

ARTIFICIAL INTELLIGENCE ACTIVITIES IN EDUCATION

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| 1 | Course Title: | ARTIFICIAL INTELLIGENCE ACTIVITIES IN EDUCATION | |
| 2 | Course Code: | BIL0003 | |
| 3 | Type of Course: | Optional | |
| 4 | Level of Course: | First Cycle | |
| 5 | Year of Study: | 2 | |
| 6 | Semester: | 3 | |
| 7 | ECTS Credits Allocated: | 4.00 | |
| 8 | Theoretical (hour/week): | 2.00 | |
| 9 | Practice (hour/week): | 0.00 | |
| 10 | Laboratory (hour/week): | 0 | |
| 11 | Prerequisites: | None | |
| 12 | Language: | Turkish | |
| 13 | Mode of Delivery: | Face to face | |
| 14 | Course Coordinator: | Prof. Dr. ADEM UZUN | |
| 15 | Course Lecturers: | | |
| 16 | Contact information of the Course Coordinator: | auzun@uludag.edu.tr | |
| 17 | Website: | | |
| 18 | Objective of the Course: | <p>The aim of this course is to provide prospective teachers with knowledge and skills in the following subjects.</p> <p>Intelligence and its characteristics, History, current status and application areas of artificial intelligence, Expert systems, usage areas, components, features and design of expert systems, use of expert systems in education, Intelligent learning systems, Big data in education, Learning analytics, Educational agent, Adaptive learning and adaptive measurement Program development in logical programming</p> | |
| 19 | Contribution of the Course to Professional Development: | This course enables prospective teachers to use artificial intelligence applications in their professional practices. | |
| 20 | Learning Outcomes: | | |
| | | 1 | To be able to explain the concept of artificial intelligence. |
| | | 2 | Being able to identify the structure and components of expert systems. |
| | | 3 | To explain intelligent learning systems and components |
| | | 4 | To be able to explain the properties of logical programming languages. |
| | | 5 | To be able to use a logical programming language at a basic level. |
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| 21 | Course Content: | | |
| | | Course Content: | |

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| ÖK4 | 5 | 4 | 4 | 5 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ÖK5 | 5 | 4 | 4 | 5 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LO: Learning Objectives PQ: Program Qualifications | | | | | | | | | | | | | | | | |
| Contribution Level: | 1 very low | | | 2 low | | | 3 Medium | | | 4 High | | | 5 Very High | | | |