

Óbuda University Donát Bánki Faculty of Mechanical and Safety Engineering		Institute of Mechanical Engineering and Technology Department of Manufacturing Technology	
Course title and code: <i>Mechanical engineering practice II</i> , BGGYME2BNF, BGGYME3BNF, BGGGME3BNE, BAGGM2ENND Credits: 0			
Full-time, 2024/2025 academic year. 1. Semester			
Faculties in which the subject is taught: Donát Bánki Faculty of Mechanical and Safety Engineering, Institute of Mechatronics and Vehicle Engineering			
Lecturer instructor	Szabolcs Major	Instructor	Szabolcs Major
Prerequisites conditions (code)		Mechanical engineering practice I, BGGGME2BNE, BAGGM1ENND	
Hours per week:	Lecture: -	Practice: 1	Laboratory: - Consultation: -
Semester closing way: (required)	Signature		
Curriculum			
The objective of the course: To present the basic effects of cutting, parts and operation of milling, cutting proceedings.			
Schedule			
Educational weeks	Lecture	Exercise	
week 1		Orientation (basic notes of course, group assignment, exoneration) Safety instructions.	
week 2		Basics of milling, parts of milling machine, handling of the machine	
week 3		Drilling machine's structure, movement, radial drilling machine demonstration	
week 4		Drilling technologies	
week 5		Cutting practice I. – Face milling	
week 6		Cutting practice II. – Corner milling	
week 7		Cutting practice III. –Pocket milling	
week 8		Cutting practice IV. – Groove milling	
week 9		Cutting practice V. – Drilling and pattern	
week 10		Cutting practice VI.- Slotting	
week 11		Free practice- Mold manufacturing	
week 12		Free practice- Mold manufacturing	
week 13		Free practice- Mold manufacturing	
week 14		Substitution of omissions	
Conditions of getting signature: <ul style="list-style-type: none"> - Participation on the exercises. - Compulsory on the 70 % of the exercise classes. - Failure of this means no signature for the fulfilment of the semester. - No opportunity to retry. 			
Bibliography:			
Course book: Ambrusné dr. Alady Márta, Galla Jánosné, dr. Sipos Sándor: A Gépgyártástechnológia alapjai I. (lecture notes)			

