**Instructor:** B. Melis ÖZYILDIRIM (E-mail: mozyildirim\_at\_cu.edu.tr)

**Course Description:**

This course introduces String,

**Textbooks:**

“How to Think Like a Computer Scientist C Version”, Allen B. Downey, C-Version by Thomas Scheffler,2018

“Computer Science: A Structured Programming Approach Using C (3rd Edition)”, Behrouz A. Forouzan, Richard F. Gilberg

**Required Software:** Microsoft Visual Studio ( For C Programming Language)

**References:**

“Computer Systems A Programmer’s Perspective 3rd Edition”, Randal E. Bryant, David R. O’Hallaron

“Computational thinking for the modern problem Solver”, David D. Riley and Kennya. Hunt

 “Pre-programming: Algorithmic Thinking Problem Solving and Programming Practices

Jorge Vasconcelos.Course” <https://www.cs.jhu.edu/~jorgev/cs106/>

 “C Dersi: Programlamaya Giriş”, Nergiz Ercil Çağıltay,C. Fügen Elbes, Gül Tokdemir, Çiğdem Turhan

# Course Schedule:

Week 1: Review

Week 2: Char Array, String

Week 3: Multidimensional Array

Week 4: Pointers I

Week 5: Pointers II

Week 6: String Functions

Week 7: Structures

Week 8: Midterm

Week 9: Union and Enumerator

Week 10: Linked List

Week 11: Problem Solving

Week 12: Text and Binary Files

Week 13: Bitwise Operations

Week 14: Macro, Header Files

Week 15: Project Presentation

**Grading**: Midterm 30 %, Project 10%, Final exam 60 %.

**Notes:**  Follow [**https://gitlab.com/cen111**](https://gitlab.com/cen111)for resources, announcements and homework