Subject information sheet

University: Alexander Dubček University of Trenčín	
Faculty: Faculty of special technology	
Course unit code: KSTM/1-74/d/18	**Course unit title:** Computer Aided Design in Catia I

Type, scope and method of educational activities:
  Types of education: Lecture / Practical / Laboratory practical
  Recommended duration of education (in hours):
  Per week: 0 / 0 / 2 **For the whole period of study:** 0 / 0 / 24
  Study method: present

Number of credits: 6

Recommended semester/trimester of study:

Degree of study: N

Prerequisites:

Conditions for the accomplishment of the course unit:
100% participation in exercises, fulfillment of assigned tasks of individual exercises and professional terminology (max. 2 excused absences), elaboration of semestral work, individual work for non-participation in exercises. Final evaluation: written test with emphasis on theoretical knowledge from the main part of the subject and oral answer (max. 40 points). Rating: (E): 22-25 points, (D): 26-29 points, (C): 30-33 points, (B): 34-37 points, (A): 38-40 points.

Learning outcomes:
The student has a cross-sectional knowledge and overview of technical diagnostics, and individual diagnostic methods. They will also gain knowledge and knowledge of engine, transmission and chassis diagnostics, diagnostics of groups, subgroups and components, machine performance parameters, clearances in mechanisms, tightness of working areas, etc. parallel and serial diagnostics of electrical and electronic systems.

Brief course unit content:
Sketcher - creating 2D geometry, Part Design - 3D part modeling, Assembly Design - joining parts into assembly assemblies, Drafting - creating drawing documentation.standards standards.

Recommended Literature:
1] UNIV, S.T.P.: Catia V5-6r2015 for Designers. Cadcim Technilogies, 2016, 802 pp., ISBN 978-1-9426-8921-8.
[2] 1. TICKOO, S.: CATIA – kompletní průvodce, Computer Press, Brno 2012, ISBN 978-80-251-3527-3.
[3] COZZENS, R..: Catia V5 Workbook, SDC Publications, 405 pp, ISBN 978-1-585-03544-1.

Language which is necessary for accomplishment of the course unit:
English

Notes:

Course evaluation passed/failed Number of evaluated students: 18					
A	B	C	D	E	Fx
77.78	22.22	0.0	0.0	0.0	0.0

Teachers: doc. Ing. Jozef Majerík, PhD.

Last modification date: 27.09.2022

Approved by: