

Óbuda University <i>Donát Bánki Faculty of Mechanical and Safety Engineering</i>		Faculty / area of education: BGK Institute of Material Sciences and Technology	
Subject name and code: Mechanical engineering practice I. BGGGME2BNE, BAGGM1ENND Credit:0 <i>Track: Full Time Training Session: 2020/2021 Semester: 1</i>			
List of specialist : NG, NM			
Responsible for course:	Dr. Richárd Hortváth Technical Instructor	Instructors:	1 – Szabolcs Major
Preliminary requirement: (with code)	-		
Weekly hours:	Theoretical: -	Practical: 2	Labour: - Consultation: -
Requirement type:	Signature		
Curriculum			
<i>Target of course:</i> To present the basic effects of cutting, parts and operation of lathe, cutting proceedings.			
Timing			
Week	Topic		
1	<i>Orientation</i> (basic notes of course, group assignment, exoneration) <i>Introduction of cutting.</i>		
2	<i>Basics of cutting.</i>		
3	<i>Specialties of turning.</i>		
4	Safety instructions. Measuring tools.		
5	Cutting data (cutting speed, feed, depth of cutting, etc).		
6	Parts of lathe machine. Clamping of work-piece.		
7	Work-piece preparation (cutting with ribbon saw). Simple lathe work operations.		
8	Lathe machine using, basic principles		
9	Lathe work practice I. – touch of work-piece surface, carriage motion		
10	Lathe work practice II. – turning, face turning, chamfering		
11	Lathe work practice III. – drilling, boring		
12	Lathe work practice VI. – thread turning		
13	Lathe work practice V. – form surface turning (spherical surface, cone)		
14	Lathe work practice VI. – special surface-planning (nurl, hatching)		
Supplement type: according to Study and examination regulations of Óbuda University			
Fulfilment of Requirement: Signiture: participation on practice			
Literature: Ambrusné dr. Alady Márta, Galla Jánosné, dr. Sipos Sándor: A Gépgyártástechnológia alapjai I. (lecture notes)			
Other study-aid: www.bgk.uni-obuda.hu/ggyt			