**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 | **Generation of Electricity and Thermal Energy I** |
| Code | 2II4OD30 |
| Year of study (semester) | II(II) |
| Number of hours | 42 |
| Number of credits | 3 |
| Professor | Assoc. Prof., Ph.D. PASCULESCU Dragos |

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| **No.** | **Topic** |
|  | Primary energy sources |
|  | Power notions used in the operation of power plants |
|  | Daily load curve, construction, specific indicators, coverage |
|  | Electricity generation installations |
|  | Types of power plants |
|  | Conventional steam power plants (SPP). |
|  | Energy balance of SPP |
|  | Solutions to increase the performance SPP |