Information sheet for the course CNC programming systems

University: Alexander Dubček University of Trenčín						
Faculty: Faculty of special technology						
Course unit co	de: MŠT/B/3-50)/d	Course unit	title: CNC prog	gramming systems	
Type of course	unit: compulse	ory				
Planned types,	learning activi	ities and teachi	ng methods:			
2 hours of lectures per week, 2 hours laboratory exercises per week, face to face method						
Number of credits: 4						
Recommended semester: 6 th semester in the 3 rd vear (full-time)						
6 th semester in the 3 rd year (part-time)						
Degree of study: I. (bachelor)						
Course prerequisites: MŠT/B/4-55/d Computer Aided Design						
Assessment methods:						
100% participation in laboratory exercises (without no-show) transfer semestral project min						
50% attendance at lectures demonstrate knowledge of subject content in written practical and						
oral examination	oral examination					
Learning outcomes of the course unit:						
The student will acquire theoretical and practical knowledge of programming CNC systémovy						
control systems and automation of manufacturing systems, computer-aided CAD / CAM CATIA						
V5 Acquisition of theoretical and practical knowledge of creation and of all levels of						
programming and production CNC systems						
Course contents:						
Course contents. CNC control systems in machanical anginaaring CAD/CAM systems in the production process						
CNC control systems in mechanical engineering. CAD / CAM systems in the production process.						
Methous for programming CIVC systems. Introduction to Programming CIVC production systems						
at the workshop, and plant operation. Application creation of technological processes and						
iemporal shay of the production process with software analytical and graphical support systems $EANLIC CNC ISO CLUDE EOD EANLIC NC (Turning Milling) HEIDENHAIN (TUC520 (2D))$						
FANOL UNU ISO GUIDE FOR FANOL NU (IURNING, MUUING), HEIDENHAIN UNC330 (3D Milling) and CATLA V5D20 NC MANUE ACTUDING (Truming, Milling)						
Multing) and CATTA V5R20 NC MANUFACTURING (Turning, Multing).						
Kecommended of required reading:						
STULPA, M.: UNC obrabeci stroje a jejich programovani. BEN Prana 2006, ISBN 978-80-7300-						
20/-/						
MAJEKIK, J., SANDOKA, J.: Nove progresivne nastroje a metody technologie obrabania. FST						
INUAL ITENCIN 2012, ISBN 978-80-8075-515-7, EAN 9788080755-157.						
GE FANUE AUTOMATION UNC: MANUAL GUIDE 1 - Turning, 2007, 125 stran, -1.st edit. GE						
Januc Automation UNC Europe S.A. Echternach, Luxembourg.						
GE FANUE AUTOMATION UNC: MANUAL GUIDE 1 - Milling, 2007, 125 stran, -1.st edit. GE						
<i>Januc Automation UNC Europe S.A. Echternach, Luxembourg.</i>						
IECHNOCENTRUM CAD - Turning and Muting applications of CATIA V3 NC Manufacturing,						
530 stran, 2007, TC CAD Liberec, Czech Republic.						
Language: Slovak, English						
Kemarks:						
Evaluation history:						
Total number of students being evaluated:						
A	В	С	D	E	FX	
0,0	0,0	0,0	0,0	0,0	0,0	
Lecturers: doc. Ing. Harold Mäsiar, CSc.						
Ing. Jozef Majerík, PhD.						

Last modification: 15.4.2014

Supervisor: Assoc. prof. Ing. Peter Lipták, CSc., guarantee of the study program "Mechanisms in Special Technology".