	As	sessment and	Subj	ect]	Description			
Óbuda University Kandó Kálmán Faculty of Electrical Engineering			Institute of Microelectronics and Technology					
	code:Fine m	echanics, KMEF	M15T	EC	Cr	edits:	3	
Full time, 5th sen	nester							
Prerequisites:			r		[
^	Dr. Lendvay Marianna PhDTeaching Staff:Dr. Bugyjás József Phi Meszlényi György						D	
Prerequisites:								
Contact hours per week:	Lecture: 1	Class discussio					orial: -	
Assessment and evaluation:	and Grade from the test during semester							
Subject description								
	e ability to a						ics faste	nings and
	a <i>a</i>	Topics:					Week	Lessons
1st lecture: Concept of fine mechanics, overview of fine mechanical products. Fastenings with elastic deformation (screw fastenings, key joints, bayonet catch, twist joints, press joints, grouting joints)							1.	2
Lab hours for screw fastenings							2.	2
2nd lecture: Joints with plastic deformation (riveting, flanging, plaiting joining by curling, lugged joints.). Fastenings with material							3.	2
Lab hours for fastenings with material.							4.	2
3th lecture: Operation elements of fine mechanics: springs.							5.	2
Lab hour for determination of fine mechanical springs							6.	2
4th lecture: Driving elements: shafts, bearings, edge-type conical bearing							7.	2
Lab hour for determination of cone angle							8.	2
5th lecture: Driving and transforming elements: gears, gear drives, friction drives, threaded drives							9.	2
Lab hours for drives							10.	2
6th lecture: Revision and preparations for the test							11.	2
Missing lab hours							12.	2
Test about theoretical part							13.	2
Correction of fail mid-semester notes.							14.	2
		Mid-semester asses	ssmen	t and	l evaluation		I	
 "pass" tes scores) "pass" res midsemes calculated missing la 	t result of lec ult of lab hou ter note will in 60% b hours and	s are mandatory. etures materials duri urs, and documentat be defined accordin fail tests can be repo es can be corrected	ion by g to th eated o	prote test	ocol, t result and notes of on 14th,	of prot	tocols. To	
		Recommended						
Putnoki István: Engineering design, BMF-BGK-55, Bp 2004, 87/2003								
Dr.Elinger István-Dr.Goda Tibor: : Engineering design- Theory and Practice, BMF BGK 3022, Bp,2006								
Bugyjás József: Elektromechanikus szerkezetek elemei, BMF KVK-2019, Bp 2003								
1. Dr. Petrik Olivér: Finommechanika, Műszaki Könyvkiadó, Budapest 1974								
		e Bauelemente, VE			<u> </u>			
		mente der Feinmecl		-		ünche	en, 1993.	
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