

Subject information sheet

University: Alexander Dubček University of Trenčín					
Faculty: Faculty of special technology					
Course unit code: KKaŠT/1-93/d/18		Course unit title: Final Project			
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: Active participation in lectures, elaboration of the final work according to the instructions of the teacher. Maximum excused absence in two lectures. Presentation of achieved results. The final grade will consist of the evaluation of active work in lectures and the evaluation of the final work.					
Learning outcomes: The student masters the work with electronic resources in English. Can analyze a design problem and find a suitable solution. With the help of construction and modeling software, he is able to prepare a digital model of the construction solution, which he can subsequently optimize from the material or strength point of view.					
Brief course unit content: Basics of working with 3D modeling software, basic machine parts and their use, selection of a suitable material from the strength point of view, calculation of the load of simple structures.					
Recommended Literature: [1] M. Tooley, Design Engineering Manual, Elsevier, 2010, ISBN: 978-1-85617-838-9. [2] E.W. Aslaksen, Designing Complex Systems, Auerbach Publ., 2008, ISBN: 1-4200-8753-3. [3] A.C. Ugural, Mechanical Design of Machine Components, CRC Press, 2015, ISBN: 978-1-4398-8781-3.					
Language which is necessary for accomplishment of the course unit: English					
Notes:					
Course evaluation passed/failed Number of evaluated students: 7					
A	B	C	D	E	Fx
57.14	28.57	14.29	0.0	0.0	0.0
Teachers: doc. Ing. Maroš Eckert, PhD.					
Last modification date: 27.09.2022					

Approved by: