Information sheet for the course Selected Chapters from Degradation Processes and Prediction of Life

University, Alarandar Duktah IL	n of Thomasin				
University: Alexander Dubček Universit					
Faculty: Faculty of Industrial Technologi					
Course unit code: MI-I-PV-27	Course unit title: Selected Chapters from Degradation Processes and Prediction of Life				
Type of course unit: optional					
Planned types, learning activities and te	eaching methods:				
Subject of state examination / face-to-face					
Number of credits: 2					
Recommended semester: 4 th semester in					
6 th semester in the 3 rd year part-time					
Degree of study: the 2 nd degree of study (H					
	npulsory and compulsory optional courses in the				
curriculum, including course unit code MI-I-PV12A "Degradation Processes and Prediction of					
Life"					
Assessment methods:					
Successful completing of the subject of the	e state examination				
Learning outcomes of the course unit:					
The student successfully completes the sul	bject of the state examination				
Course contents:					
Definition of a technical object (TO)					
Systemic approach to dealing with difficul	lt issues				
Potential origination and prediction of lin	nit states of TO				
Characteristics and definition of degradat	tion processes of TO				
Procedure applied in analyzing degradati	on and failure of TO				
Character of failure and procedure of ass	essment of the cause of failure of TO				
Forensic engineering in material science					
Expert engineering					
Fracture mechanics and process of fractu	re in selected materials				
Calculation of residual life of TO					
Recommended references and resource	s:				
1. POKLUDA, J., KROUPA, F., OB	DRŽÁLEK, L. Mechnické vlastnosti a struktura				
pevných látek. Brno 1994. p. 386.					
	nalysis and Prevention, Vol. 11, pp. 1039-1071.				
	etí vybraných oborů pro techniky. Učební texty.				
CERM,VUT, p.1234, Brno 2007					
Language: Slovak					
8 8	ect can be mentioned: e.g. that the subject can be				
itemating to the subj	eer ean ee mennonea. e.g. mai me subjeer ean be				

presented only in the winter semester, or if at least 15 students are enrolled, or if the capacity of the subject is limited to 40 students then from a higher number students can be selected to fit the capacity

Evaluation history: Number of classified students : 0							
А	В	С	D	Е	FX		
0.0	0.0	0.0	0.0	0.0	0.0		
Lecturers: prof. Ing. Františka Pešlová, PhD.							
Last modification: 31.03.2014							
Supervisor: Prof.Ing. Darina Ondrušová, PhD.							