**Course Syllabus**

Academic year: 2020-2021

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| Institution | University of Petroşani |
| Faculty | Mechanical and Electrical Engineering |
| Field of study | Power engineering |
| Level | Bachelor |
| Program of study | Industrial power engineering |

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| Course | **Data Acquisition Systems in Power Engineering** |
| Code | 2II8OS59 |
| Year of study (semester) | IV (II) |
| Number of hours | 56 |
| Number of credits | 4 |
| Professor | Assoc. Prof., Ph.D. UȚU Ilie |

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| **No.** | **Topic** |
|  | Data acquisition and control systems |
|  | Signal conditioning circuits |
|  | Sampling and storage circuits |
|  | Digital to analog converters |
|  | Analog to digital converters |
|  | Data acquisition and distribution systems |
|  | Standard communication interfaces |
|  | Examples of data acquisition systems |