University of Bielsko-Biala

The title of the course	**Logic**
Faculty	Faculty of Management and Transport
The level of studies	Bachelor Studies or Engineering Studies
Semester	Winter or summer
The form of classes and number of hours	15 h
Classes conducted for Polish students. Erasmus students can join them	No
Language of instruction	English
The number of ECTS	2 ECTS Lectures and Exercises with the teacher 15h Student's own work: • Homeworks 25 h • Preparation for the test 10 h TOTAL: 50 h
Teacher	Jarosław Jabłonka, PhD
The aims of the course (maximum 500 characters)	The aim of the course is to familiarize students with the basic concepts of logic and theory of argumentation. During the course, formal and logical issues as well as reasoning and argumentation will be discussed. Thanks to this course, the student should better formulate his thoughts, express himself more precisely, and select reasonable arguments in the discussion.
The content of the course: main topics and key ideas	A sentence in the sense of logic. Natural Languages and Logical forms of sentences. Deductive reasoning. Definitions. Divisions and classifications. Arguments and argumentation.
Didactics methods	Lecture Method Content-Focused Methods Problem Solving Methods Creative Thinking
Course requirements	No
Literature (basic and supplementary)	Ziembiński Z., Practical Logic, Springer Science+Business Media Dordrecht, 1976 Hansson S. O., Hendricks V. F. (eds.), Introduction to Formal Philosophy, Springer International Publishing AG, part of Springer Nature, 2018 Silver B., Grammar, Philosophy, and Logic, Palgrave Macmillan Cham, 2018 van Eemeren F. H., Argumentation Theory: A Pragma-Dialectical Perspective, Springer Nature Switzerland AG, 2018

	de Swart H., Philosophical and Mathematical Logic, Springer Nature Switzerland AG 2018
The effects of the education - **knowledge** - **skills** - **social competences**	Knowledge: A student I able to define basic concepts related to logic, formulate elements of general methodology and formal logic. Skills: A student • can correctly and accurately express thoughts using language, • can give a definition • can find an argument, • can find gaps and errors in argumentation. Social competences: A Student can discuss using appropriate arguments. A Student can organize his/her work, respecting ethical and professional standards.