**Course Syllabus**

Academic year: **2020-2021**

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| Institution | University of Petroşani |
| Faculty | Mechanical and Electrical Engineering |
| Field of study | Mechanical Engineering |
| Level | Bachelor |
| Program of study | Equipment for Industrial Processes |

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| Course | Reliability and Maintenance Products |
| Code | 2MU5OS41 |
| Year of study (semester) | III (V) |
| Number of hours | 28 |
| Number of credits | 5 |
| Professor | Lecturer Ph.D. Vlad Alexandru FLOREA |

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| **No.** | **Topic** |
|  | Concept of quality and reliability of a technological system |
|  | Mathematical statistical elements operating reliability |
|  | Fundamental expressions or reliability, verification of reliability and concordance tests |
|  | Methods for parameter estimation of reliability |
|  | Reliability of technological system |
|  | Ways and methods to increase the reliability in the design, construction and operation |
|  | Economic aspects of product reliability |
|  | Notion of maintenance, maintainability and availability |
|  | Maintenance systems |
|  | Methods of reconditioning products |
|  | Economic efficiency reconditioning products |