



**JOHN WESLEY THEOLOGICAL COLLEGE
COURSE TEMATICS**

Course: History of Science	Course type: lecture	Credits: 3	Course ID: KTAV137
Course responsible: Zsuzsanna Plank	Programme type: correspondence	Hours/Semester: 10	Assessment: exam
Course objectives: The students learn the formation of currently accepted principles and paradigms of Science.			
Competencies to be improved: <u>Knowledge:</u> T1: Familiar with the general disciplines of Science. T3: Familiar with the theories, principles and paradigms of Environmental Science. <u>Ability:</u> K3: Able to apply in practice the theories, principles and paradigms of Environmental Science. K8: Able to understand and apply the online and offline literature of his/her field of expertise. <u>Attitude:</u> A4: Seeks to make self-education one of the means to achieve his/her professional goals. <u>Autonomy and responsibility:</u> F2: Being aware of the value of professional scientific statements, their applicability and limitations.			
Compulsory literature: An Environmental History of the World, Humankind's changing role in the community of life, Second edition J. Donald Hughes https://zodml.org/sites/default/files/%5BJ._Donald_Hughes%5D_An_Environmental_History_of_the.pdf Markha, Adam: A Brief History of Pollution, 1994. Recommended literature: Carlo Rovelli: Reality Is Not What It Seems: The Elusive Structure of the Universe and the Journey to Quantum Gravity Derek Wall: Green History, 1993.			
Course content: The course introduces the main milestones of scientific discoveries and inventions. Course thematic: <ol style="list-style-type: none"> 1. Mathematics-development of calculation and algebra, route from Euclidean to Computation Geometry. 2. Physics-Classical and modern approach of description of the world. 3. Universe-route from flat Earth theory and geocentric world to expanding universe theories. 4. Life-theories on origin of life, evolution and structure of human body. 5. Technology-main technological inventions 			
Course requirements: Course materials with the lecturer's video commentary are downloadable in Neptun Meet Street in the time of the classes indicated in the timetable. Completing 2 electronic control tests on the materials of the previous two classes, each with satisfactory grade. The tests are assigned as course tasks in the Neptun system. Submitting of one course assignment. Electronic exam. Exam grade can be offered based on the average grade of mid-term tests and course assignment.			
Grading scale: Control test grades: >90 %: excellent, 75-89.9 %: good, 60-74.9 %: satisfactory, 45-59.9 %: pass Exam grades: >90 %: excellent, 80-89.9 %: good, 65-79.9 %: satisfactory, 50-64.9 %: pass			
Course Programme: WJLF ENVIRONMENTAL SCIENCE	Semester: 2021autumn	Lecturers: Zsuzsanna Plank	