**ANKARA UNIVERSITY**

**Computer Engineering Department**

**COM1002: Computer Programming II (Spring 2021-22)**

**Course Syllabus**

**Instructor:** Dr. İrem Ülkü

**Contact:** irem.ulku@ankara.edu.tr

**Reference Textbook:** C: How to Program, Paul J. Deitel, Harvey Deitel, Pearson; 8th edition, ISBN: 978-0133976892



**Lecture Notes:** Will be available on the Moodle weekly.

**Office Hours (OH):** Will be arranged later.

**Course Aim:** This course aims to teach students the basic principles of the computer programming using C Programming Language. Students are expected to be able to use the C programming language to code, document, test, and implement a well-structured, robust computer program.

**Course Content:** This course includes Introduction to C Programming, Structured Program Development in C, C Program Control, C Functions, C Arrays, C Pointers, C Characters and Strings, C Formatted Input/Output, C Structures, Unions, Bit Manipulation and Enumerations, C File Processing and C Data Structures.

**Weekly Schedule:** This is a 5-credit course with 4 lecture hours and 2 laboratory hours each week. The students will be assessed weekly for the content that is covered in the class via laboratory exams. **Laboratory attendance is important, a student should not miss more than 3 labs during the semester.**

**Course Outline:**

|  |  |
| --- | --- |
| WEEK | CONTENTS |
| 1 | Introduction to C Programming |
| 2 | Structured Program Development in C |
| 3 | C Program Control |
| 4 | C Functions |
| 5 | C Functions |
| 6 | C Arrays |
| 7 | C Arrays |
| 8 | **Midterm** |
| 9 | C Pointers |
| 10 | C Characters and Strings |
| 11 | C Formatted Input/Output |
| 12 | C Structures, Unions, Bit Manipulation and Enumerations |
| 13 | C File Processing |
| 14 | C Data Structures |

**Grading:**

|  |  |
| --- | --- |
| **Item** | **Weight** |
| Laboratory\* + Homework | %15 |
| Midterm | %15 |
| Final | %80 |

\*Attendance constraints apply

**Class Policies:**

* The University Policy on attendance (at least %70 for lectures and at least %80 for laboratories) will be applied.
* Students who do not attend more than 3 laboratories will get F4 grade.
* If a student is absent during laboratories and quizzes, this student will get no credit for that particular requirement.
* Any form of cheating is strictly forbidden. Exchanging source codes or laboratory solutions is cheating and will be reported to the University. At least, you will fail the course.