COP 3223 Section 2 Intro. C Programming Fall 2023

Instructor: Dr. Niels da Vitoria Lobo Office: HEC Room252 Tel: 407-823-2873
Best contact is email: nlobo@ucf.edu (put 3223 as first word of Subject Line)

Textbook: This section does not use a textbook, we use the website lecture notes listed at http://www.cs.ucf.edu/~dmarino/ucf/cop3223/lectures/indexF08.html
Other Important Website: http://www.cs.ucf.edu/courses/cop3223/fall2023/section2 has everything for the class: lecture notes, grading scheme, DAILY HOMEWORK, schedule, and later will have extra notes, etc. Use any additional Textbook you wish.

Evaluation:
4 tests (40%); 3 full exams (30%); 1 FinalExam (15%); 5 program assignments (15%). Based on total score,grades are given as: W, A(>95), A-(>91), B+(>87), B(>83), B-(>79), C+(>75), C(>70), C-(>68),D(>=60), F (<60) and I (in very rare circumstances).

Notes: (These notes override all other notes, if any conflict exists.)

1) **FULL EXAMS are last 2 class days.** Show Photo ID at all tests/exams.

2) Attendance at every class lecture is mandatory. If you are in a situation where you must miss a class, make sure you send email to nlobo@ucf.edu, and do the DAILY HOMEWORK BEFORE you return to the next class. Study carefully before you attend the next class.

3) Makeup tests/exams will generally not be given. For exceptions, consult instructor at least 7 days before the test/exam.

4) Generally, do everything the instructor asks you to do as soon as he recommends that you do it. **At the very least, do the DAILY HOMEWORK**. This will prevent you from falling behind. This material constantly builds upon itself, so it is difficult to get caught up later in bursts of effort.

5) DO NOT EVEN BE TEMPTED TO CHEAT on homeworks or in tests. This material is well worth mastering, and the rewards for acquiring competence will be lifelong.

6) UCF will provide you with adequate tutoring support and teaching assistance, but *not if you wait* till the last minute. So, once again, start early on everything, and let the instructor and the teaching assistants know when you need help.

7) This is a large class, and the only way you are going to get the help you need is if YOU ASK for it. So, develop a habit of demanding the help that you need, as early as you can. The more you put off asking for help, the more likely you are to not get that help in a timely manner. PLEASE SEE FINAL PAGE FOR SCHEDULE.

Expected Amount of work each week:

HoursWork is informally: 4 + DesiredScore/6.5 - (.25xExpertiseRated20thru65)

Examples: 1) Beginner (expertise of 1) desires 70, needs 9 hours

2) Beginner (expertise of 1) desires 100, needs 14 hours

3) Expert (need not be in this class) desires 100, needs 3 hours

4) Expert (need not be in this class) desires 78, needs 0 hours

Announcements:

While the class website http://www.cs.ucf.edu/courses/cop3223/fall2023/section2 **will have all important class material, you should also frequently check the Webcourses Announcements to ensure you have not missed any important communication from the instructor.**

Course Learning Outcomes:

. Learn to program in the language *C*

. Learn how to make programs read/write, including from/to files

. Learn how to use arrays, and structs

. Learn how to work with memory addresses, and allocate memory

. Learn how to write programs that use the above capabilities combined with functions, and conditional statements and loops.

Academic Integrity:

Students should familiarize themselves with UCF's Rules of Conduct. According to Section 1, "Academic Misconduct", students are prohibited from engaging in Unauthorized assistance: Using or attempting to use unauthorized materials, information or study aids in any academic exercise unless specifically authorized by the instructor of record. The unauthorized possession of examination or course-related material also constitutes cheating.

Communication to another through written, visual, electronic, or oral means: The presentation of material which has not been studied or learned, but rather was obtained through someone else's efforts and used as part of an examination, course assignment, or project.

Commercial Use of Academic Material: Selling of course material to another person, student, and/or uploading course material to a third-party vendor without authorization or without the express written permission of the university and the instructor. Course materials include but are not limited to class notes, Instructor's PowerPoints, course syllabi, tests, quizzes, labs, instruction sheets, homework, study guides, handouts, etc.

Falsifying or misrepresenting the student's own academic work.

