**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 | **Data acquisition systems** |
| Code | 2SA7AS50 |
| Year of study (semester) | IV (I) |
| Number of hours | 84 |
| Number of credits | 6 |
| Professor | Assoc. Prof., Ph.D. PATRASCOIU Nicolae |

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| **No.** | **Topic** |
|  | LabVIEW programming language |
|  | Digital-to-analogue converters and Analogue-to-digital converters |
|  | Sample-and-hold circuits |
|  | Data multiplexing circuits |
|  | Programmable gain amplifiers |
|  | DAQ circuits structure |
|  | DAQ cards |