**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 Section of Power Plants and Stations II** |
| Code | 2II6OD45 |
| Year of study (semester) | III (II) |
| Number of hours | 42 |
| Number of credits | 3 |
| Professor | Assoc. Prof., Ph.D. PASCULESCU Dragos |

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| **No.** | **Topic** |
|  | Internal services network - ISN, related to power plants and power stations |
|  | ISN specific wiring diagrams, typicial for thermal-power plants – TPP |
|  | ISN electrical schemes specific for NPP CANDU. General considerations for NPP CANDU schemes |
|  | Typical schemes related to ISN from HPP (AP) |
|  | ISN schems of high-power pumping stations. |
|  | IS for wind-power plants, WPP. Main types of constructive solutions |
|  | Supply of ISN of electrical stations ISN/ES |