

Content

| Course Code | Course Name | Semester | Theory | Practice | Lab | Credit | ECTS |
|-------------|--------------------------------|----------|--------|----------|-----|--------|------|
| EM 514 | Management Information Systems | 1 | 4 | 0 | 0 | 3 | 8 |

| | |
|------------------------|--|
| Prerequisites | |
| Admission Requirements | |

| | |
|-------------------------|--|
| Language of Instruction | Turkish |
| Course Type | Compulsory |
| Course Level | Masters Degree |
| Objective | The course provides students a fundamental understanding of management information systems concepts and their role in contemporary business. The purpose of the course is to provide students with understanding what is information systems, how the companies in 21st century can gain the competitive advantage by use of IS. The course focus on the key management, organization and technology issues relating to information systems use in business, particularly issues in introduction to the technology concepts underlying modern computing and information management, aligning IS to business strategy, the organization, and business model, and transitioning to digital firm. |
| Content | <ol style="list-style-type: none">1. week : Fundamental concepts of management information2. week : Organization and management of information systems,3. week : Strategy, organization design, and effectiveness4. week : Basic concepts of system analysis5. week : Introduction to databases and database management and basic concepts6. week : Enterprise resource planning systems7. week : Customer relationship management, supply chain management8. week : Mid term9. week : Electronic commerce, electronic business, mobility10. week : Ethics and social responsibility in information systems11. week : Case studies |
| References | <ul style="list-style-type: none">- Laudon K., Laudon J., Management Information Systems: Managing the Digital Firm (12th Edition), 2011.- Ramakrishnan, Gehrke, Database Management Systems, McGraw Hill, 2003.- Daft, R.L., Organization Theory and Design, , South-Western, 9th edition, 2006.- Kendall K.E., Kendall J.E., System Analysis and Design, Prentice Hall, 2007.- Cases related to topics. |

Theory Topics

| Week | Weekly Contents |
|------|--|
| 1 | Fundamental concepts of management information |
| 2 | Organization and management of information system |
| 3 | Strategy, organization design, and effectiveness |
| 4 | Basic concepts of system analysis |
| 5 | Introduction to databases and database management and basic concepts |
| 6 | Enterprise resource planning systems |
| 7 | Customer relationship management, supply chain management |
| 8 | Mid term |
| 9 | Electronic commerce, electronic business, mobility |

| Week | Weekly Contents |
|------|---|
| 10 | Ethics and social responsibility in information systems |
| 11 | Case studies |