**Course Syllabus**

Academic year: 2020-2021

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| Institution | University of Petroşani |
| Faculty | Mechanical and Electrical Engineering |
| Field of study | Electrical Engineering |
| Level | Bachelor |
| Program of study | Electromechanics |

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| Course | **Transducers, Interfaces and Data Acquisition** |
| Code | 2EE5OD36 |
| Year of study (semester) | III (I) |
| Number of hours | 70 |
| Number of credits | 6 |
| Professor | Assoc. Prof., Ph.D. SAMOILA Liliana |

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| **No.** | **Topic** |
|  | General characteristics of transducers |
|  | Parametric transducers (resistive, inductive, capacitive) |
|  | Generating transducers |
|  | Communication and process interfaces |
|  | Overview and functions of data acquisition systems |
|  | Signal conditioning circuits |