

NON-DESTRUCTIVE TESTING

1	Course Title:	NON-DESTRUCTIVE TESTING
2	Course Code:	GTTS210
3	Type of Course:	Optional
4	Level of Course:	Short Cycle
5	Year of Study:	2
6	Semester:	4
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr.Gör. MUSTAFA PALA
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları.
16	Contact information of the Course Coordinator:	Tel:0 555 9769085 Adres:Uludağ Ün. Teknik Bilimler M.Y.O. Gaz ve Tesisatı Prg. Görükle Kamp/BURSA
17	Website:	
18	Objective of the Course:	1.To teach the students the basic concepts of Non-Destructive Testing. 2. On the basis of theoretical knowledge and practical work skills To gain experience in problem solving. 3. Come to be able to resume work on Non-Destructive Testing.
19	Contribution of the Course to Professional Development:	It reaches the competence to perform non-destructive testing in natural gas steel line welds.
20	Learning Outcomes:	
	1	Knows the basic concepts of nondestructive testing
	2	Knows the physical principles of Radiography
	3	Knows the equipment and radiation sources
	4	Radiographic examination, knows that working conditions and technical schemes
	5	Create a photographic record
	6	Make all calculations and settings related to the non-destructive examination.
	7	Can work in non-destructive testing becomes.
	8	
	9	
	10	
21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Introducing the topics discussed and the course, course objectives and targets must be, course exam evaluating how to be stimulated by	

2	Testing Methods, Industrial Radiographic Testing	
3	Physical Principles of Radiography	
4	Radioactive decay, interaction of radiation with matter	
5	Equipment and radiation sources	
6	Equipment and radiation sources	
7	Photographic records	
8	Repeating courses and midterm exam	
9	Radiographic inspection of working conditions, Inspection Technical Improvements	
10	Selection of tube Voltage and radiation Source	
11	Film Systems and screens Radiation Source-Object distance determination	
12	Radiographic examination accounts	
13	Radiographic examination accounts	
14	Radiographic examination accounts	

22	Textbooks, References and/or Other Materials:	Lecture Notes
23	Assesment	

TERM LEARNING ACTIVITIES		NUMBER	WEIGHT		
Activites		Number	Duration (hour)	Total Work Load (hour)	
Scale					
Theoretical	14	14	2.00	28.00	
Home work-project	0	0.00			
Practicals/Labs	0	0.00	0.00	0.00	
Self study and preperation	14	14	4.00	56.00	
Total	3	100.00			
Homeworks	0	0.00	0.00	0.00	
Projects Grade	0	0.00	0.00	0.00	
Field Studies	0	0.00	0.00	0.00	
Midterm exams	2	2	2.00	4.00	
Total	1	100.00			
Others	0	0.00	0.00	0.00	
Final Exams	2	2	2.00	4.00	
Total Work Load				94.00	
Total work load/ 30 hr	1			3.00	

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	2	1	3	3	1	2	3	2	1	1	2	1	3	2	3	1	
ÖK2	1	1	3	1	1	2	3	2	1	1	2	1	2	3	2	1	
ÖK3	2	1	3	2	1	2	3	2	1	1	2	1	2	2	1	1	
ÖK4	3	1	3	2	1	2	3	2	1	1	2	1	2	1	2	3	

ÖK5	2	1	3	1	1	2	3	2	1	1	2	1	2	2	1	2
ÖK6	2	1	3	1	1	2	3	2	1	1	2	1	2	2	1	1
ÖK7	2	1	3	1	1	2	3	2	1	1	2	1	1	2	1	2
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			