**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 | **Electrical Technologies** |
| Code | 2EE7AS53 |
| Year of study (semester) | IV (I) |
| Number of hours | 42 |
| Number of credits | 3 |
| Professor | Prof., Ph.D. ARAD Susana |

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| **No.** | **Topic** |
|  | Dust removal installations. Electrostatic dedusting |
|  | Dielectric heating systems |
|  | Electrochemical processing of metals |
|  | Metal processing by electrical discharge process |
|  | Welding of metals with energy stored within the electromagnetic field. |
|  | Plasma and microplasma welding and cutting. Spot welding. |