**NEAR EAST UNİVERSİTY**

FACULTY OF ENGINEERING

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| *Course Code* | ***Com451*** | *Course Title* | **Artificial**  **Intelligence** | |
| *Academic Year* | ***2015-2016*** | ***Spring*** | *Course Credit* | *3* |

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| *Course objectives* | In this course students learn basic of Artificial Intelligence: the foundation of AI. Solving problem by searching, basic representation of planning, expert systems technology, artificial neural network technology, pattern recognition, distributed AI systems and so on. This course also includes programming language of AI-PROLOG with different examples and VP**-**Expert Primer. |
| *Weekly Schedule* | **Week 1.**Introduction to Artificial Intelligence  **Week 2.**Search Strategies in AI  **Week 3.** Fuzzy Logıc  **Week 4.** Fuzzy Set  **Week 5.**Neural Networks (NN)  **Week 6.**Types ofNeural Networks (NN)  **Week 7.** Neural Networks (NN) learning NeroSell Program  **Week 8.** Expert Systems  **Week 9.** VP**-**Expert Primer.  **Week 10.** Programming language of Artificial intelligence-VPX  **Week 11.** Programming language of Artificial intelligence-VPX  **Week 12.** Programming language of Artificial intelligence-Prolog  **Week 13.** Probabilistic Uncertainty Reasoning, Belief Network  **Week 14.** Distributed AI |
| *Textbook(s)/*  *Required Reading* | Artificial Intelligence. A modern approach. Stuart J. Russel and Peter Norvig. New Jersey 1995 |
| *Recommended*  *Reading* | Efraim Turban. Decision support systems and expert systems. Fourth Edition. Prentice Hall. |
| *Grading Criteris* | *Midterm exam 35%*  *Quız 20%*  *Final exam 45%* |