SRS_CIT-591-001 2019C   Syllabus

2019C (Fall 2019)

Course Syllabus

Learning Objectives and Overview[

This course is an introduction to fundamental concepts of programming and computer science. The course starts off with an introduction to modern programming languages and aspects such as basic data types, loops, and conditionals. The course will cover features of Object-Oriented programming languages including objects and classes, inheritance, and interfaces. We will cover fundamental data structures as well as software development, software problem solving, software testing and debugging.

Prerequisites and Co-requisites[

No prerequisites

Student Computer[

Because of the heavy reliance on online materials, all students are required to have a computer to use. All software in the class is multi-platform, so Windows, Mac, and Linux systems are accommodated. However, students will need to be able to install software onto their computers. Therefore, more limited devices like Chromebooks and tablets (e.g., iPads, Fire) may not be acceptable.

Cellphones are only allowed to answer interactive polls.

Texts and Materials[

Introduction to Programming in Java   - Robert Sedgewick, Kevin Wayne

The course will use GradeScope   to grade all programming assignments (recitation and homework).

Ask questions on Piazza   .

Grading!

Student performance in the course will be evaluated according to the weights in the following table.

Assignment	Percent	Evaluation
Homework	50%	There will be seven homework assignments. This work is evaluated based on correctness and credible effort to complete each assignment. For best learning homework should be completed by the Due date shown on each assignment. There will be a penalty for late submissions. -20% grade penalty for any submission within 48hrs after the due date No submissions after 48 hrs
Exams	30%	There will be three in-class exams. The exams are closed-book. There is no final exam in this course
Recitations	6%	This work is evaluated by correctness and credible effort to complete recitations worksheets. Unless otherwise stated, recitation exercises are due Fridays at 5 p.m. Late submissions can only

		earn points for attendance.
Reading Quizzes	14%	This work is evaluated by correctness and credible effort to demonstrate understanding of the required readings. Each reading quiz must be completed before the Due date shown on each assignment.

Students with Disabilities

If you have a disability for which you are or may be requesting accommodations, please contact both your professor and the Office of Student Disabilities Services as early as possible in the semester.

The Office of Student Disabilities Services is available to assist faculty, academic support staff, and students in reaching a joint determination of academic accommodations, where needed.

Weingarten Learning Resources Center
Office of Learning Resources
Office of Student Disabilities Services

3702 Spruce Street, Suite 300
(Stouffer Commons)
Philadelphia, PA 19104-6027

Academic Integrity

Submitted homework must be your individual work.

It is Not OK to:

- Copying or otherwise looking at someone elseÕs code
- Sharing your code in any way (copy-paste, github, paper and pencil, É)
- Using code from a previous semester

Course staff *will* check for copying. We will use plagiarism detection tools on your code.

It is OK (and encouraged!) to:

- Discussions of concepts

- Discussion of debugging strategies
- Verbally sharing experience

For more information refer to PennÕs code of academic integrity:
http://www.upenn.edu/academicintegrity/ai_codeofacademicintegrity.html

Course Summary:

Date	Details	
Mon Sep 9, 2019	☐ Data Types Quiz	due by 11:59pm
Mon Sep 16, 2019	☐ Decisionals (if) Quiz	due by 11:59pm
	☐ Decisionals (switch) Quiz	due by 11:59pm
	☐ Functions Quiz	due by 11:59pm
	☐ HW1 - Traffic Signs	due by 11:59pm
Mon Sep 23, 2019	☐ HW2 - Benford's Law	due by 11:59pm
	☐ Iterations (for loop) quiz	due by 11:59pm
	☐ Iterations (while/do…while) quiz	due by 11:59pm
Thu Sep 26, 2019	☐ Midterm1	due by 4:30pm
Mon Oct 7, 2019	☐ Array Quiz	due by 11:59pm
	☐ HW3 - Moving Agents	due by 11:59pm
Mon Oct 21, 2019	☐ HW4 - Recursion	due by 11:59pm
	☐ Recursion quiz	due by 11:59pm
Thu Oct 24, 2019	☐ Midterm 2	due by 4:30pm
Mon Nov 11, 2019	☐ OOP Quiz	due by 11:59pm

Mon Nov 25, 2019	☐ Pointers Quiz	due by 11:59pm
	☐ Testing Quiz	due by 11:59pm
Thu Dec 5, 2019	☐ Midterm 3	due by 4:30pm
Mon Dec 9, 2019	☐ HW7 - Multimap (linked nodes)	due by 11:59pm
Fri Dec 13, 2019	☐ Linear DS Quiz	due by 11:59pm
	☐ ExceptionalBankAccount	
	☐ HW 6 - Evil Hangman	
	☐ HW5 - MineSweeper	
	☐ Recitation (Animals)	
	☐ Recitation (IBankAccount)	
	☐ Recitation (Implement Stack)	
	☐ Recitation (LinkedList toString())	
	☐ Recitation 2	
	☐ Recitation 3	
	☐ Recitation 4	
	☐ Recitation 5	