

Content

| Course Code | Course Name | Semester | Theory | Practice | Lab | Credit | ECTS |
|-------------|--|----------|--------|----------|-----|--------|------|
| EM 511 | Introduction To Engineering Management | 1 | 4 | 0 | 0 | 3 | 8 |

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| Prerequisites | |
| Admission Requirements | |

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| Language of Instruction | Turkish |
| Course Type | Compulsory |
| Course Level | Masters Degree |
| Objective | This course, which is an introduction to the Engineering Management program, aims to provide students/participants of the program with information about basic engineering principles. In this way, it is aimed to ensure that they manage and lead their projects and businesses effectively and efficiently in the institution or business they are involved in. |
| Content | Introduction to Engineering and Engineering Management and Basic Concepts, Historical development of management thought, principles and pioneers, Basic functions of management, Planning and estimation methods in planning, Control functions, Risk Management, Basic engineering calculations, Quality, Productivity, Performance Management. |
| References | |

Theory Topics

| Week | Weekly Contents |
|-------------|---|
| 1 | Project management |
| 2 | Forecasting |
| 3 | Product and service design |
| 4 | Total Quality Management, Statistical quality control |
| 5 | Location strategies |
| 6 | Supply chain management |
| 7 | Midterm |
| 8 | Marketing management and marketing mix |
| 9 | Decision-making approaches |
| 10 | Approaches to decision making under uncertainty |
| 11 | Stock management |