

"Most good programmers do programming not because they expect to get paid or get adulation by the public, but because it is fun to program."

- Linus Torvalds

CSE102

Computer Programming with C

2019-2021 Spring Semester

Syllabus

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Today

- Introductions
- Syllabus
- Administrative Details

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Introductions

- Instructor: Dr. Genç
 - Office Hours: Mondays 3:30-4:00pm
- TAs:
 - Şeydanur Ahi (office hour: Wednesdays 14:00-14:30)
 - N. Mehmet Cansever (office hour: Fridays 13:30-14:00)
 - Sibel Gülmez (office hour: Tuesdays 15:00-15:30)
 - Pınar Savaştürk (office hour: Thursdays 20:00-20:30)

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Course – Catalog Description

Basic introduction to computers & programming with C

- Algorithmic approach
- Control Structures
- Declarations
- Functions and Arrays
- Structures, Pointers and Strings
- Input Output and File processing
- Data Structures
- The preprocessor
- Advanced programming – GUI, Graphics, etc.

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Course – Educational Objectives

This course aims to teach you how to read and write software in the C programming language. You will become familiar with the procedures necessary to structure and translate problems into steps for coding in a high level computing language. You will learn how to write programs so that others can use them. By the end of this course you should be able to :

- Read a standard C program and understand how it works
- Break down a problem into logical steps (an algorithm)
- Convert algorithms into clear, well documented C code
- Write sections of a C program as part of a team

Reading Material

- **Book:**
 - Jeri R. Hanly and Elliot B. Koffman, Problem Solving and Program Design in C, Pearson Education, Seventh Edition.
- **Other books:**
 - Brian Kernighan and Dennis Ritchie, C Programming Language, Prentice Hall.
 - Harvey M. Deitel, Paul J. Deitel, C How to Program, Prentice Hall, Fifth Edition.

Grading

- **Grading** (may change slightly during the semester)
 - 40 – Homework
 - 30 – Midterm and Quiz
 - 30 – Final
- **Rules**
 - Zero tolerance on cheating
 - NA means not sufficient work as shown by HWs, attendance and exams...

Quizzes

- There will be many pop quizzes
 - Each quiz will take 10 minutes
- Everyone will take all the quizzes

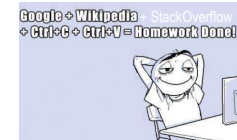
Homework

- Assignments will be announced on Moodle
 - All assignments should be submitted electronically before the specified deadline
 - No late assignments (strictly enforced)
 - You should collect at least an average of 40 out of 100 from the assignments (otherwise, your homework grade will be considered as zero)
- Programming assignments will be graded by TAs on the basis of
 - Compilation
 - Run
 - Correctness of the results
 - Coding style and documentation
 - No partial credits if your code does not compile or run
- Use Linux environments for editing and compiling (gcc) your programs

A VM will be provided to create a similar environment that would be used during grading!

Honor Code

- Unless stated otherwise, assignments should be done individually, and they are expected to be your own work
- TAKE PRIDE IN THE WORK YOU DO!!! DO NOT CHEAT!
- You may seek help in identifying syntax and run-time errors and engage in general discussions regarding the solutions, but giving and receiving sections of code will be considered cheating
- All parties (giving or receiving) involved in cheating will be punished
 - Will get the grade of -100% for that homework
 - And more...



Attendance Policy

- Class attendance is mandatory (minimum of 70%)
- Attendance is not mandatory for those taking the class again and did not fail the previous time with an NA.
- You are responsible for all material covered in class, even when you aren't there!
- If you miss an exam, get the proper documents for us to schedule a make-up exam

Communication

- The course communication will be done via Teams and Moodle
 - Teams...
 - <http://bilmuh.gtu.edu.tr/moodle>
- Make sure you register as soon as possible
- All the class related announcements will be made either in class or at the class web page
 - Students are required to monitor the class web page regularly
 - Ignorance is not an excuse

Class Rules

Please make use of the class time for the best:

- Keep your microphones on mute unless asked to do otherwise
- When you have a question, please raise your hand and ask the question so that everyone may benefit from it
- You may also write down your questions and comments via chat but they may not be read until towards the end of the session

Have a great semester!