**Course Syllabus**

Academic year: 2020-2021

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| Institution | University of Petroşani |
| Faculty | Mechanical and Electrical Engineering |
| Field of study | Systems Engineering |
| Level | Bachelor |
| Program of study | Automation and Applied Informatics |

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| Course | **Fuzzy systems and Neuronal Networks** |
| Code | 2SA7OS46 |
| Year of study (semester) | IV (I) |
| Number of hours | 56 |
| Number of credits | 5 |
| Professor | Assoc. Prof., Ph.D. EGRI Angela  |

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| **No.** | **Topic** |
|  | Fuzzy systems |
|  | Fuzzy control strategy |
|  | Properties of a management system in fuzzy logic |
|  | Fuzzyfication and defusification  |
|  | Architecture of artificial neuronal networks |
|  | Training neuronal networks |
|  | Deep learning |