

Course Syllabus

Academic year: 2018-2019

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|------------------|---------------------------------------|
| Institution | University of Petroșani |
| Faculty | Mechanical and Electrical Engineering |
| Field of study | Industrial engineering |
| Level | Bachelor |
| Program of study | Machine Building Technology |

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|--------------------------|---|
| Course | Basics of Computer Assisted Tech. Design |
| Code | 2BB7OD52 |
| Year of study (semester) | IV (VII) |
| Number of hours | 56 |
| Number of credits | 4 |
| Professor | Lecturer eng,Ph.D. FLOREA Vlad-Alexandru |

| No. | Topic |
|-----|---|
| 1. | Concept of quality and reliability of a technological system |
| 2. | Mathematical statistical elements operating reliability |
| 3. | Fundamental expressions or reliability, verification of reliability and concordance tests |
| 4. | Methods for parameter estimation of reliability |
| 5. | Reliability of technological system |
| 6. | Ways and methods to increase the reliability in the design, construction and operation |
| 7. | Economic aspects of product reliability |
| 8. | Notion of maintenance, maintainability and availability |
| 9. | Maintenance systems |



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| 10. | Methods of reconditioning products |
| 11. | Economic efficiency reconditioning products |

