

CIS 1057

Computer Programming in C

Instructor:

Karl Morris

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Office hours: T R 12:30 PM – 1:50 PM, By Appointment

Textbook:

Problem Solving and Program Design in C, 8th Edition

Course Meeting Times:

T R 2:00 PM – 3:50 PM

Lab: Section 1 – R 9:00 AM – 11:50 AM, Section 2 – M 3:00 PM – 4:50 PM

Teaching Assistant:

Section 1:

Section 2:

Course Description

In CIS 1057, we introduce some rudimentary concepts about computers, and the fundamental methodologies and approaches to computer programming in the C programming language. The topics covered include the general characteristics of computers, techniques of problem solving using the computer, informal methods to designing algorithms, the C programming language, and writing, debugging and testing computer programs.

Problem solving and programming methodologies are as important as programming in C. We will therefore place considerable emphasis on algorithm design as well as on programming in C. You will need to be able to design algorithms before you can write programs in C. You will also be expected to read and understand code written by others, in particular, your instructor, the lab assistants, and your peers. If you use the code of others, no matter the source, in your assignments, a citation will always be expected.

Grading

Course grade will be determined by

- Final Exam: (40%)
- Midterm Exams: (20%)
- Lab assignments: (10%)
- Homework assignments (20%)
- Quizzes (10 %)

Final Grades

Final grades will be assigned as follows.

Grading Scale:

Final Grade	Percentage
A	92-100
A-	90-91
B+	88-89
B	82-87
B-	80-81
C+	78-79
C	72-77
C-	70-71
D	62-69
D-	60-61
F	0-59

Exams

- All Exams are closed book.
- No makeup exams will be given. Students with an unexcused absence for an activity will be given an F.

Assignments

- You will be given several assignments. These should be submitted through Blackboard in a timely fashion.
- Unless otherwise specified, homework may not be done in groups.
- Assignments submitted on or before midnight on the due date may be considered for full credit.
Late homework is zero.
- Blanket extensions to the above policy may be granted at the instructor's discretion in unusual circumstances such as unclear directions, equipment, problems with the computer lab as a whole, inclement weather, or cancellation of TA or instructor office hours.
- However, individual exceptions will only be granted in the rarest of circumstances. Appeals to accept late homework should be directed by email to the instructor, and should typically be accompanied by appropriate documentation (e.g. doctor's note).
- There is enough homework throughout the semester that disastrous performance on one or two will not prevent you from achieving a good grade in the course. However, habitually missing the assignments will guarantee a poor grade or failure.

Schedule

Week	Lecture	Reading
	Introduction	Chapter 1
	Overview of C	Chapter 2
	Top-down design with Functions	Chapter 3
	If and Switch statements	Chapter 4
	Loop statements	Chapter 5
	Pointers and Modular programming	Chapter 6
	Arrays	Chapter 7
	Strings	Chapter 8
	Structure types	Chapter 10
	File processing	Chapter 11

Student Responsibilities

Students are responsible for reading all assigned text materials, handouts, and referenced sources. Students are responsible for participating in classroom discussions and discussions carried out electronically through Blackboard or other class facilities.

The CIS laboratory computer systems are available for use in homework and laboratory exercises. Access to the computer systems in CIS labs is through Temple University AccessNet username and password. SERC laboratories have dual boot Windows and Linux systems. We will be using these for laboratory assignments. These systems will have access to both Linux and Windows source code for laboratory work. You are responsible for performing and completing all of the laboratory exercises. This includes becoming familiar with, and being able to use, all of the tools and software that are to be used in these exercises.

Students are responsible for taking all quizzes and exams in the course. All work turned in for grading or review by the instructors of the course must be the student's own work. The objectives of the course can only be met by your doing all of the work and presenting only your work for grading. Presenting work that is not your own will result in disciplinary action. If you give your work for someone to present as their own, you will also face disciplinary action.

Student attendance to each class and each laboratory is Mandatory. Missing classes without a stated excuse prior to class can result in a lowering of your final grade, culminating with an F.

Students who miss the final exam and do not make alternative arrangements with me before I turn in grades, will receive a grade of F.

Collaboration and Cheating Policy

You are welcome to discuss assignments and laboratory projects with other students, provided that all work turned in must be your own. If you do discuss your work on assignments with other students, please list your collaborators at the top of your assignment, underneath your name. This does not excuse you from submitting your own work! For the in-lab parts of laboratory projects completed in teams, both team members should contribute equally and will be graded individually. The write-ups and out-of-class portions of labs must be completed independently.

In summary, when you are turning in an assignment with your name on it; what you turn in must be your work, and yours alone. Cheating will not be tolerated.