**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 II** |
| Code | 2II5OD42 |
| Year of study (semester) | III (II) |
| Number of hours | 42 |
| Number of credits | 4 |
| Professor | Prof., Ph.D. PETRILEAN Dan Codrut |

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| **No.** | **Topic** |
|  | DEVELOPMENT OF ENERGY PRODUCTION ELECTRICAL |
|  | CHARACTERISTICS OF POWER PLANTS ELECTRICAL |
|  | CONVENTIONAL STEAM POWER PLANTS |
|  | STEAM GENERATORS |
|  | REDUCTION OF ATMOSPHERIC POLLUTION IN BCC |
|  | CCA THERMAL CIRCUIT |
|  | USE OF COAL IN POWER PLANTS |
|  | CONVENTIONAL STEAM |
|  | GAS TURBINE INSTALLATIONS |
|  | COMBINED GAS - STEAM CYCLES |
|  | COMBINED GAS-STEAM CYCLE WITHOUT |