Akdeniz University

Rektörlük Servis
Rektörlük Servis

ENF 111	Computer Programming				
Semester	**Course Unit Code**	**Course Unit Title**	**L+P**	**Credit**	**Number of ECTS Credits**
2	ENF 111	Computer Programming	0	2	2

Mode of Delivery:
Face to Face
Language of Instruction:
Turkish
Level of Course Unit:
Bachelor's Degree
Work Placement(s):
No
Department / Program:
Rektörlük Servis
Type of Course Unit:
Required
Objectives of the Course:
Basic programming logic, algorithm writing, basic data structures and subprograms to learn the concepts, algorithms and programming, control, loop, learn the concepts of series and to gain competencies in visual programming.
Content of the Course:
Programming, Algoritm, Software
Prerequisites and co-requisities:

Course Coordinator:
Instructor Dr. Uğur Ercan
Name of Lecturers:

Assistants:

Recommended or Required Reading

Resources Algoritma Geliştirme ve Programlamaya Giriş, Dr. Fahri Vatansever, Seçkin Yayıncılık
1. Algoritma Geliştirme ve Programlamaya Giriş, Dr. Fahri Vatansever, Seçkin Yayıncılık 2. Algoritma Geliştirme ve Veri Yapıları, Rifat Çölkesen, Papatya Yayıncılık 3. Algori

Course Category

Mathmatics and Basic Sciences	:	40	**Education**	:	
Engineering	:	40	**Science**	:	
Engineering Design	:	20	**Health**	:	
Social Sciences	:		**Field**	:	

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Introduction to Programming, Basic computer concepts (Program, programmer, programming language)		Lecture Notes
2	General features of programming languages, Classification of programming languages, Software develop		Lecture Notes
3	Basic Programming Concepts, Algorithm concept, Algorithm writing styles, Flowchart		Lecture Notes
4	Basic Programming Concepts, Control and loop concept		Lecture Notes
5	Algorithm Applications, Sequential algorithm, Looped algorithm, Controlled algorithm		Lecture Notes
6	Introduction to a programming language, Presentation of the features of the relevant language, Introduc		Lecture Notes
7	Data structures in programming language, Teaching basic input-output commands		Lecture Notes
8	Midterm		
9	Decision structures (if, if-else,...) in programming language		Lecture Notes
10	Branching structure in programming language (Goto statement), Loop concept (for-next, while, do-while,		Lecture Notes
11	Example application writing with control, loop and deviation structures, Case of in programming language		Lecture Notes
12	Array concept in programming language (One-dimensional, two-dimensional and multidimensional)		Lecture Notes
13	Subprogram and function concept		Lecture Notes
14	Visual Programming concept		Lecture Notes
15	Visual Programming applications		Lecture Notes

Course Learning Outcomes

No	Learning Outcomes
C01	The student has basic, theoretical and applied knowledge about basic information technologies.
C02	The student has knowledge about the design and development of hardware and software solutions.
C03	The student constructs the defined information technology usage problems and models and applies the basic solution suggestions.
C04	The student develops software components with defined specifications.
C05	The student follows the current developments in information and communication technologies with the awareness of the necessity of lifelong learning.
C06	The student communicates with the help of written and visual materials developed using information and communication technologies.
C07	The student uses algorithmic thinking and planning approach in their applications.
C08	The student has a sense of professional and ethical responsibility, and has an awareness of observing professional ethics in informatics applications. It can take the nece

Assessment Methods and Criteria		
In-Term Studies	**Quantity**	**Percentage**
Mid-terms	1	%15
Quizzes	0	%0
Assignment	1	%10
Attendance	1	%10
Practice	0	%0
Project	1	%15
Final examination	1	%60
Total		**%110**

ECTS Allocated Based on Student Workload			
Activities	**Quantity**	**Duration**	**Total Work Load**
Course Duration	14	2	28
Hours for off-the-c.r.stud	8	2	16
Assignments	6	2	12
Presentation	0	0	0
Mid-terms	1	2	2
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	2	2
Total Work Load			**60**
ECTS Credit of the Course			**2**

Contribution of Learning Outcomes to Programme Outcomes

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