COMPUTER GRAPHICS

Title of Study Programme and Code	Type (compulsory/optional)	Cycle	Year of study when the component is delivered (if applicable)
Information Systems Engineering 6531EX043	Compulsory	1st	1st year
Semester/trimester when the component is delivered	**Number of ECTS credits allocated**	**Language of instruction**	**Mode of delivery (face-to-face/e-learning/…)**
2nd	5 ECTS	English	Face-to-face

Learning outcomes		Study methods	Assessment methods
After completion of the study subject, a student should be able to:		Interactive lecture; Individual work; Information sources study; Practical work; Project work; Consultations.	Assessment of practical work; Test; Assessment of individual project work.
LO 1	Select, install and maintain necessary application software.		

Prerequisites (these courses must be sucessfully completed prior to taking this particular course)
Information Technologies, Programming Fundamentals, Discrete Mathematics

Course content

1. Introduction to computer graphics.
2. Introduction to *AutoCAD*.
3. 3D modeling and rendering.
4. Transformations in Two Dimensions.
5. *AutoLISP* language and its functions.

Recommended or required reading and other learning resources/tools

1. Tutorial Guide to AutoCAD 2018. SDC Publications, 2018. Internet access: https://static.sdcpublications.com/pdfsample/978-1-63057-120-7-2.pdf
2. An Introduction to AutoCAD for Beginners. AutoDesk, 2017. Internet access: https://images-na.ssl-images-amazon.com/images/I/C1BxaOC0-IS.pdf
3. AutoCAD 2017 Preview Guide. AutoDesk, 2017. Internet access: https://www.cadstudio.cz/dl/autocad2017winpreviewguide.pdf
4. Lockhart Sh. Tutorial Guide to AutoCAD 2016. SDC Publications, 2015. Internet access: https://www.crcpress.com/Tutorial-Guide-to-AutoCAD-2016/Lockhart/p/book/9781585039562#googlePreviewContainer
5. Auto Design 2016 Preview Guide. Internet access: https://www.cadstudio.cz/dl/autocad2016winpreviewguide.pdf
6. Randy H. Shih . SDC PUBLICATIONS. AutoCAD 2016 Tutorial First Level 2D Fundamentals. Internet access: http://www.sdcpublications.com/pdfsample/978-1-58503-959-3-1.pdf
7. *AutoDesk* Internet site http://www.autodesk.com