

Content

| Course Code | Course Name | Semester | Theory | Practice | Lab | Credit | ECTS |
|-------------|--------------------|----------|--------|----------|-----|--------|------|
| GMI215 | Machinery Elements | 3 | 2 | 0 | 0 | 2 | 3 |

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| Prerequisites | |
| Admission Requirements | |

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| Language of Instruction | Turkish |
| Course Type | Compulsory |
| Course Level | Associate Degree |
| Objective | The students who take the lesson will learn about the structure of the machine equipments,tensile and shear strength and bearings |
| Content | The classification of machine equipment -Roller bearing,bolt, pivot -Riveting,Casting,sealing and welding in connections -Gear box |
| References | Lecture,Slides and educational videos |

Theory Topics

| Week | Weekly Contents |
|------|---------------------------------------|
| 1 | The structure of the machine elements |
| 2 | The structure of the machine elements |
| 3 | Constant resistance |
| 4 | Constant resistance |
| 5 | Connections related to the material |
| 6 | Connections related to the material |
| 7 | Connections with forced |
| 8 | Connections with forced |
| 9 | Connections with forced |
| 10 | Roller bearings |
| 11 | Roller bearings |
| 12 | Coupling |
| 13 | Coupling |
| 14 | Coupling |