“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

2016-2017 Fall Semester

Syllabus

Today

- Introductions
- Syllabus
- Administrative Details

Introductions

- Dr. Genc – Instructor:
  - yakup.genc@gtu.edu.tr
- Dr. Sevilgen – Instructor:
  - sevilgen@gtu.edu.tr
- TAs:
  - TBA

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
- Introduction to GUI programming

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)
  - 30 – Homework
  - 30 – Midterm
  - 35 – Final
  - 5 – Attendance (at most)
- 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 …

Quizzes

- There will be two quizzes
  - One before midterm examination and one before final examination
  - Quiz times will be announced along the way
  - Each quiz will take 20 minutes
- Every one will participate in all of the quizzes

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

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 N0T 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 considering cheating
- All parties (giving or receiving) involved in cheating will be punished
  - At least they will get the grade of -100
  - And more…

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!

- Attendance for examinations is mandatory. If it is impossible for you to be present at the midterm, you must let us know BEFORE the exam, so a make-up exam can be scheduled

Communication

- The course communication will be done via Moodle
  - 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
  - Ignorantia juris non excusat

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.