

<b>Óbuda University</b> <b>Donát Bánki Faculty of Mechanical and Safety Engineering</b>		Institute of Mechanical Engineering and Technology Department of Manufacturing Technology	
<b>Course title and code: Mechanical engineering practice I, BAGGM1ENND, BGGGME2BNE, BGGYME2BNF</b> <b>Credits: 0</b>			
Full-time, 20025/2026 academic year. 2. Semester			
Faculties in which the subject is taught: mechanical engineering, mechatronics engineering			
Lecturer instructor	Szabolcs Major		Instructor Szabolcs Major
Prerequisites conditions (code)		-	
<b>Hours per week: 2</b>	<b>Lecture: -</b>	<b>Practise: 1</b>	<b>Laboratory: -</b> <b>Consultation: -</b>
Semester closing way: (required)		Signature	
<b>Curriculum</b>			
The objective of the course: To present the basic effects of cutting, parts and operation of milling, cutting proceedings			
<b>Schedule</b>			
<b>Educational weeks</b>	<b>Lecture</b>	<b>Exercise</b>	
week 1		Labour safety, requirements	
week 2		Basics of Measuring tools	
week 3		Tolarence,type of Fit, calculation, demonstration	
week 4		Basics of tools, using, parts of lathe machine	
week 5		Technology parameters and setting the machine	
week 6		Basics of lathe machine using	
week 7		Lathe work practice I. – facing, straight turning, synchronizing measurment system	
week 8		Lathe work practice II. threading, chamfering, grooving	
week 9		Lathe work practice III. taper turning	
week 10		Lathe work practice IV. – drilling, boring	
week 11		Lathe work practice V. – internal threading, fitting	
week 12		Free practice	
week 13		Free practice	
week 14		Free practice, Substitution of omission	
Conditions of getting signature: <ul style="list-style-type: none"> <li>- Participation on the exercises.</li> <li>- Compulsory on the 70 % of the practices (f.e. 14classes x 0,7=9,8 up to 10times signature)</li> <li>- Failure of this means no signature for the fulfilment of the semester.</li> <li>- No opportunity to retry.</li> </ul>			
<b>Bibliography:</b>			
Course book: <ul style="list-style-type: none"> <li>- Ambrusné dr. Alady Márta, Galla Jánosné, dr. Sipos Sándor: A Gépgyártástechnológia alapjai I. (lecture notes)</li> <li>- Metal Cutting Theory and Practice by David A. Stephenson, John S. Agapiou</li> <li>- Contents of Youtube channel</li> </ul>			

Budapest, 16 January 2026

Lecturer instructor