

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 I.</i> BGGGME2BNE, BAGGM1ENND			
Credits: 0			
Full-time, 20022/2023 academic year. 2. Semester			
Faculties in which the subject is taught: Donát Bánki Faculty of Mechanical and Safety Engineering, Institute of Mechanical Engineering and Technology, Department of Manufacturing Technology			
Lecturer instructor	Szabolcs Major	Instructor	Szabolcs Major
Prerequisites conditions (code)		-	
Hours per week:	Lecture: -	Practise: 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 lathe, cutting proceedings.			
Schedule			
Educational weeks	Lecture	Exercise	
week 1		Labour safety, introducing the cutting technology	
week 2		Basics of Measuring tools	
week 3		Basics of lathe machine	
week 4		Lathe tools and its Using	
week 5		Accessories of lathe machine.	
week 6		Lathe machine using, basic principles	
week 7		Lathe work practice I. – touch of work-piece surface, carriage motion	
week 8		Lathe work practice II. – turning, face turning, chamfering	
week 9		Lathe work practice III. – drilling, boring	
week 10		Education vacation	
week 11		Lathe work practice IV. – thread turning	
week 12		Lathe work practice- machining a complex shaft	
week 13		Free practice	
week 14		Free practice, Substitution of omission	
Conditions of getting signature: <i>compulsory on the 70 % of the exercise classes. Failure of this means no signature for the fulfilment of the semester. No opportunity to retry.</i> Calculation practice mark: none, get signature with the corresponding number of participations.			
Bibliography:			
Course book: Ambrusné dr. Alady Márta, Galla Jánosné, dr. Sipos Sándor: A Gépgyártástechnológia alapjai I. (lecture notes) Contents of Moodle course			

Budapest, 24 February 2023

Lecturer instructor