**Course Syllabus**

Academic year: 2020-2021

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

|  |  |
| --- | --- |
| Course | **Digital Protection in Power Systems** |
| Code | 2MEIEIOS08 |
| Year of study (semester) | I (II) |
| Number of hours | 54 |
| Number of credits | 6 |
| Professor | Professor Ph.D. Ion FOTĂU |

|  |  |
| --- | --- |
| **No.** | **Topic** |
|  | Definitions of controllability and reliability. The importance of studies The basics of the theory of numerical protections. |
|  | The stage of introduction of microcomputers in the technique of protections. |
|  | Basic principle of process size monitoring. |
|  | The systematic concept of digital protection. |
|  | Principles of processing electrical quantities in numerical protections. |