ENF 413		Computer Programming with Python			
Semester	**Course Unit Code**	**Course Unit Title**	**L+P**	**Credit**	**Number of ECTS Credits**
7	ENF 413	Computer Programming with Python	4	4	5

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:
Elective
Objectives of the Course:
Learning Python programming. Being able to design an algorithm to solve a given problem and code it with Python
Content of the Course:
Python Programming Introduction, Basic data types, list tuples, dictionary, logic operators, Membership operators, identity operator, if loop, for, while loops, function calling, argument taking, Modules, packages, Exception handling, Class concept, Inheritance,
Prerequisites and co-requisities:

Course Coordinator:
Instructor Hüseyin DURAN
Name of Lecturers:
Instructor Hüseyin DURAN
Assistants:

Recommended or Required Reading

Resources	https://www.python.org/

Course Category

Mathmatics and Basic Sciences	:	25	**Education**	:	5
Engineering	:	25	**Science**	:	10
Engineering Design	:	25	**Health**	:	5
Social Sciences	:	0	**Field**	:	5

Weekly Detailed Course Contents

Week	Topics	Study Materials	Materials
1	Basic algorithm knowledge		
2	Python Programming Introduction		
3	Basic data types, list tuple, dictionary		
4	Logic operators		
5	Membership operators, identity operator, if loop		
6	for, while loops		
7	Calling function, taking arguments,		
8	Modules, packages		
9	Subject repetition		
10	Graphical User Interface		
11	Class concept		
12	Heritage Buildings		
13	Functional programming		
14	Vector operations		

Course Learning Outcomes

No	Learning Outcomes
C01	Knows basic algorithms
C02	Learns Python programming software development environments (IDE).
C03	Learn to code with Python
C04	Learns to design and code an algorithm to solve a given problem

Assessment Methods and Criteria				ECTS Allocated Based on Student Workload			
In-Term Studies	**Quantity**	**Percentage**		**Activities**	**Quantity**	**Duration**	**Total Work Load**
Mid-terms	1	%30		Course Duration	14	4	56
Quizzes	0	%0		Hours for off-the-c.r.stud	14	2	28
Assignment	0	%0		Assignments	0	0	0
Attendance	1	%10		Presentation	0	0	0
Practice	0	%0		Mid-terms	1	10	10
Project	0	%0		Practice	0	0	0
Final examination	1	%60		Laboratory	14	2	28
Total		**%100**		Project	0	0	0
				Final examination	1	16	16
				Total Work Load			**138**
				ECTS Credit of the Course			**5**

Contribution of Learning Outcomes to Programme Outcomes
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