

## Course Syllabus

Academic year: 2018-2019

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

Course	<b>Tribology</b>
Code	2BB6OD42
Year of study (semester)	III (VI)
Number of hours	42
Number of credits	3
Professor	Assoc. Prof., Ph.D. PRAPORGESCU Gabriel

No.	Topic
1.	Tribotechnics of friction surfaces. Surface topography.
2.	Rubbing. Theories and laws of dry rubbing. Friction modes. Thermal Aspects of Friction.
3.	Wear. Evolution of wear. Curves of wear. Types of wear. Running. Admissible wear limits. Wear measurement methods.
4.	Oiling. Types of lubricants. Types of additives, Lubrication systems. Choice of lubricant and lubrication system for different friction couplings.