

CSC 115: Introduction to Computer Programming Concepts Fall 2016

Instructor	Payman Khani	Email	Pkhani@csudh.edu
Classroom	SCC-800	Class Time	MW 4-5:15PM
Office	SAC 1115	Office Hours	MW 5:15 - 5:45PM
Phone	Ext.3565	URL	http://csc.csudh.edu

COURSE DESCRIPTION:

This course aims to help students learn general programming topics, structured programming principles, and how to use basic tools, strategies and algorithms to solve actual programs. Topics include basic terminology, hierarchy chart, flowcharts and pseudocode, selection structures, compound conditions, iteration structures, tables, data validation, file processing, and simple searching, swapping and sorting algorithms. Other topics might be added and covered depending on the progress of the course.

PRE-REQUISITE: None

TEXTBOOKS:

Logic and Design of Computer Programs (1st Edition) Authors: Jim Messinger
Publisher: Pearson
ISBN-10: 1576761304 ISBN-13: 978-1576761304

COURSE GOALS and OUTCOMES:

- Be familiar with the general programming topics, structured programming principles.
- Be able to use basic tools, strategies and algorithms to solve actual programs.
- Be able to read and write Hierarchy charts, flowcharts and pseudocode.
- Build a solid foundation for further study in computer science/technology.
- Getting familiar with Matlab language and environment.
- Knowing how characters and numbers are represented in a computer

FINAL EXAM:

4:00 PM - 6:00 PM, Monday, Dec. 12 (subject to change).

COURSE POLICIES: (subject to change):

- You are expected to attend all lecture classes, read and study the lecture text book, review the course lecture notes, and contribute to class discussions.
- No makeup will be given to the quiz, test and final exam. As for the homework, you can

still submit your homework after the deadline before posting the answers. However, the late you submit your homework, the less possible points you will get. If you submit your homework within the 12 hours after the deadline, the points you will get is 90% * your total points out of the full points; if you submit your homework within the next 12 hours, the points you will get is 80% * your total points out of the full points, and so on. The hard deadline is 48 hours after the deadline. After that time, no points will be given. Students are allowed to discuss the homework with other students. However, each student should finish the homework on his/her own.

- Attendance will be checked randomly.
- There might be bonus questions/points in the quiz/test/exam/class and for attendance.
- All electronic devices must be turned off or turned to silent mode when inside the classroom. Please do not surf the Internet in the computer lab. Food and drinks are not allowed in the computer lab.

GRADING:

Attendance: 10%, Quiz: 15%, Homework: 25%, Tests: 20%, Final Exam: 30% (subject to change).

GRADING SCALE (subject to change)

Score Range	Grade	Score Range	Grade	Score Range	Grade
96-100	A	90-95	A-	87-89	B+
83-86	B	80-82	B-	77-79	C+
73-76	C	70-72	C-	67-69	D+
63-66	D	60-62	D-	Below 60	F

COURSE OUTLINE AND SCHEDULE (subject to change)

Week	Topic and Chapter
1,2	Introduction and Terminology (Ch. 1), HW review, Quiz and Quiz review
3,4	Structured Design & Hierarchy Chart (Ch. 2), HW review, Quiz and Quiz review
5,6	Flowcharts, Pseudocode & Seq. Structure (Ch.3), HW review, Quiz and Quiz review
7,8	Selection/Decision Structure (Ch. 4), HW review, Quiz and Quiz review
9,10	Compound Conditions (Ch. 5), HW review, Midterm and Midterm review
11,12	Iteration Structure (Ch. 6), HW review, Quiz and Quiz review
13	Matlab language and environment (including array(table) usage)
14	Characters and numbers representation in a computer
15	Buffer Week & Final Exam Review

COMPUTER INFORMATION LITERACY EXPECTATIONS

It is expected that students will:

1. Use Microsoft Word for word processing unless otherwise approved by the instructor,
2. Be familiar with using email as a communication tool and check your official campus email account at least every other day;
3. Be able to access websites and online course materials which may require Flash and other plug-ins;
4. Use the library databases to find articles, journals, books, databases and other materials;
5. Be able to create an effective PowerPoint presentation;
6. Be able to record audio (ideally video) to share with the instructor via the web; and
7. Have regular access to a computer and internet access for the term of this course.

AMERICANS WITH DISABILITIES ACT

CSUDH adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with temporary and permanent disabilities. If you have a disability that may adversely affect your work in this class, I encourage you to register with Disabled Student Services (DSS) and to talk with me about how I can best help you. All disclosures of disabilities will be kept strictly confidential. NOTE: no accommodation can be made until you register with the DSS. For information call (310) 243-3660 or to use the Telecommunications Device for the Deaf, call (310) 243-2028 or go to: <http://www4.csudh.edu/dss/>

ACADEMIC INTEGRITY

Academic integrity is of central importance in this and every other course at CSUDH. You are obliged to consult the appropriate sections of the University Catalog and obey all rules and regulations imposed by the University relevant to its lawful missions, processes, and functions. All work turned in by a student for a grade must be the students' own work. Plagiarism and cheating (e.g. stealing or copying the work of others and turning it in as your own) will not be tolerated, and will be dealt with according to University policy. The consequences for being caught plagiarizing or cheating range from a minimum of a zero grade for the work you plagiarized or cheated on, to being dropped from the course.

BEHAVIORAL STANDARDS

Behavior that persistently or grossly interferes with classroom activities is considered disruptive behavior and may be subject to disciplinary action. Such behavior inhibits other students' ability to learn and an instructor's ability to teach. The instructor may require a student responsible for disruptive behavior to leave class pending discussion and resolution of the problem and may also report a disruptive student to the Student Affairs Office (WH A-410, 310-243-3784) for disciplinary action.