

Information sheet for the course CA design in engineering

University: <i>Alexander Dubček University of Trenčín</i>					
Faculty: <i>Faculty of special technology</i>					
Course unit code: <i>MŠT/B/2-19/d</i>			Course unit title: <i>CA design in engineering</i>		
Type of course unit: <i>compulsory</i>					
Planned types, learning activities and teaching methods: <i>2 hours per week lectures, laboratory exercises 2 hours a week, face to face method</i>					
Number of credits: <i>5</i>					
Recommended semester: <i>4th semester in the 2nd year (full-time)</i> <i>6th semester in the 3rd year (part-time)</i>					
Degree of study: <i>I. (bachelor)</i>					
Course prerequisites: <i>MŠT/B/4-55/d Computer Aided Design I</i>					
Assessment methods: <i>100% participation in laboratory exercises, the attainment of goals laboratory exercises, min. 60% attendance at lectures, properly finished project, demonstrate knowledge of subject content in written and oral examination.</i>					
Learning outcomes of the course unit: <i>The student has knowledge of cross-CA systems, their distribution and the possibilities of their deployment in engineering firms. The student is familiar with the methodology, methods and principles in different areas of computer aided mechanical engineering with a focus on application usage at a level corresponding to the current state of knowledge.</i>					
Course contents: <i>Automation of mechanical engineering, Computer Aided Systems - CA systems, Computer aided product design - CAD, Computer Aided Design technological documentation - CAPP, Computer Aided Manufacturing - CAM, Computer aided integrated design and manufacturing - CAD / CAM, Computer Aided Management and Production Planning - PPS, Computer aided design technology, Computer Aided manufacturing Engineering - CAPE, Computer aided quality control - CAQ, simultaneous engineering, management and data management - PDM Integration CA systems.</i>					
Recommended of required reading: <i>KURIC, I. a kol. Počítačom podporované systémy v strojárstve. Vydavateľstvo EDIS, Žilina, 2002.</i>					
Language: <i>Slovak</i>					
Remarks:					
Evaluation history <i>Total number of students being evaluated: 0</i>					
A	B	C	D	E	FX
0	0	0	0	0	0
Lecturers: <i>Assoc.prof. Ing. Zuzana Jamrichová, PhD.</i> <i>Ing. Jozef Majerik, PhD.</i>					
Last modification: <i>15.4.2014</i>					
Supervisor: <i>Assoc. prof. Ing. Peter Lipták, CSc., guarantee of the study program „Mechanisms in Special Technology“</i>					