

"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

2017-2018 Spring Semester

Syllabus

© 2015-2017 Yakup Genç

Introductions

- There will be two sessions for this course...

Dr. Genc – Instructor:
yakup.genc@gtu.edu.tr

Dr. Yilmaz – Instructor:
byilmaz@gtu.edu.tr

- TAs:
 - Mahmut Rasih Çelenlioğlu
 - N. Tuğbagül Altan Akın
 - TBA
- Office hours for Dr. Genç
 - Mondays 3-4pm, Wednesdays 11-12pm.

February 2018

CSE102 Lecture 00

3

Today

- Introductions
- Syllabus
- Administrative Details

February 2018

CSE102 Lecture 00

2

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
 - The preprocessor
 - Data Structures
 - GUI programming
- Mostly covered in CSE101 and CSE107

February 2018

CSE102 Lecture 00

4

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

February 2018

CSE102 Lecture 00

5

Grading

- Grading (may change slightly during the semester)
 - 35 – Homework
 - 30 – Midterm and Quiz
 - 35 – Final
 - 5 – Attendance (at most)
 - 10 – Extra point for a project (topics to be announced)
- Rules
 - If your Midterm and Final average is less than 40 out of 100, your letter grade might be less than what your overall average suggests
 - Zero tolerance on cheating
 - NA means not sufficient work as shown by HWs, attendance and exams...

February 2018

CSE102 Lecture 00

7

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.

February 2018

CSE102 Lecture 00

6

Quizzes

- There will be two pop quizzes
 - Each quiz will take 20 minutes
- Every one will participate in all of the quizzes

February 2018

CSE102 Lecture 00

8

Homework

- Assignments will be announced through the class web site
 - All assignments should be submitted electronically before the specified deadline
 - No late assignments (strictly enforced)
 - You should collect at least 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
 - Compile?
 - 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 or g++) your programs

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

February 2018

CSE102 Lecture 00

9

Attendance Policy

- Class attendance is mandatory. You will get at most an extra 5 bonus points if you attend all classes. This grade decreases linearly as your attendance decreases and it becomes 0 for the ones attending less than 70%
- 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

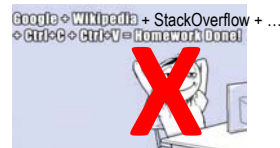
February 2018

CSE102 Lecture 00

11

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
 - At least will get the grade of -100% for that homework
 - And more...



February 2018

CSE102 Lecture 00

10

Communication

- The course communication will be done via Moodle
 - <http://bilmutu.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
 - Ignorantia juris non excusat

February 2018

CSE102 Lecture 00

12

Class Rules

Please be considerate of your classmates:

- Students are expected to show courtesy and respect toward their classmates.
- Please come to class on time. If you are late wait for the break.
- Please make sure that your cellular phone does not interrupt during lecture time, and especially during exams.
- Please do not carry on side discussions with other students during lectures.
- When you have a question, please raise your hand and ask the question so that everyone may benefit from it.