YEDITEPE UNIVERSITY
FACULTY OF ENGINEERING

COURSE SYLLABUS
2022 Fall

Course Code-Name	**ES 112: Algorithms and Programming**
Course Schedule	
Instructors	Sec 1, 2: Mustafa B. Mutluoğlu - mmutlu@cse.yeditepe.edu.tr sec 3, 4: Berc Deruni berc890@gmail.com sec 5, 6: Esin Onbaşıoğlu - esin@cse.yeditepe.edu.tr sec 7, 8:
Teaching Assistants	
Textbook	Problem Solving and Program Design in C, by J.R. Hanly, E.B. Koffman. (7th Edition)
Supplementary Materials	
Course Outline	Week-1 Algorithms, Pseudocodes, and Flowcharts Week-2 Algorithms, Pseudocodes, and Flowcharts Week-3 Introduction to C Programming Week-4 Functions Week-5 Decision Statements Week-6 Loops Week-7,8 Loops (while-for) - **Midterm** Week-9,10 Arrays Week-11,12 Pointers and Pointer Arithmetic Week-13 Characters and Strings Week-14 File Processing
Midterm Dates	There is one midterm and a final exam. Midterm - Week 8
Grading *(Tentative)*	Midterm: 35% - Lab 5% Final: 60%
Attendance	80% class, 80% lab attendance is mandatory.

Additional Remarks	• If you fail to attend **at least 80%** of the lectures or laboratory sessions, you will **fail the course** and automatically **receive a grade of FA**. • The book is an important resource for this course, but it will not be followed chapter by chapter. Each exam will cover the material presented in the class. So it is strongly reccomended that you attend all lectures. • Keep in mind that algorithmic thinking and programming is brand new for most of you, and you probably need to allocate more time to this course than others. Specifically, studying on the last night is not the way to go if you intend to pass this course with a reasonable grade.