**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 | **Microcontrollers - architecture and programming** |
| Code | 2SA6OS38 |
| Year of study (semester) | III (II) |
| Number of hours | 56 |
| Number of credits | 4 |
| Professor | Prof., Habil., Ph.D. Monica LEBA |

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| **No.** | **Topic** |
|  | Automata theory |
|  | Wired logic control |
|  | Programmed logic control |
|  | Microcontrollers 4 and 8 bits |
|  | Microcontrollers 16 and 32 bits |
|  | RISC microcontrollers |
|  | Applications |