

"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

Spring 2025

Syllabus

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Today

- Introductions
- Syllabus
- Administrative Details

Classes to be held:
Mondays 13:30-15:20
Wednesdays: 15:30-17:20

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Introductions

- Instructor: Yakup Genc
 - Office Hours: Monday 3:30pm-4:30pm
- TAs:
 - Ferda ABBASOĞLU
 - Başak BULUZ
 - Mehmet Burak KOCA

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Course – Catalog Description

Basic introduction to computers & programming with C

- Algorithmic approach
- Control Structures
- Declarations
- Functions
- Arrays, Structures, Pointers and Strings
- Input Output and File processing
- Data Structures
- 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 methods 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

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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.

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Grading

• Grading[†]

- 25% – Homework
- 25% – Quiz
- 20% – Midterm
- 30% – Final

• Rules

- Zero tolerance on cheating
- NA means not sufficient work as shown by HWs, attendance and exams...
- If you score below the threshold in any of the following categories, you will receive an **FF** grade:
 - Homework and quiz average: below 50/100
 - Midterm exam: below 40/100
 - Final exam: below 40/100

[†]Tentative, may change slightly during the semester.

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Homework

• Assignments will be announced on Teams

- All assignments should be submitted electronically before the specified deadline
- No late assignments (strictly enforced)

• Programming assignments will be graded by TAs based on

- Compilation
- Run
- Correctness of the results
- Coding style and documentation
- No partial credits if your code does not compile or run

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

• Use Linux environments for editing and compiling (gcc) your programs

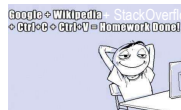
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Honor Code

- 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 held responsible
 - Will get the grade of -100% for that homework
 - And more...



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A New Era?

- Generative AI offers us a lot of help
 - Use it to learn and exercise
 - If I can only copy from AI, why am I needed?
- Why HW?
 - I do not need it, but you do!
 - Cannot gain without exercising – physical or mental
 - Degree DOES NOT EQUAL expertise/capability

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Quizzes

- Along with homework, weekly quizzes structures your exercise habits
- Allows us to assess your weekly programming performance
- Every week, everybody, 20 minutes
- Will schedule a time to fit
 - Your schedules
 - Classroom availability

Starting the third week, and every
week after on Wednesdays at 17:20...

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Attendance Policy

- Attendance is mandatory
- You are responsible for all material covered in class, even when you aren't there!
- If you ABSOLUTELY NEED to MISS an exam, go through the official channels to schedule a make-up exam

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Communication

- Course communication will take place via [Teams](#)
- All registered students have already been invited, please make sure you register if you haven't done so
- Class related announcements will be made either during lectures or on the class Teams page
- Students are required check the Teams page regularly for updates

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Class Rules

Please make use of the class time for the best:

- Please arrive on time:
 - We have only one entrance to the classroom!
- Please participate:
 - Ask questions – others may benefit from it as well
 - Respond to questions...

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Have a great semester!

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