

Óbuda University Bánki Donát Faculty of Mechanical and Safety Engineering				Institute of Mechanical Engineering and Technology			
Subject title and code:		Technical Polymers BAKTNTBPNF				Credits: 0	
Full-time study		ac. semester				year	
The course is available at:		mechatronical engineering					
Supervised by:		Prof. Dr. Tünde Kovács		Instructors:		Mariam Shbanah, Hassanen Jaber	
Prerequisite (neptun code):							
Weekly number of lessons							
Lecture:		Group seminar: 2		Lab:		Consultation:	
Way of assessment:		Signature (Written)					
Online consultation (in case it's required): ... (BBB link)							
Edu. goal:		Students learn about engineering polymers, their properties, usage and manufacturability in English. During the course, students master the basics of engineering polymers and gain practical knowledge that they can directly utilize in their own research..					
Schedule							
Education week		Topics					
1.		Introduction of polymers					
2.		Technical polymers and their properties					
3.		Homework consultation					
4.		Manufacturing of polymers					
5.		Additive manufacturing of polymers					
6.		Homework consultation					
7.		Technical applications of polymers					
8.		Polymers in composites					
9.		Homework consultation					
10.		Material testing of polymers					
11.		Summary					
12.		Homework presentation					
13.		Homework presentation					
14.		Homework presentation					
Mid-semester requirements							
Test		Assignment to be submitted		Szöveg beírásához kattintson vagy koppintson ide.			
amount	dates	amount	deadlines	amount	dates		
0		1	14th week	0			
According to the HKR attendance of group seminars and lab exercises are mandatory.							
Other requirements for participation in sessions not covered by the regulations and restrictions on substitutions:							
Test		Assignment to be submitted		Szöveg beírásához kattintson vagy koppintson ide.			
maximum points available	minimum score required to pass /test	maximum points available	minimum score required to pass / assignment	maximum points available	minimum score required to pass /lab		
...points	...points	100points	40points	...points	...points		
Total number of points achievable in semester:		100points					

Grading thresholds	satisfactory 40 choose	average 55 choose	good 70 choose	excellent choose
Other evaluation criteria:				
Receive a signature denied entry:	Akinek a hiányzásai meghaladják a HKR szerint megengedett mennyiséget. Nem adja be a házifeladatot			
Required references:	Moodle			
Recommended references:	C.V. Pious, Sabu Thomas (2016): Polymeric Materials—Structure, Properties, and Applications. DOI: 10.1016/B978-0-323-37468-2.00002-6			
Quality assurance methods of the subject:				

Things, that are not included, can be found within the regulations of Óbuda University.

Budapest 2026.08.15.

Prof. Dr Kovács Tünde
Tárgyfelelős