**Course Syllabus**

Academic year: **2020-2021**

|  |  |
| --- | --- |
| Institution | University of Petroşani |
| Faculty | Mechanical and Electrical Engineering |
| Field of study | Industrial Engineering |
| Level | Master |
| Program of study | Design and Computer Aided Design |

|  |  |
| --- | --- |
| Course | Assisted maintenance in manufacturing systems |
| Code | 2CFACOD03 |
| Year of study (semester) | I (I) |
| Number of hours | 42 |
| Number of credits | 6 |
| Professor | Lecturer Ph.D. Vlad Alexandru FLOREA |

|  |  |
| --- | --- |
| **No.** | **Topic** |
|  | Introduction to the maintenance of technical systems |
|  | Types of maintenance |
|  | Maintainability |
|  | Availability |
|  | Wear of parts |
|  | Analysis of falls and failures |
|  | Planning and organizing maintenance activities |
|  | Maintenance costs |
|  | Economic efficiency of maintenance activity |
|  | Reconditioning and repair of used parts |