**Course Syllabus**

Academic year: 2020-2021

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| Institution | University of Petroşani |
| Faculty | Mechanical and Electrical Engineering |
| Field of study | Mechanical engineering, Industrial engineering |
| Level | Bachelor |
| Program of study | Mining machinery and equipment, Equipment for industrial processes, Industrial safety engineering |

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| Course | **Tribology** |
| Code | 2MM6OD47 |
| Year of study (semester) | III (6) |
| Number of hours | 56 |
| Number of credits | 4, (3) |
| Professor | Assoc.prof. PhD eng. PRAPORGESCU Gabriel |

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| **No.** | **Topic** |
|  | Tribo-technique of friction surfaces. Surface topography. |
|  | Friction. Theories and laws of dry friction. Friction regimes. Thermal aspects of friction. |
|  | Wear. The evolution of wear. Wear curves. Types of wear. Permissible wear limits. Wear measurement methods. |
|  | Lubrication. Types of lubricants. Types of additives, Lubrication systems. |