**Course Syllabus**

Academic year: 2020-2021

|  |  |
| --- | --- |
| Institution | University of Petroşani |
| Faculty | Mechanical and electric engineering  |
| Field of study | Systems Engineering |
| Level | Bachelor studies |
| Program of study | Automation and Applied Informatics |

|  |  |
| --- | --- |
| Course | **Reliability and Diagnosis** |
| Code | 2SA6OS44 |
| Year of study (semester) | III (II) |
| Number of hours | 42 |
| Number of credits | 2 |
| Professor | Professor Ph.D. Ion FOTĂU |

|  |  |
| --- | --- |
| **No.** | **Topic** |
|  | Electricity quality indicators |
|  | Security of electricity supply to consumers |
|  | Reliability of the scheme |
|  | Reliability study using experimental data |
|  | Postulate of equal reliability |
|  | Markov chains method |
|  | Applications |