

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	Technology of cold pressing
Code	2BB7OD54
Year of study (semester)	IV (VII)
Number of hours	56
Number of credits	5
Professor	Lecturer eng,Ph.D. ITU Vilhelm

No.	Topic
1.	Straightening (planing - calibration). Highlighting. Constriction.
2.	Swelling and flare. The reflection. Threading.
3.	Cold plastic deformation of massive semifinished products. General considerations. Pushing and dropping. Volume training. Calibration. Stamping and marking.
4.	Extrusion. Hydrostatic extrusion.
5.	Rolling of metallic materials.
6.	Mechanization and automation of cold pressing processes. Tapes feeders.
7.	Feeders for individual semi-finished products. Mechanization and automation of removal of parts and waste from the tool. Mechanization and automation of command and control.
8.	Cold plastic deformation with high powers and speeds. Explosion deformation.



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9.	Deformation by electrohydropulples. Magnetic pulse deformation.
10.	Pressing equipment. Mechanical presses with eccentric and knee.
11.	Swelling and flare. The reflection. Threading.