Information sheet for the course Testing and Certification of Rubber Products

University: Alexander Dubček University	of Trenčín
Faculty: Faculty of Industrial Technologie	
Course unit code: MI-I-V-19	Course unit title: <i>Testing and Certification of</i> <i>Rubber Products</i>
Type of course unit: optional	
Planned types, learning activities and tea	aching methods:
Lecture: 2 hours weekly/26 hours per seme	
Seminar: 0	
Laboratory tutorial: 0	
Number of credits: 2	
Recommended semester: 3 rd semester in	
-	the 2 nd year part-time
Degree of study: the 2 nd degree of study (En	ngineer's degree)
Course prerequisites: none	
Assessment methods:	
	nal project. The topic of project is predetermined and
	Final valuation (test) – writing part – 8.5 points from minimally 15 points for A valuation, 13 points for
	points for D valuation and 8.5 points for E valuation.
Learning outcomes of the course unit:	
0	wledge about standardization and quality control with
	s and raw materials. Student has knowledge about
1 1	ng and principles of the most widely used tests in the
1 0 01 0	ut international conditions of certifications, European
legislation and commercial certification sys	stems in Europe.
Course contents:	
1. Standardization in the quality control.	
2. Slovak technical standard (STN) and in	
3. The accreditations of testing laboratorie	
4. Testing of physical, mechanical and che	
5. Testing of physical, mechanical and che	
6. General principles of the quality contro	
7. Specifics of standardized testing proceed	calibration and statistical procedures in the quality
control.	cultoration and statistical procedures in the quality
<i>9.</i> Short-term and long-term mechanical te	ests of nolvmers
10. Dynamic cyclic tests, tests of fatigue and	
11. Testing of electrical and thermal proper	
	olymer flammability and resistance of polymers
against the environment.	
Recommended of required reading:	
1. Prekop, Š. a kol.: Gumárenská technológ	gia II. GC TECH TnUAD, Trenčín, 2003
÷	rológia a skúšanie plastov, STU Bratislava, 2006.
	é suroviny a jejich spracování, Praha VŠCHT, 2009.
200 s. ISBN 978-80-7080-713-2.	
4. Príslušné STN normy.	

Language: Slovak								
Remarks: The	course is in sum	mer semester.						
Evaluation his	tory							
Number of stud	ents: 0							
Α	В	С	D	Е	FX			
0.0	0.0	0.0	0.0	0.0	0.0			
Lecturers: doc.	. Ing. Petra Skal	ková, PhD.						
Last modificat	ion: 31.03.2014							
Supervisor: p	rof. Ing. Darina	Ondrušová, Ph	ıD.					