

Information sheet for the course Computer-assisted Design I.

University: Alexander Dubček University of Trenčín					
Faculty: Faculty of special technology					
Course unit code: SaOA/B/4-55/d			Course unit title: Computer-assisted Design I.		
Type of course unit: compulsory					
Planned types, learning activities and teaching methods: 2 hours laboratory exercises per week, attendance teaching method					
Number of credits: 3					
Recommended semester: 2 nd semester in the 1 st year (full-time) 2 nd semester in the 1 st year (part-time)					
Degree of study: I. (bachelor)					
Course prerequisites: none					
Assessment methods: Final assessment: min. 85% participation in exercises smax. 2 justified by the absence, preparation, submission and evaluation of term papers as required by instructor.					
Learning outcomes of the course unit: The student will understand the basic knowledge of solid modeling in CATIA V5R20. Notify the possibilities of using CAD system in the design process for modeling simple 3D models and assembly units including the creation of a complete technical documentation according to the standards STN standards.					
Course contents: Sketcher - creating 2D geometry, Part Design - 3D modeling components, Assembly Design - connecting components in assembly kits, Drafting - drawing documentation.					
Recommended of required reading: TICKOO, S.: CATIA – kompletní průvodce, Computer Press, Brno 2012, ISBN 978-80-251-3527-3. FABIAN, M., SPIŠÁK, E.: Navrhování a výroba s pomocí CA.. technologií v CATIA v5. Edice vědecké a odborné literatury, Brno, 2009, ISBN 978-80-85825-65-7. Dassault Systemes: Dokumentacia CATIA V5R20. VÁVRA, P. a kol: Strojnícke tabuľky.					
Language: Slovak					
Remarks: The subject is provided in the summer semester I. year of full-time study. Subject is required.					
Evaluation history Total number of students being evaluated: 433					
A	B	C	D	E	FX
34,18	26,79	21,02	7,16	3,7	7,16
Lecturers: Ing. Ludmila Šimoňaková, PhD. – lecturer					
Last modification: 15.4.2014					
Supervisor: prof. Ing. Alexej Chovanec, PhD., guarantee of the study program, „ Vehicles Maintenance and Repair “.					