



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Gemstones Lapidary Machines and Equipment							
Course Code		KTT107		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	5	Workload	125 ( <i>Hours</i> )	Theory	4	Practice	2	Laboratory	0
Objectives of the Course		Processing machinery and equipment to learn that the gem stones, according to the safety instructions to use.							
Course Content		Properties of gems stone processing machinery and equipment are covered.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration, Case Study, Individual Study					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

### Recommended or Required Reading

1	Gem stone processing plant and equipment (diamond disks, abrasive powders, markers, templates, drop, stabilizers).
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Week	Weekly Detailed Course Contents	
1	Theoretical	Ornamental stone processing machinery safety
2	Theoretical	Dope, chemical adhesives, waxes, templates, interconnect materials
	Practice	Dope, chemical adhesives, waxes, templates, interconnect materials
3	Theoretical	Automatic cutting machine
	Practice	Automatic cutting machine
4	Theoretical	Manual cutting machine
	Practice	Manual cutting machine
5	Theoretical	Cabochon cutting machine
	Practice	Cabochon cutting machine
6	Theoretical	Automatic Cabochon machines
	Practice	Automatic Cabochon machines
7	Theoretical	Side grinding machine
	Practice	Side grinding machine
8	Theoretical	Horizontal diamond disc
	Practice	Horizontal diamond disc
9	Theoretical	Horizontal diamond discs and facet processing
	Practice	Horizontal diamond discs and facet processing
10	Theoretical	Belt sander
	Practice	Belt sander
11	Theoretical	Abrasive dust and polish dust
	Practice	Abrasive dust and polish dust
12	Theoretical	Horizontal lap sander
	Practice	Horizontal lap sander
13	Theoretical	Glazer
	Practice	Glazer
14	Theoretical	Glazer
	Practice	Glazer



**Workload Calculation**

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	4	56
Lecture - Practice	14	0	2	28
Project	1	0	8	8
Studio Work	1	0	6	6
Midterm Examination	1	10	5	15
Final Examination	1	10	2	12
Total Workload (Hours)				125
[Total Workload (Hours) / 25*] = <b>ECTS</b>				5

\*25 hour workload is accepted as 1 ECTS

**Learning Outcomes**

1	To learn the structure of the stone processing machines jewelry.
2	To carry out the working principles of jewelry processing machinery.
3	To carry out the safe use of jewelry processing apparatus.
4	To carry out the working principles of jewelry processing apparatus.
5	To be able to use lapidary workshop.

**Programme Outcomes (Jewellery and Jewellery Design)**

1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	-
11	-
12	-
13	-
14	-
15	-
16	-
17	-

**Contribution of Learning Outcomes to Programme Outcomes** 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P8	5	5	5	5	5
P11	3	3	3	3	3
P12	3	3	3	3	3
P13	3	3	3	3	3

