Course Name	Course Code	Semester	T + P	Credit	ECTS
Algorithm and Programming II		2	3 + 2	4	5

Prerequisite Courses	None

If the language of Code	Turkish
Course class	Compulsory
If the Coordinator of Code	
Instructor	
Assistant Course	No
Objective of Course	Learning algorithms and flow diagrams for computer problem solving. Be able to prepare basic programs by entering C ++ programming language.
Course Learning Output	**The students completed the course:** • Gain the ability to grasp the principles and streaks necessary to solve a problem. • Gain the ability to prepare the algorithm necessary to solve a problem. • Gain the ability to draw the flow charts required to solve a problem.
Contents Course	Performing input-output and simple calculation operations with algorithm and flow diagrams, using control structures and performing cyclic operations.

Weeks	Topics
1	Loop statements (For, While, Do-While)
2	Pointers and preparing sample programs
3	Sub-programs (Function) and sample program preparation
4	Arrays and operations on arrays
5	Sorting and Searching methods
6	Header file usage, error codes, error finding, printer usage
7	Filing and programs used in filing
8	MIDTERM
9	Preparing sample programs about filing
10	Graphic / voice commands and sample programs
11	Exception management (used blocks and statements)
12	Introduction to visual programming
13	Using visual programming objects
14	Using visual programming objects
15	FINAL EXAM

General Sufficiency
A given problem can be expressed as an algorithm, can be shown with the aid of a flow diagram. Ability to write the flow diagram or algorithm with C / C ++ programming language with programming language commands

References
• VATANSEVERF., Algoritma Geliştirme ve Programlamaya Giriş, Seçkin Yayıncılık, 2007. • AKSOY M. S., AKGÖBEK Ö., "C programlama ve Programlama Sanatı", ISBN:975-295-139-2, 414 Sayfa, Beta Basım, İstanbul, 1. Baskı Eylül 2002, 2. Baskı, 2004.

Assessment
Midterm: 40% Final exam: 60% of the project or assignment can be made and announced at the beginning of the semester evaluations.