



AYDIN ADNAN MENDERES UNIVERSITY
KARACASU MEMNUNE İNCI VOCATIONAL SCHOOL
HANDICRAFTS
JEWELLERY AND JEWELLERY DESIGN
COURSE INFORMATION FORM

| | | | | | | | | | |
|--|---|----------|-------------|--------------|---|----------------------------------|---|------------|---|
| Course Title | Gemstone Faceting | | | | | | | | |
| Course Code | KTT200 | | | Course 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) | Ins. Ufuk ÖREN | | | | | | | | |

Assessment Methods and Criteria

| Method | Quantity | Percentage (%) |
|---------------------|----------|----------------|
| Midterm Examination | 1 | 40 |
| Final Examination | 1 | 60 |

Recommended or Required Reading

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| 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 | 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

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|---|---|
| 1 | According stone jewelry available to determine the facet model. |
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|---|--|
| 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 |

