ALGORITHMS AND PROGRAMMING

1	Course Title:	ALGORITHMS AND PROGRAMMING
2	Course Code:	HRTZ105
3	Type of Course:	Compulsory
4	Level of Course:	Short Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	1.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr.Gör. HAKAN KÖSE
15	Course Lecturers:	Öğr. Gör. Rukiye TOPUZ
16	Contact information of the Course Coordinator:	Öğr. Gör. Hakan KÖSE Harita ve Kadastro Programı Gemlik Asım Kocabıyık Meslek Yüksekokulu Tel: (224) 5123491 / 62233 Fax: (224) 5123491 E-posta: kosehakan@gmail.com, hakankose@uludag.edu.tr
17	Website:	
18	Objective of the Course:	To write algorithms and basic programs of practical problems.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	

	1	To take advantage of computer hardware at practical operations.
	2	To analyse programming commands.
	3	To make basic algorithms.
	4	To analyse the flow charts.
	5	To test practical program.
	6	To compare calculators.
	7	To make operations at calculators.
	8	To solve practical problems.
	9	
	10	

21	Course Content:

Course Content:

Week	Theoretical	Practice
1	Computer hardwares	
2	Computer hardwares	
3	Computer networks	
4	Computer software	
5	Data input and output statements	

6	Compare and router commands	
7	Loops	
8	Repeating and Midterm Exam	
9	Series of variables	
10	Subprograms	
11	Algorithms	
12	Algorithms	
13	Flow diagrams	
14	Pocket calculators	

22	Textbooks, References and/or Other Materials:	Ebubekir Y., 2009, Algoritma ve Programlamaya Giriş, Murathan Yayınevi, İstanbul Çelikkol S., 2009, Programlamaya Giriş ve Algoritmalar, Murathan Yayınevi, İstanbul
23	Assesment	

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	40.00
Quiz	0	0.00
Home work-project	2	10.00
Final Exam	1	50.00

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	1.00	14.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	12	4.00	48.00
Homeworks	2	7.00	14.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	6.00	6.00
Others	0	0.00	0.00
Final Exams	1	10.00	10.00
Total Work Load			120.00
Total work load/ 30 hr			4.00
ECTS Credit of the Course			4.00

(overlapping text) Success Grade / Contribution of Final Exam to Success Grade 50.00 / Total 100.00

24 ECTS / WORK LOAD TABLE

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
ÖK2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
ÖK3	4	1	1	1	1	1	1	4	1	1	1	1	0	0	0	0
ÖK4	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0

ÖK5	4	1	1	1	1	1	1	4	1	1	1	1	0	0	0	0
ÖK6	4	1	1	1	1	1	1	1	1	1	2	1	0	0	0	0
ÖK7	4	3	1	1	1	1	1	1	1	1	2	1	0	0	0	0
ÖK8	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0

LO: Learning Objectives   PQ: Program Qualifications

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High