

ANKARA UNIVERSITY

Computer Engineering Department

COM101B: Computer Programming I (Fall 2017-18)

Syllabus

Instructor: Dr. Öğr. Üyesi Hacer YALIM KELEŞ

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Textbook:

“Programming in ANSI C”, Kumar & Agrawal, West Publishing Co., 1992

Lecture Notes:

Will also be made available on the Moodle weekly after the class.

Office Hours:

Monday 13:30-15:30

Aim:

This course aims to teach students the basics of computer programming using C Programming Language. Students will learn C programming language thoroughly in one semester. At the end of this course, students will not only learn the syntax and semantics of C programming language, but also complete challenging programming assignments and lab applications.

Course Topics:

We will focus on basic language constructs such as data types, operators, expressions, statements, basic I/O, selective structures, loops, functions, recursion, arrays and pointers, structures and unions, bitwise operations and basic file processing.

This is a 5 credit course which has compulsory 2 hour lab applications each week. The students will be assessed weekly for the content that is covered in the class via lab exams. Lab attendance is important; a student **should not miss more than 3 labs** during the semester.

Course Outline:

Week #	Contents
1	Introduction,
2	Sequential Structures
3	Sequential Structures 2
4	Selective Structure
5	Repetitive structures
6	Repetitive structures 2
7	Functions

8	Functions 2
9	Midterm
10	Arrays and Pointers
11	Arrays and Pointers 2
12	Structures and unions
13	Structures and unions 2
14	Bitwise Operations

Student Assessment:

Item	Weight
Programming Assignments	15%
Labs	15%
Midterm	20%
Final	50%

Class Policies:

- The University Policy on attendance will be observed.
- Students absent during labs and quizzes will get no credit for that particular requirement.
- **Students who are absent for more than 3 labs will FAIL the lab and programming assignments part of the evaluation. Hence, 30% of the course credit will be lost.**
- Any form of **cheating is strictly forbidden**. While students are encouraged to openly discuss the problems conceptually, the work must be the student's own. Exchanging homeworks or lab solutions is cheating and will be reported to the University. At minimum, you will **fail the course**.