**Course Syllabus**

Academic year: 2020-2021

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| Institution | University of Petroşani |
| Faculty | Mechanical And Electrical Engineering Faculty |
| Field of study | Computers And Information Technology |
| Level | Bachelor |
| Program of study | Computers Engineering |

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| Course | **Data acquisition and processing** |
| Code | 2CC7AD49 |
| Year of study (semester) | IV (I) |
| Number of hours | 84 |
| Number of credits | 6 |
| Professor | Assoc.Prof. Patrascoiu Nicolae, Ph.D. |

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| **No.** | **Topic** |
|  | General information on data acquisition and processing |
|  | LabVIEW graphical programming language |
|  | Digital-analog and analog-digital conversion circuits |
|  | Sample-and-hold circuits |
|  | Data multiplexing circuits |
|  | Programmable gain amplifiers |
|  | Data acquisition structure |
|  | Data acquisition cards |