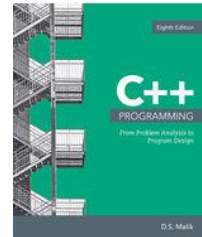


C S 3060
Object Oriented Programming with C++
FALL 2018

Instructor: Rory Lewis PhD JD
Time/Place: Mon/Weds 8:00AM-9:15AM Centennial Hall 203, UCCS
Final exam: Mon, Dec 10, 8:00 AM -10:00 AM (see [here](#))
Tutoring: (**Free tutoring**) Mon/Weds 1:00AM-3:00PM Engr 232
Contact: Office ENGR 188. Phone: (719) 255-3149
Email: rlewis5@uccs.edu Office Hours: (i) Mon., 10:00AM-1:00PM, (ii) set up a more convenient time for you, or (iii) just show up as most students do.
Text: The material presented in the course will be complemented by the following textbook.
C++ Programming: From Problem Analysis to Program Design 8th Ed
D.S. Malik, ISBN-10: 1-337-10208-3, ISBN-13: 978-1-337-10208-7
Prereq.: CS1150, CS 2060 and CS 2080.



All homework, assignments, quizzes will be administered using CENGAGE. It is the student's responsibility to buy the book and be registered in CENGAGE **before** or **on the first class on 20th August 2018** where a CENGAGE representative will walk you through the process. For those who want to login to CENGAVE before the first day, the instructions to log into and setup CENGAGE are [here](#).

Course Description:

The principal goals of this course are: 1) to learn the fundamentals of object-oriented programming, 2) to gain skill and proficiency in using the C++ programming language, 3) to exercise the C++ language in implementing a moderate sized software system designed with objects. Prereq., CS 2060, CS 2080; Engineering majors only. Workload: I expect students to devote an average of 6-7 hours per week outside of class on work for this class. Some of that work will be in teams..

Student contact:

NOTE: Assignments will be handed out in class, and will not be posted– attend class to keep up on coursework. The course website is located at <http://www.rorylewis.com> NOTE: Homework assignments will be

- Delivered in Cengage,
- Delivered by email, and
- Sometimes randomly handed out in class and are NOT posted – it YOUR responsibility to attend every class and keep up on coursework.

Grading Policy:

Final course grades will be determined based on the following approximate percentages:

Quizzes (In-Class and Cengage):	40%
In-class:	10%
Midterm Exam:	20%
Final Exam-	30%

No makeup exams or quizzes will be given. If the student is unable to take an exam due to **extreme** circumstances, the student may, at the instructor's discretion, take the exam early. In addition, on-time completion of assignments will be critical to the student's success in the class; therefore, late assignments **will not be accepted.** However, each student has two 'free' undone/late assignments that will not be counted towards the grade. Assignments are due at the Cengage mindtap cut off. **NO EXCEPTIONS**

Attendance:

Students are expected to come to class on time, prepared to participate, and to read the assigned material before class. Cell phone and laptop misuse (other than note taking), or other disruptive behavior will not be permitted. Class notes should be obtained from another student if a class is missed. **Some important material covered in the lectures will not be contained in the text,** and selected material from the text will be augmented and emphasized in the lectures. Roll will be taken occasionally.

Late Drops, Incompletes:

A drop after the normal deadline date is allowed by the college very rarely, and will be approved only if there is documented evidence that the student was prevented from attending a significant number of classes by circumstances clearly beyond his/her control (e.g., illness). If the instructor approves the drop, the Computer Science Department Chairman and the EAS Dean have final authority in carrying out the EAS college policy and granting approval. A grade of 'Incomplete' is rare, and allowed only when the student has already completed the majority of the course work completed, but has insurmountable problems with completing a small part of it *due to circumstances clearly beyond their control.* An 'Incomplete' is not justified in the case of a student who has simply chosen not to do the work on time.

Logistics:

In the event of a class cancellation on an exam or assignment due date, students should assume that the exam will be taken, or the assignment will be submitted the **following** regular class time.

Responsibilities:

Lost data or failed computers are not valid excuses for late assignments. The lab computers are provided as a resource, and are always an alternative to your own personal computer usage. **Always back up all program materials to a CD to prevent loss. Save data frequently, and under different names so you have multiple copies. Don't risk losing hours of work when (not 'if') a hard drive fails, or the computer crashes. Ask yourself: *How much work am I willing to lose and have to redo, and how much time will I have to do it all again?***

See schedule on next page

Syllabus Fall 2018 CS 3060

DATE	week	
Mon, Aug 20	1	Class Cengage/ Intro Chapter 2 basic elements of C++ Chapter 3 Input/Output
Wed, Aug 22		Lab
Mon, Aug 27	2	Class Chapters 4 & 5 Control Structures
Wed, Aug 29		Lab
Mon, Sep 03	3	Class Chapter 6 User-Defined Functions
Wed, Sep 05		Lab
Mon, Sep 10	4	Class Chapter 7 User-Defined Simple Data Types, Namespaces, & the string Type
Wed, Sep 12		Lab
Mon, Sep 17	5	Class Chapter 8 Arrays and Strings
Wed, Sep 19		Lab
Mon, Sep 24	6	Class Chapter 9 Records (structs)
Wed, Sep 26		Lab
Mon, Oct 01	7	Class Chapter 10 Classes and Data Abstraction
Wed, Oct 03		Lab
Mon, Oct 08	8	Review
Wed, Oct 10		MIDTERM
Mon, Oct 15	9	Class Chapter 11 Inheritance and Composition (Polymorphism)
Wed, Oct 17		Lab
Mon, Oct 22	10	Class Chapter 12 Pointers, classes, virtual Functions, and Abstract Classes (Part 1)
Wed, Oct 24		Lab
Mon, Oct 29	11	Class Chapter 12 Pointers, classes, virtual Functions, and Abstract Classes (Part 2)
Wed, Oct 31		Lab
Mon, Nov 05	12	Class Chapter 14 Exception Handling
Wed, Nov 07		Lab
Mon, Nov 12	13	Class Chapter 15 Recursion
Wed, Nov 14		Lab
Mon, Nov 19	14	Class Chapter 16 Searching, Sorting and the vector Type
Wed, Nov 21		WINTER BREAK
Mon, Nov 26	15	Class Chapter 17 Linked Lists
Wed, Nov 28		Lab
Mon, Dec 03	16	Class Chapter 18 Stacks and Queues
Wed, Dec 05		Lab
Mon, Dec 10	17	Review
Wed, Dec 12		
Mon, Dec 17	18	FINAL