

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: 2019/2020 Semester: 2</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 TVSZ				
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				