| Course Name | Course Code | Semester | T + P | Credit | ECTS |
|---|---|---|---|---|---|
| Software Engineering | | 5 | 3 + 0 | 3 | 4 |

| Prerequisite Courses | None |
|---|---|

| Language of Course | Turkish |
|---|---|
| Course class | compulsory |
| Coordinator of Course | |
| Instructor | |
| Course Assistant | |
| Objective of Course | To teach the realization phases of software projects and gain project preparation experience. |
| **Course Learning Output** | Application development skills that provide software engineering project management |
| **Course Contents** | Software Engineering, Software Development, Software Project Management |

| Weeks | Topics |
|---|---|
| 1 | Development of computer software and definition of software engineering |
| 2 | Software components and applications |
| 3 | Software development stages |
| 4 | Project management. Risk management. Software measurement |
| 5 | Software Requirements. Types of requirements. Identification of requirements |
| 6 | Design of software. Design principles |
| 7 | MIDTERM |
| 8 | Evaluation of the software's staff |
| 9 | Architectural design |
| 10 | User interface design |
| 11 | Verification and validity |
| 12 | Verification and validity |
| 13 | Trial |
| 14 | Human Resources Management |

| General Sufficiency |
|---|
| Preparing programs suitable for software engineering principles |
| **References** |
| Software Engineering by Ian Sommerville, 6th Edition, Addison-Wesley |
| **Assessment** |
| Midterm exam: 40%, Final exam: 60%; Project or homework evaluations can be made at the beginning of the semester. |