

CS102-01: Intro to C Programming – Fall 2015

MW 11:10am–12:30pm

OKT N327

Instructor

Dr. Stacy Lukins

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Class Office Hours: MW 12:30pm–1:30pm or by appointment

Course Details

Description: Introduction to program design and implementation in the C programming language, using hands-on programming assignments, class demonstrations and lectures. Problem analysis and some testing techniques. Basic program structure, and file organization. 3 credit hours.

Textbook: *C How to Program*, Eighth Edition, by Paul Deitel and Harvey Deitel

Course Goals:

- To provide a gentle introduction to programming for students with no prior exposure to programming languages
- To teach students the fundamentals of the C programming language
- To teach basic logic and problem-solving skills needed to write and debug computer programs

Grading

Class Participation	5%
Homework	10%
In-Class Assignments	20%
Programming Assignments (3)	20%
Exams (2)	25%
Final (Comprehensive)	20%

The following grading scale will be used:

A+	A	A-	B+	B	B-	C+	C	C-	D	F
100-97	96-93	92-90	89-87	86-83	82-80	79-77	76-73	72-70	69-60	< 60

The plus/minus grading system will be used in this course. In accordance with University policy, such grades will appear on your transcript, but will not affect your grade point average (GPA).

If you feel there is an error in the grading of your work, you must bring it to the instructor's attention within one week after the grade was assigned.

Class Participation: Class participation is based on attendance, since you will be most successful if you attend class regularly. I will give you 3 free absences – in other words, you can miss 3 classes

without providing a documented excuse and you will not be penalized. You must make up any missed assignments. Anything beyond 3 absences will require a documented excuse.

Homework: Homework assignments, designed to reinforce concepts and prepare you for exams, will be given frequently during the course. Typically, the lowest homework grade will be dropped.

In-class assignments: There will be a number of in-class exercises, which are short programming assignments designed for you to practice a specific programming skill. The goal is to have an in-class assignment after every major topic in order to practice skills discussed in class. These assignments can only be made up with prior approval and a documented excuse. Typically, the lowest in-class assignment will be dropped.

Programming Assignments: There will be 3 take home programming assignments. Detailed instructions for each assignment, including a grading rubric, will be given with the assignment. You will need a flash drive or CD for turning in programming assignments.

*** Programs and homework are due at the **beginning** of class on the due date. They will be accepted one class late with a 25% penalty. No assignments will be accepted beyond one class day late. All work must be your own. There is zero tolerance for academic dishonesty. ***

Make-up Exams: If missing an exam is unavoidable (e.g., work-related travel), please notify me in advance, so arrangements can be made. All make-up exams will be different and may be harder than the original exam. Makeup exams will only be given for excused absences with a documented excuse.

If you need help with the class

- Email me or come by during office hours – I'm always happy to help!
- Visit the CS Help Desk in Room N330. More information will be coming about their hours.
- Visit the Student Success Center (SCC) located in the Library

Additional Information

Computer Account: You need an account to be able to access the machines in this lab (N327) and in the CS open lab (N329). If you do not have an account, you may apply for one online at www.cs.uah.edu/account/. Wait at least 24 hours after you apply, then you may pick up your username and password at N318. You will need a photo ID.

Software: Microsoft Visual Studio 2012 (installed in both labs – N327 and N329)

A copy of the software can be obtained for your personal computer through department. See the Computer Science website under CS Resources for more information (<http://www.uah.edu/science/departments/computer-science/cs-resources>).

Reminders

- Keep a backup of your files! It is also likely that you will accidentally delete files on occasion.
- When in the lab, be sure to save files to your own media (or email to yourself)
- SAVE YOUR WORK EARLY AND OFTEN!

UAlert Emergency Notification System:

UAH has implemented the **UAlert** emergency notification system. UAlert allows you to receive time-sensitive emergency messages in the form of e-mail, voice mail, and text messages.

Everyone who has a UAH e-mail address will receive emergency alerts to their campus e-mail address. In order to also receive text and voice message alerts, you are asked to provide up-to-date phone contact information. Participation in UAlert text and voice messaging is optional, but enrollment is strongly encouraged. **You can't be reached through UAlert unless you participate.** The information you supply is considered confidential and will not be shared or used for purposes other than emergency notification.

To review your UAlert account, add or update phone and alternate e-mail addresses, and set the priority for your contact methods, please visit the UAlert web site: <http://ualert.uah.edu>.

Important UAH Dates and Deadlines

Refer to the Fall 2015 Academic Calendar for important dates and deadlines:

http://www.uah.edu/images/admissions/Registrar/Calendars/Calendar_FALL_2015.pdf

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Detailed Class Schedule

Week	Date	Material Covered	Assignments Due
Week 1	8/19	Welcome to Class!	
Week 2	8/24	Chapter 1, 2.1-2.2 <i>In-class Assignment 1</i>	
	8/26	2.3-2.5, 9.1-9.5, 9.8-9.10	
Week 3	8/31	2.3 (scanf), 9.11	<i>Homework 1 Due</i>
	9/2	<i>In-class Assignment 2</i>	
Week 4	9/7	No Class: Labor Day	
	9/9	2.6-2.7, 3.1-3.6	<i>Homework 2 Due</i>
Week 5	9/14	3.7-3.13	
	9/16	<i>In-class Assignment 3</i>	
Week 6	9/21	4.1-4.6	<i>Homework 3 Due</i>
	9/23	Review for Exam	Program #1 Due
Week 7	9/28	EXAM #1	
	9/30	4.7-4.13	
Week 8	10/5	<i>In-class Assignment 4</i>	<i>Homework 4 Due</i>
	10/7	Chapter 5	
Week 9	10/12	Chapter 5 (continued)	
	10/14	<i>In-class Assignment 5</i>	<i>Homework 5 Due</i>
Week 10	10/19	Chapter 6	Program #2 Due
	10/21	Chapter 6 (continued)	<i>Homework 6 Due</i>
Week 11	10/26	<i>In-class Assignment 6</i>	
	10/28	Review for Exam	<i>Homework 7 Due</i>
Week 12	11/2	EXAM #2	
	11/4	Chapter 8	
Week 13	11/9	Chapter 11	<i>Homework 8 Due</i>
	11/11	<i>In-class Assignment 7</i>	
Week 14	11/16	Chapter 11 (continued)	
	11/18	<i>Selected Topics</i>	<i>Homework 9 Due</i>
Week 15	11/23	Selected Topics	Program #3 Due
	11/25	No Class: Thanksgiving Holiday	
Week 16	11/30	Review for Final	
Wednesday, December 9		Comprehensive Final Exam	11:30am – 2:00pm

NOTE: Lecture schedule is tentative and subject to change during the term.

- If we get ahead of schedule, additional sections will be added.
- If we get behind schedule, selected topics will be omitted.

Exam dates are *not* likely to change.