**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 | **Modern Energy Conversion Systems** |
| Code | 2MEIEIAD16 |
| Year of study (semester) | II (II) |
| Number of hours | 70 |
| Number of credits | 7 |
| Professor |  Ph.D. Assoc. Professor Stochitoiu Maria Daniela |

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| **No.** | **Topic** |
| 1.
 | The evolution of primary sources and energy conversion systems in Romania and in the world |
|  | Photovoltaic conversion |
|  | Wind energy conversion |
|  | Microhydroenergetic |
|  | Hydrogen as an energy source |
|  | Connection to the National Electric Power System of dispersed sources |