

Ministry of Education

UNIVERSITY OF PETROSANI



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Course Syllabus

Academic year: 2018-2019

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

| Course | Mechanical vibrations |
|--------------------------|-----------------------------------|
| Code | 2BB4OD27 |
| Year of study (semester) | II (IV) |
| Number of hours | 42 |
| Number of credits | 3 |
| Professor | Professor eng.,Ph.D. ANDRAŞ Iosif |

| No. | Topic |
|-----|--|
| 1. | Introduction in the theory of mechanical vibrations. |
| 2. | Mechanical vibration kinematics. |
| 3. | Vibrations in lines with one degree of freedom. |
| 4. | Line vibrations to systems with more frequencies of freedom. |
| 5. | Vibrations of systems continue. |