

Document:	Programming I Course Administration			
Revised:	December 6, 2021			
Course Title:	Programming I			
Course Number:	CMSC 1613			
Section:	CRN 10053 and IVE CRN 17010 Tuesday and Thursday 11:00 – 12:15 p.m. MCS 111			
Instructor:	Dr. Thomas R. Turner; Office: MCS 134; Work Phone: 974-5383, e-mail: trturner@uco.edu			
Office Hours:	Time	Monday	Wednesday	Friday
	9:00 – 9:50 a.m.	MCS 134	MCS 134	MCS 134
	3:00 – 4:00 p.m.	MCS 134	MCS 134	
	Time	Tuesday	Thursday	
	10:00 – 10:50 a.m.	MCS 134	MCS 134	
	Please make an appointment to visit me during my office hours.			
Text:	Horstmann, C. and Budd, T. <i>Big C++ 2nd Ed.</i> ; John Wiley & Sons, Inc. 2009 ISBN 978-0-470-38328-5			
Reference:	Stroustrup, B. <i>The C++ Programming Language 3rd Ed.</i> ; Addison-Wesley 1997 ISBN 0-201-88954-4			
Prerequisites:	1. CMSC 1513, Beginning Programming 2. MATH 1513, College Algebra <i>or</i> MATH 1555, College Algebra and Trigonometry			
Course due dates:	All projects and reports are due at the beginning of class on the date given in this document unless otherwise specified. Exams that are administered in class are due at the end of the class period.			
Course Scoring:	Task	Date	Value	
	Test 1	9-23	150	
	Test 2	11-2	150	
	Final Test	12-16	300	
	Projects	Table 2	250	
	Reports	Table 3	50	
	Total		900	
Grading:	A: 90% (810-900); B: 80-89% (720-809); C: 70-79% (630-719); D: 60-69% (540-629); F: 59% (0-539) and below.			
Notice:	Beeper and cellular phones are prohibited in class.			
Caveat:	This lecture schedule, programming projects and due dates, number and dates of tests are all subject to change. Changes are presented in class. You are responsible for the material presented in class.			
Class Web Page:	The course administration and assignments can be found on URL http://www.comsc.uco.edu/~trt/cs1613.html			
Course Directory	The course directory is on the department computer. You can find test data files in the course directory. ~trt/cs1613/			
Student Disabilities:	Students with disabilities who require accommodations may contact Disability Support Services. http://bronze.uco.edu/disability_support/			

Absences:	<ol style="list-style-type: none">1. A 45-point bonus is awarded to any student having no recorded absences. The attendance bonus will be denied to any student who is absent for any reason. The attendance bonus will not be granted to any student having an excused absence.2. A student may be absent for up to three (3) classes without penalty: these three classes are counted as excused absences. No notification or documentation is required except when a test is given.3. Fifteen (15) points will be deducted from the student's final score for the fourth and every subsequent class for which the student is recorded absent. A student will be marked absent if the student is not present when roll is called. A student will be marked absent if the student leaves before class is dismissed.4. A student who is absent on the day of a test will receive a zero on an examination unless written justification is presented to the instructor. Acceptable justification includes university sanctioned travel, military obligation, serious illness or injury, or death or serious illness in the immediate family. Work-related conflicts are not acceptable excuses.5. Please note that roll is taken for those students enrolled in the Interactive Video section at the time this class is scheduled to meet on campus. No recording is available for later viewing.6. All students are required to take examinations on campus in the classroom assigned for this class on the dates given in the schedule.
Academic Honesty and Collaboration:	Students are encouraged to collaborate. However, each student must make a unique contribution to any joint effort and that unique contribution must be visible in the work submitted by the student. You may use the internet to find additional information or solutions related to this course. However, like collaboration, any material, whose origin is the internet, submitted as a requirement of this class, must contain your unique and substantial contribution. Partially or completely copied assignments shall be considered a <i>prima facie</i> case for academic dishonesty.

Table 1. Lecture Schedule

Lecture	Date	Topic	Notes
1	8-24	Course administration Computer Architecture	Lecture note 1 Lecture note 2
2	8-26	C++ Program Organization	Lecture note 3
3	8-31	Linux Survival	Lecture note 5
4	9-2	Data Type Overview and Boolean Types	Lecture note 6
5	9-7	Integer Types	Lecture note 7
6	9-9	Turn in r01: Library research project Real Types Present and Future Value of a Single Payment/Deposit	Lecture note 8 Lecture note 51
7	9-14	Character Types Precedence and Associativity Turn in p01: Hello, I love you.	Lecture note 9 Lecture note 10
8	9-16	Locality Formatted Output	Lecture note 11 Lecture note 12
9	9-21	Turn in p02: Monthly payment	
10	9-23	Test 1	
11	9-28	Test 1 Reprise	
12	9-30	Functions Parameters and Arguments	Lecture note 13 Lecture note 14
13	10-5	Value Parameters Reference Parameters	Lecture note 15 Lecture note 16
14	10-7	Iterative statements Selection statements Newton's Method for Finding Interest Rate	Lecture note 17 Lecture note 18 Lecture note 52
15	10-12	Arrays C-Strings C++ Strings	Lecture note 19 Lecture note 20 Lecture note 21
16	10-19	Roman Numeral Conversion Turn in p03: Finance suite	Lecture note 53
17	10-21	Input and Output File Streams Command line processing	Lecture note 22 Lecture note 23
18	10-26	Number Systems	Lecture note 54
19	10-28	Overview of p05: Decimal number conversion	
20	11-2	Test 2	
21	11-4	Test 1 reprise	
22	11-9	No Class - ABET Visit	

Table 1. Lecture Schedule (continued)

Lecture	Date	Topic	Notes
23	11-11	Dynamic memory allocation Enumerations Turn in p04: Making change	Lecture note 24 Lecture note 25
24	11-16	Structures and classes Program organization and makefiles	Lecture note 26 Lecture note 27
25	11-18	Selection sort Turn in p05: Decimal number conversion	Lecture note 55
26	11-23	Mortgage amortization Dates and Modulo Arithmetic	Lecture note 56 Lecture note 57
27	11-30	Margin Turn in p06: Selection sort	
28	12-2	Margin	
29	12-7	Margin Turn in p07: Mortgage amortization	
30	12-9	Margin	
31	12-16	Final Exam, 11:00 – 12:50 p.m., Thursday, December 16, 2021	Comprehensive

Table 2. Programming Projects

Project	Due	Value	Description
1	9-14	30	p01: Hello, I love you
2	9-21	30	p02: Monthly payment
3	10-19	30	p03: Finance suite
4	11-11	30	p04: Making change
5	11-18	30	p05: Decimal number conversion
6	11-30	50	p06: Selection sort
7	12-7	50	p07: Mortgage amortization
Total		250	

Table 3. Reports

Report	Due	Value	Description
1	9-9	50	r02: Library research report
Total		50	