**Course Syllabus**

Academic year: 2020-2021

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| Institution | University of Petroşani |
| Faculty | Mechanical And Electrical Engineering Faculty |
| Field of study | Electrical Engineering |
| Level | Master |
| Program of study | Electromechanical Systems |

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| Course | **Quality of electricity and energy process efficiency** |
| Code | 2MSEAD12 |
| Year of study (semester) | II (I) |
| Number of hours | 70 |
| Number of credits | 6 |
| Professor | Assoc. Prof., Ph.D. STOCHITOIU MARIA DANIELA |

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| **No.** | **Topic** |
|  | Quality energy definition. The causes of non quality of electrical energy |
|  | The electrical energy structure architecture. The energy control. The digital measurement devices |
|  | The energetically aspects. Powers, energies and power factor |
|  | The non sinusoidal stage. The indicators definitionThe non symmetrical stage. The indicators definition |
|  | The electromagnetically pollution. |
|  | Electrical energy quality improvement.  |
|  | Sustainable development |