

Course Syllabus

Course Information

CS 1325.0U1, Introduction to Programming
Summer 2016
Tuesday/Thursday 3:00-5:15
JSOM 2.102

Professor Contact Information

Dr. Mark C. Paulk
Office: ECSS 3.610
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Office hours: Tue/Thur 2:00-3:00 or by appointment

Course Pre-requisites, Co-requisites, and/or Other Restrictions

The pre-requisites are listed in the catalog as “Basic computer literacy/programming skills.” A requirement has been added, however, that each student must have had at least one semester of programming prior to taking this class. In most cases, that will be CS1336. Consequently, an assumption is made that every student has had at least one semester of C++, and is familiar with C++ programming. In particular, it is assumed that every student is familiar with the control structures of C++, including loops of various types, and can competently use arrays. Please let the instructor know if this is not the case for you.

Each student will be required to sign a statement stating that they have had the pre-requisites for this course.

Note that there is no official lab section that runs concurrently with this course.

Course Description

Computer programming in a high-level, block structured language. Basic data types and variables, memory usage, control structures, functions/procedures and parameter passing, recursion, input/output. Programming projects related to engineering applications, numerical methods.

May not be used to satisfy degree requirements for majors in Computer Engineering, Computer Science, Software Engineering, and Telecommunications Engineering.

Student Learning Objectives/Outcomes

- 1) Ability to use fundamental programming constructs: assignment, loops, conditions
 - 2) Ability to process data in arrays
 - 3) Ability to develop programs in a functional form
 - 4) Ability to perform sequential file input and output
 - 5) Ability to express algorithms that solve elementary engineering and scientific problems
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Required Textbooks and Materials

- P. Deitel and H. Deitel, C: How to Program, 8th Edition, 2015
 - *you may also use the 7th edition, which was used in putting together the slides (page numbers refer to 7th edition)*

Suggested Course Materials

- D.M. Etter, Engineering Problem Solving with C, 4th Edition, 2012
 - H.H. Cheng, C for Engineers and Scientists, 2009
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Assignments & Academic Calendar

Tue, May 24	Classes begin
Mon, May 30	Memorial Day (no classes)
Tue, June 28	Exam #1
Mon, July 4	Independence Day (no classes)
Thur, Aug 4	Last day of class – Exam #2

Grading Policy

Quizzes:	10%
Homework:	30%
Exam #1:	30%
Exam #2:	30%

Grading Curve

97-100	A+
93-97	A
90-93	A-
87-90	B+
83-87	B
80-83	B-
77-80	C+
73-77	C
70-73	C-
65-70	D-
under 65	F

Course & Instructor Policies

1. Make-up exams will be granted only for exceptional conditions, as approved by the instructor.
2. There will be no extra credit work.
3. Assignments will not be accepted late unless there are extraordinary circumstances.
4. File names of softcopy assignments should include the class, the assignment, and your (team) name, e.g., cs1325hw01jdoe.doc. -5% for each that is missing. Add extensions, e.g., cs1325hw01jdoeA.doc, if there is more than one file to be submitted.
5. Assignments should be submitted through eLearning.
6. You are expected to attend class.
7. Include the course number either in the subject or the body of emails.
8. Cell phones shall not be used in the classroom during sessions. Place them on mute. If you receive a call, leave the room.
9. Exams are closed book; no laptops; a one-page (front and back) set of notes may be used.

UT Dallas Syllabus Policies and Procedures

The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus.

Please go to <http://go.utdallas.edu/syllabus-policies> for these policies.

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor.