

Syllabus

Course Information

Course Number/Section	CSCE 1337.009
Course Title	Computer Science 1
Term	2023 Spring
Classroom Days/Time	Mon, Wed 11:30 AM – 12:30 PM
Classroom	GR 2 530

Professor Contact Information

Professor	Scott Dollinger
Office Phone	972-514-7190
Email Address	Scott.Dollinger@utdallas.edu
Office Location	ECSS 3.606
Online Office Hours	Mon, Wed 01:00 PM – 02:00 PM

E-mail is the best way to contact me.

All e-mails must have Course.section in the e-mail subject title, or the e-mail will not get a response.

If you have any special problems, *please communicate to me via e-mail* as soon as reasonably possible.

TA/GRADER CONTACT INFORMATION

To Be Announced when assigned will be posted to e-learning under Contact Help Information.

Course Modality and Expectations

Instructional Mode

This is a face-to-face class session course that you must attend.

There are not any lecture or class recordings.

All class material will be posted to blackboard course page as the class progresses..

Course Platform/Mode

This course uses Blackboard.

See the following guides for information:

<https://dox.utdallas.edu/manual1073>

<https://ets.utdallas.edu/elearning/resources/software/blackboard-ultra>

Course Attendance

The student is expected to attend all classroom class sessions.

The student is expected to read the assigned readings from the book to fully understand the course topics.

COVID-19 Guidelines and Resources

The information contained in the following link lists the University's COVID-19 resources for students and instructors of record.

Please see <http://go.utdallas.edu/syllabus-policies>.

Class Participation

Regular class session participation, especially attendance, is expected. Students who fail to participate in class regularly are inviting scholastic difficulty. Successful participation is defined as consistently adhering to university requirements, as presented in this syllabus.

Failure to comply with these University requirements is a violation of the [Student Code of Conduct](#).

Class Materials

The instructor may provide class materials that will be made available to all students registered for this class as these are intended to supplement the classroom experience.

These materials may be downloaded during the course; however, these materials are for registered students' use only.

Classroom materials may not be reproduced or shared with those not in class or uploaded to other online environments except to implement an approved Office of Student Access Ability accommodation.

Failure to comply with these University requirements is a violation of the [Student Code of Conduct](#).

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

Prerequisite: CS 1336 or equivalent with at least a grade of C.

Course Description

Review of control structures and data types with emphasis on structured data types.

Applies the object-oriented programming paradigm, focusing on the definition and use of classes along with the fundamentals of object-oriented design.

Includes basic analysis of algorithms, searching and sorting techniques, and an introduction to software engineering.

Programming language of choice is C/C++.

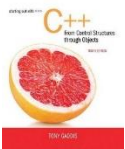
Student Learning Objectives/Outcomes

1. Ability to implement linear and binary searches.
2. Ability to implement simple sorting algorithms.
3. Ability to implement structured data types.
4. Ability to define and implement a class.
5. Ability to use fundamentals of object-oriented design.

Required Textbooks and Materials

Required Texts

Textbook:



Starting Out with C++ from Control Structures to Objects, 9th Ed

Tony Gaddis

ISBN-13: 97801344983799

ISBN-10: 01344983720

© Pearson 2017-02-23

Textbooks and some other bookstore materials can be ordered online or purchased at the [UT Dallas Bookstore](#).

C/C++ Development Tools

You can use whatever development environment you wish to develop your assignments. It is recommended that you use an Integrated Development Environment (IDE) with source code debugging capability to make your development efforts efficient. The C++ compiler that you use in your development environment must be a C++ 14 version capable compiler. The C++ 14 version is the level of the C++ compiler that is used to grade the submissions.

You must understand your IDE so that you know how to extract and identify all source files (.cpp, .h, input text files ... etc.) that require to be zipped up for uploading to Blackboard as a grading submission. See the Tutorial section in the eLearning system home page titled **Submittal and Development Guide**.

Information will be posted to Blackboard Home Page Navigation Menu on how to download a free version of Visual Studio 2022 Community.

Technical Requirements

In addition to a confident level of computer and Internet literacy, certain minimum technical requirements must be met to enable a successful learning experience.

Please review the important technical requirements on the [Getting Started with eLearning](#) webpage.

Course Access and Navigation

This course can be accessed using your UT Dallas NetID account on the [eLearning](#) website.

Please see the course access and navigation section of the [Getting Started with eLearning](#) webpage for more information.

To become familiar with the eLearning tool, please see the [Student eLearning Tutorials](#) webpage.

UT Dallas provides eLearning technical support 24 hours a day, 7 days a week.

The [eLearning Support Center](#) includes a toll-free telephone number for immediate assistance: 1-866-588-3192

Email request service, and an online chat service.

Communication

This course utilizes online tools for interaction and communication. Some external communication tools such as regular email and a web conferencing tool may also be used during the semester.

For more details, please visit the [Student eLearning Tutorials](#) webpage for video demonstrations on eLearning tools.

Student emails will be answered within 3 working days under normal circumstances.

Server Unavailability or Other Technical Difficulties

The University is committed to providing a reliable learning management system to all users.

However, in the event of any unexpected server outage or any unusual technical difficulty which prevents students from completing a time sensitive assessment activity, the instructor will provide an appropriate accommodation based on the situation. Students should immediately report any problems to the instructor and also contact the online [eLearning Help Desk](#).

The eLearning Help Desk will work with the student to resolve any issues at the earliest possible time.

Grading Policy

Assessment	Percentage
Exam 01	25
Exam 02	25
Assignments	50

Range	Grade
97 - 100	A+
93 - 96	A
90 - 92	A-
87 - 89	B+
83 - 86	B
80 - 82	B-
77 - 79	C+
73 - 76	C
70 - 72	C-
60 - 69	D
00 - 59	F

Each range shown above is inclusive and without any rounding-off.

For example, 94-96 for grade A is for the score falling in the range between 94.000 and 96.999.

The grade of 93.999 is for A-.

Extra Credit

Make-Ups

Assignments that received a score of less than 75%, can be made up (re-submitted), but will be graded out of a maximum score of 75.

Such make up assignments must be submitted by the due date and time of the last assignment in the course. During the week that the last assignment is due, the submit button will be made available for submitting make-up assignments.

Make-up assignments do not have late days.

For more details, see the Assignment Guides in the Assignments in the Navigation Menu in Blackboard.

Late Work

Assignments that are handed in late will be scored as follows:

<u>Days Late</u>	<u>Graded Out Of</u>
1	95
2	90

After 2 late days, assignments will **not** be available for late submittal but may be submitted later as make-ups.

Course Policies

You are responsible for all the material in the assigned reading in the required course textbook.
You are responsible for all material supplied on eLearning, including announcements.

You must keep up with the course schedule and due dates that are posted to eLearning.

Comet Creed

This creed was voted on by the UT Dallas student body in 2014.
It is a standard that UTD Student Comets choose to live by and encourage others to do the same:

“As a Comet, I pledge honesty, integrity, and service in all that I do.”

Academic Support Resources

Please go to [Academic Support Resources](#) webpage for these policies.

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 [UT Dallas Syllabus Policies](#) webpage for these policies.

The description, schedules and timelines contained in this syllabus are subject to change at any time by the discretion of the Professor. Any changes will be announced in the virtual classroom session.

Academic Schedule Calendar

Week No	Date	Topic/Lecture
01	Jan 16 Mon Jan 18 Wen	MLK Holiday Course, Syllabus, eLearning Review
02	Jan 23 Mon Jan 25 Wen	C Essentials Continued, 07 Review Arrays
03	Jan 30 Mon Feb 01 Wen	09 Pointers, Assignment 01 Due Continued Census Due, Last Day to Drop without a "W"
04	Feb 06 Mon Feb 08 Wen	10 Chars, C-Strings, String Class Continued
05	Feb 13 Mon Feb 15 Wen	11 Structured Data, Unions, Assignment 02 Due 12 File IO
06	Feb 20 Mon Feb 22 Wen	13 Introduction to Classes, Assignment 03 Due Continued
07	Feb 27 Mon Mar 01 Wen	15 More about Classes Continued
08	Mar 06 Mon Mar 08 Wen Mar 11 Sat	Exam 01 Discussion 01 Exam Mid-Term Grades Due on Course Book
09	Mar 13 Mon To Mar 17 Fri	Spring Break
10	Mar 20 Mon Mar 22 Wen	15 Inheritance, Polymorphism, Virtual Functions Continued
11	Mar 27 Mon Mar 28 Wen Mar 30 Thr	16 Exceptions and Templates, Assignment 04 Due Continued Last Day to Drop a Class, Withdrawal period ends
12	Apr 03 Mon Apr 05 Wen	17.7 Intro to Function Objects and Lambda Expressions Continued
13	Apr 10 Mon Apr 12 Wen	18 Linked List, Assignment 05 Due Continued
14	Apr 17 Mon Apr 19 Wen	19 Stacks and Queues Continued
15	Apr 24 Mon Apr 26 Wen	Recursion Continued
16	May 01 Mon May 03 Wen May 08 Mon	Continued, Assignment 06 Due Exam 02 Discussion Exam 02

All Assignments are due by 11:59 PM

*The professor reserves the right to change any part of this syllabus, including this schedule calendar.
Any changes will be announced in class and posted to eLearning Courser Home Page site.*