**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 | **Electrical Networks I** |
| Code | 2II5OD39 |
| Year of study (semester) | III (I) |
| Number of hours | 84 |
| Number of credits | 6 |
| Professor | Assoc. Prof., Ph.D. PASCULESCU Dragos |

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| **No.** | **Topic** |
|  | Power system |
|  | Criteria for sizing the conductors’ section |
|  | Allowable voltage variations to consumers |
|  | Checking networks under engine starting regime |
|  | Equivalent parameters of network elements |
|  | Short circuits in industrial electrical installations. General considerations. Types of short circuits |
|  | Transient phenomenon of short circuit current. |