**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 | **Computer networks in automation** |
| Code | 2SA7AS51 |
| Year of study (semester) | IV (I) |
| Number of hours | 42 |
| Number of credits | 4 |
| Professor | Lecturer, Ph.D. Riurean Simona |

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| **No.** | **Topic** |
|  | Introduction in Computer Networks |
|  | Topologies and architectures in Computer Networks |
|  | OSI and ICP/IP models |
|  | IPv4 and IPv6. Subnetting |
|  | Ethernet. Frames. Packets.  |
|  | Computers Network Devices. Communication Medium |
|  | Recap and exam preparation |