AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Gemstone Faceting						
Course Code		KTT200		Couse Level		Short Cycle (Associate's Degree)		
ECTS Credit	4	Workload	100 *(Hours)*	Theory	3	Practice	1	Laboratory	0
Objectives of the Course		Transactions related to the facet of the gem stone cutting is intended to implement the student can be accurate and professional.						
Course Content		This course facet processing of gem stones, facet types, facet angles, geometry and optical physics information describes issues such as repairs of gem stones.						
Work Placement		N/A						
Planned Learning Activities and Teaching Methods			Explanation (Presentation), Experiment, Demonstration, Case Study, Project Based 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).

Week	Weekly Detailed Course Contents	
1	Practice	Move gems to be cut to determine the facet model
2	Practice	Gem stone cutting types
3	Practice	Gem stone cutting types
4	Theoretical	Which gems stones which are suitable for cutting.
	Practice	Which gems stones which are suitable for cutting.
5	Practice	Move gems to be cut to determine facet angles
6	Practice	Geometry information
7	Practice	optical physics
8	Practice	Gems cut stone set according to disaster
9	Practice	Issues to be considered in Facet machine
10	Practice	Jewelry to move facet machine properly to attain
11	Practice	Diamond discs
12	Practice	Obtaining the porosity of the facet surfaces
13	Practice	Obtaining the porosity of the facet surfaces
14	Practice	Cleaning the stone cut gems

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Lecture - Practice	14	1	1	28
Project	3	0	5	15
Midterm Examination	1	5	2	7
Final Examination	1	6	2	8
			Total Workload (Hours)	100
			[Total Workload (Hours) / 25*] = **ECTS**	4

25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	According stone jewelry available to determine the facet model.

2	To learn calculation facet angles.
3	To learn about geometry and optical physics facet cut.
4	Damaged facet gem stone to make the repairs.
5	To develop new facet types.

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	5	5	5	5	5
P12	5	5	5	5	5