

ENGINEERING AND TECHNOLOGY MANAGEMENT
ETM 502 - Project Management
Spring 2019

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Enrollment Key : proman19s

Course Description

The purpose of this course is to introduce and discuss the basic Project Management and Control issues and goals. Mathematical, organizational and behavioral approaches to help solve the associated problems and facilitate reaching the established goals will be elaborated.

Course Outline

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| 1. Week | Feb. 9 | Intro to Modern Project Management |
| 2. Week | Feb. 16 | Organizational Strategy and Projects |
| 3. Week | Feb. 23 | Project Organization |
| 4. Week | Feb. 23 | Defining the Project; Time & Cost Estimation |
| 5. Week | Mar. 2 | Developing a Network Plan – CPM |
| 6. Week | Mar. 9 | Scheduling Resources |
| 7. Week | Mar. 16 | Managing Project Risks; |
| 8. Week | Mar. 23 | Midterm I |
| 9. Week | Mar. 30 | Managing Uncertainty- PERT and Simulation (1) |
| 10. Week | Apr. 6 | PERT/Simulation (2) & MS Project Software |
| 11. Week | Apr. 13 | Reducing Project Time: Time-Cost Trade-off |
| | Apr. 20 | Bahar Tatili |
| 12. Week | Apr. 27 | Performance Measurement and Evaluation |
| 13. Week | May 4 | Midterm II |
| | May 11 | Managing Software Projects (konuk konuşmacı) |

Textbook and References

Project Management - The Managerial Process, C.F. Gray, E.W. Larson, McGraw Hill, 2011, 5th Edition.

Project Management – Engineering, Technology and Implementation, A.Shtub, J.F.Bard, and S.Globerson, Prentice Hall, 2000, 9th Edition

Project Risk Management - Processes, Techniques, and Insights, C. Chapman and S. Ward, John Wiley & Sons, 2000, 5th Edition.

Grading

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| Midterm I | % 26 - 30 |
| Midterm II | % 26 - 30 |
| FINAL | % 40 - 48 |