvas.pointloma.edu/calendar?event_id=71704&include_contexts=course_54361	10am to 11am
Thu Jan 21, 2021	 WK2 Thursday Zoom Session Agenda 10:00 a.m. https://canvas.pointloma.edu/courses/54361/assignments/592772	due by 10am
Thu Jan 21, 2021	 WK2 Thursday Zoom Session Agenda 10:00 a.m. Copy https://canvas.pointloma.edu/courses/54361/assignments/593291	due by 10am
Mon Jan 25, 2021	 WK2 Homework 2 https://canvas.pointloma.edu/courses/54361/assignments/593288	due by 11:59pm

Date	Details	
Tue Jan 26, 2021	 CSC1011-1SM SP21 - Computer Programming for the Absolute Beginner (https://canvas.pointloma.edu/calendar?event_id=71705&include_contexts=course_54361)	10am to 11am
	 WK3 Tuesday Zoom Session Agenda 10:00 a.m. (https://canvas.pointloma.edu/courses/54361/assignments/592468)	due by 10am
	 Quiz 2 (https://canvas.pointloma.edu/courses/54361/assignments/593297)	due by 10:15am
Wed Jan 27, 2021	 WK3 Homework 1 (https://canvas.pointloma.edu/courses/54361/assignments/593289)	due by 11:59pm
Thu Jan 28, 2021	 CSC1011-1SM SP21 - Computer Programming for the Absolute Beginner (https://canvas.pointloma.edu/calendar?event_id=71706&include_contexts=course_54361)	10am to 11am
	 WK3 Thursday Zoom Session Agenda 10:00 a.m. (https://canvas.pointloma.edu/courses/54361/assignments/592773)	due by 10am
	 Programming quiz (https://canvas.pointloma.edu/courses/54361/assignments/593300)	due by 10:23am
Mon Feb 1, 2021	 WK3 Homework 2 (https://canvas.pointloma.edu/courses/54361/assignments/593292)	due by 11:59pm
Tue Feb 2, 2021	 CSC1011-1SM SP21 - Computer Programming for the Absolute Beginner (https://canvas.pointloma.edu/calendar?event_id=71707&include_contexts=course_54361)	10am to 11am
	 WK4 Tuesday Zoom Session Agenda 10:00 a.m. (https://canvas.pointloma.edu/courses/54361/assignments/592469)	due by 10am

Date	Details	
Wed Feb 3, 2021	 Quiz 3 https://canvas.pointloma.edu/courses/54361/assignments/593299	due by 10:15am
Thu Feb 4, 2021	 WK4 Homework 1 https://canvas.pointloma.edu/courses/54361/assignments/593293	due by 11:59pm
Thu Feb 4, 2021	 CSC1011-1SM SP21 - Computer Programming for the Absolute Beginner https://canvas.pointloma.edu/calendar?event_id=71708&include_contexts=course_54361	10am to 11am
Mon Feb 8, 2021	 WK4 Thursday Zoom Session Agenda 10:00 a.m. https://canvas.pointloma.edu/courses/54361/assignments/592774	due by 10am
Mon Feb 8, 2021	 WK4 Homework 2 https://canvas.pointloma.edu/courses/54361/assignments/593294	due by 11:59pm
Tue Feb 9, 2021	 CSC1011-1SM SP21 - Computer Programming for the Absolute Beginner https://canvas.pointloma.edu/calendar?event_id=71709&include_contexts=course_54361	10am to 11am
Tue Feb 9, 2021	 WK5 Tuesday Zoom Session Agenda 10:00 a.m. https://canvas.pointloma.edu/courses/54361/assignments/592470	due by 10am
Wed Feb 10, 2021	 WK4 Final Programming Assignment https://canvas.pointloma.edu/courses/54361/assignments/593296	due by 11:59pm
Thu Feb 11, 2021	 CSC1011-1SM SP21 - Computer Programming for the Absolute Beginner https://canvas.pointloma.edu/calendar?event_id=71710&include_contexts=course_54361	10am to 11am
Thu Feb 11, 2021	 WK5 Thursday Zoom Session Agenda 10:00 a.m. https://canvas.pointloma.edu/courses/54361/assignments/592775	due by 10am

Date

Details



Final Exam - Thursday

<https://canvas.pointloma.edu/courses/54361/assignments/593302>

due by 10:55am