Engineering Subject title	and code:	PLC knowledges	RMVDI EEDN	JIF	C	edits:
Subject tide (Full-time		_	, DNIAFLESD N semester	(L	Cre	euns:
T GIT TITLE	2021	year	semester			
The course is	available at:	mechatron	nical engineering	7		
Supervised b	y: István	Nagy	Instructors:	Ákos Jányok	i	
Prerequisite	(neptun code):		Engineering			
-	١؞	•	mber of lessons		1~	
Lecture: 1	Group ser	ninar: 0	Lab:	2	Consultation:	see, consul ation's time
Way of asses	sment: Exam	(Written)				
	ltation (in case it's		BBB link)			
Educational goal:	The aim of education PLC programming. simulation's model,	In the exercises the and TIA portal.	he students will p			
	1	Sc	chedule			
Education week	Topics					
1.	PLC main compo	onents and gener	rations			
2.						
3.	PLC processors- structures, bit/byte/modular, organized PLCs; Counters/timers/merkers: HW ad SW realizations;					
4.						
5.	PLC I/O modules; PLC OS structure and basic SW components (modules) of op. system;					
6.						
7.	PLC programming standards and programming languages: IL, FBD, SFC, LD, GraphCet.					
8.	•					
9.	PLC communications (CS)		BUS systems,	access mode	s, master-slave)
10.						
11.	Rector's Holyday					
12.						
13.	Final pre-exam, theory test paper					
14.		3.51.3				
		Mid-semest	er requirement	ts		
	Test	Assignment	to be submitted		Lab measureme	nt
amount	dates	amount	deadlines	amo	unt d	lates
1	13th week					
	the Study and Exam ises are mandatory.	ination regulation	ıs of Óbuda Üni	versity attend	ance of group se	eminars
Other requires substitutions:	ments for participat		•	regulations an	d restrictions on	1
The lectures a	re mandatory, max.	30% absence is a	llowed			

maximum	minimum score	maximum	minimum score	maximum points	minimum	l
points	required to pass	points available	required to pass /	available	score required	l
available	/test		assignment		to pass /lab	l
100points	50points	100points	points	points	points	l

Total number of points achievable in semester:points					
Grading thresholds	satisfactory 50-65% choose	average 66-79% choose	good 80-89% choose	excellent >90 % choose	
Other evaluation critif the TOTAL (pracoffered.		of evaluation is over	60% the recommen	ded mark is	
Receive a signature denied entry:					
Required reference	s: http://siva.banki.hu\jeg	gyzetek\mechatronikai_alapis	smeretek\English_Mechatr\PI	LC_Control\	
Recommended references:	see, moddle				
Quality assurance subject:	methods of the				

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