Óbuda University Bánki Donát Faculty of Mechanical and Safety Engineering			Insitute of Mechatronics and Vehicle Engineering				
Subject title ar	d code:	Reliability of Med	chatronic Construc	ctions	Credits: 3		
		NMEI_MBE4_00	_ANG				
Full-time s	tudy 23/	24 ac. 2 s year	semester				
The course is a	vailable at:	mechatron	ical engineering				
Supervised by:	László	Pokorádi	Instructors: Lá	szló Pokorádi			
Prerequisite (n	eptun code):						
T	l a	•	mber of lessons	اما	•		
Lecture: 2	Group sem		Lab:	Consult	ation:		
Way of assessn	nent: Choose	(Choose)					
	ation (in case it's i	required): (I	BBB link)				
Educational							
goal:		Co	hedule				
Education		SC.	Topics				
week			Topics				
	Theoretical Background						
	Reliability of Units						
	System Reliability I. Systems with Simple Interconnections						
	Fault Tree Analysis						
	Event Tree Analysis						
	Bow-Tie Analysis						
	System Reliability II. Systems with Complex Interconnections						
8. 1	Failure Mode and Effect Analysis						
9.	Sensitivity Analysis of System Reliability						
10.	Ishikawa Analysis						
11. I	Pareto Analysis						
12.	Test						
13.	Consultation						
14. I	Retake						
		Mid-semest	er requirements				
Т	Test A		to be submitted	Lab measurement			
amount	dates	amount	deadlines	amount	dates		
1	12th week						
	e Study and Exam es are mandatory.	ination regulation	s of Óbuda Univers	rity attendance of g	roup seminars		
Other requirements substitutions:	ents for participati	on in sessions not	covered by the regu	ulations and restrict	ions on		
Test Assignm		Assignment t	to be submitted	Lab measurement			
maximum points available points	minimum score required to pass /test points	maximum points availablepoints	minimum score required to pass / assignment points	maximum points available points	minimum score required to pass /lab points		
	I		<u> </u>		I		

Total number of points achievable in semester: ...points

Grading	satisfactory	average	good	excellent					
thresholds	choose	choose	choose	choose					
Other evaluation criteria:									
Receive a signature Who does not write the test.									
denied entry:									
Required references: Igor A. Ushakov, Handbook of Reliability Engineering, John Wiley & Sons,									
	1994.								
Eric Bauer, Xuemei Zhang, and Douglas A. Kimber, Practical System									
Reliability Institute of Electrical and Electronics Engineers, Inc., 2009									
Recommended Moodle electronic materials									
references:									
Quality assurance i	methods of the	Meeting after the semester, taking into account student							
subject:		feedback.							

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