Plagiarism: Using or appropriating another's work without any indication of the source, thereby attempting to convey the impression that such work is the student's own.

Multiple Submissions: Submitting the same academic work for credit more than once without the express written permission of the instructor.

Helping another violate academic behavior standards.

Accessibility:

UCF is committed to providing access and inclusion for all persons with disabilities. Students with disabilities who need disability-related access in this course should contact the professor as soon as possible. Students should also connect with Student Accessibility Services (SAS) http://sas.sdes.ucf.edu (Ferrell Commons 185, sas@ucf.edu, phone 407-823-2371).

Safety:

Emergencies on campus are rare, but if one should arise during class, everyone needs to work together. Students should be aware of their surroundings and familiar with some basic safety and security concepts. In case of an emergency, dial 911 for assistance.

Every UCF classroom contains an emergency procedure guide posted on a wall near the door.Students should make a note of the guide's physical location and review the online version at http://emergency.ucf.edu/emergency_guide.html.

Students should know the evacuation routes from each of their classrooms and have a plan for finding safety in case of an emergency.

If there is a medical emergency during class, students may need to access a first-aid kit or AED (Automated External Defibrillator). To learn where those are located, see http://www.ehs.ucf.edu/workplacesafety.html (click on link from menu on left).

To stay informed about emergency situations, students can sign up to receive UCF text alerts by going to ucf.edu and logging in. Click on "Student Self Service" located on the left side of the screen in the toolbar, scroll down to the blue "Personal Information" heading on the Student Center screen, click on "UCF Alert", fill out the information, including e-mail address, cell phone number, and cellphone provider, click "Apply" to save the changes, and then click "OK."

Students with special needs related to emergency situations should speak with their instructors outside of class.

To learn about how to manage an active-shooter situation on campus or elsewhere, consider viewing this video at https://youtu.be/NIKYajEx4pk

Active Duty:

Students who are deployed active duty military and/or National Guard personnel and require accommodation should contact their instructors as soon as possible after the semester begins and/or after they receive notification of deployment to make related arrangements

SEE FINAL PAGE for SCHEDULE

Schedule for COP3223 Section 2 Fall 2023

Date	Test/Final	Homework	Topic
Tue, Aug 22			First Program, Variables
Thu, Aug 24			Arithmetic Expressions, Language Basics
Fri, Aug 25		Homework 0 due	
Tue, Aug 29			IF Statement; More IFs
Thu, Aug 31			More IFs; Review; Loops
Tue, Sep 5			Loops, Review
Thu, Sep 7		Homework 1 Due	Advanced programs with Loops, Review
Tue, Sep 12			Arrays, Programs with Loops
Thu, Sep 14	Test 1		
Tue, Sep 19			Array Examples, 2D Arrays
Thu, Sep 21			2D Arrays, Program Examples
Tue, Sep 26			Calling Functions, Review
Thu, Sep 28		Homework 2 due	Calling/Writing Functions, Review
Tue, Oct 3			Pass by Reference, Void and other functions
Thu, Oct 5	Test 2		
Tue, Oct 10			Intro to Pointers, Program Examples, Structures
Thu, Oct 12			More Structures
Tue, Oct 17		Homework 3 due	Review
Thu, Oct 19			Program Examples, File Input/Output
Tue, Oct 24	Test 3		
Thu, Oct 26			Pointers , Memory Allocation
Fri, Oct 27	Withdrawal Deadline		
Tue, Oct 31			Program Examples
Thu, Nov 2			Program Examples
Tue, Nov 7		Homework 4 due	Review
Thu, Nov 9			Linked Structures
Tue, Nov 14	Test 4		
Thu, Nov 16			Linked Structures, Review
Tue, Nov 21			Linked Structures, Review

Attention: Study Period before Exams

.

Tue, Nov 28	FULL EXAM Part 1		FULL EXAM Part 1
Thu, Nov 30	FULL EXAM Part 2	Last regular class	FULL EXAM Part 2
Thu, Dec 7	FINAL EXAM	Time: 10am to 12:50pm	(Call for Results: Sun Dec 10, 5pm)
Sat, Dec 9		Homework 5 due	

HappyEnd

Tue, Dec 12 Grades turned in at 2pm; after this, no changes will be made