**Course Syllabus**

Academic year: 2020-2021

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| Institution | University of Petroşani |
| Faculty | Mechanical and Electric Engineering  |
| Field of study | Electrical Engineering |
| Level | Master |
| Program of study | Operation of Industrial Electrical Installations |

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| Course | **Electromechanical Systems with High Energy Efficiency** |
| Code | 2MEIEIAS02 |
| Year of study (semester) | I (I) |
| Number of hours | 98 |
| Number of credits | 7 |
| Professor | Ph.D., Associate Professor **ILIE UTU** |

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| **No.** | **Topic** |
|  | Fundamental notions of energy efficiency |
|  | Initiation, organization and implementation of energy efficiency projects |
|  | Comparison between old and new efficiency classes |
|  | Procedures and modalities for financing investments in energy efficiency |
|  | Standard methods for determining losses and test yields |
|  | Efficiency classes for three-phase induction and cage motors |
|  | Policies for energy efficiency |
|  | Efficiency classes for three-phase induction motors |