**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 | **Measurements and transducers I** |
| Code | 2SA3OD19 |
| Year of study (semester) | II (I) |
| Number of hours | 70 |
| Number of credits | 6 |
| Professor | Assoc. Prof., Ph.D. UȚU Ilie |

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| **No.** | **Topic** |
|  | Analogue measuring instruments; Voltmeters, ammeters and electronic ohmmeters; Recorders |
|  | Resistance measurement |
|  | Measurement of electrical power |
|  | Measurement of electrical energy |
|  | Measurement of phase and power factor |
|  | Measurement of magnetic quantities |
|  | Measurement of current, voltage, frequency and phase shifting with the oscilloscope |