



**JOHN WESLEY THEOLOGICAL COLLEGE
COURSE THEMATICS**

Course: Sustainability I	Course type: seminar	Credits: 3	Course ID: KTAK122
Course responsible: Dr Zsuzsanna Plank	Programme type: full time	Hours/Week: 2+0	Assessment: exam
Course objectives: The students get familiar with global sustainability problems with a focus on the environment. They learn about the main initiatives of the European Union related to maintaining sustainable environment.			
Competencies to be improved: Knowledge: T4 Ability: K3, K6, K8 Attitude: A2, A6, A8 Autonomy and responsibility: F1, F2			
Compulsory literature: Manuscripts and online documents provided by the lecturer.			
Recommended literature: EU Sustainable Development Strategy : https://ec.europa.eu/environment/sustainable-development/strategy/index_en.htm			
Course content: <ol style="list-style-type: none"> 1. Sustainability-basic principles. Basic definitions. Global problems of sustainability. Problems linked to sustainability. Environmental sustainability. Land use problems, land use priorities: theory and examples. Legal background of Natura 2000 Net. 2. Sustainable supply of natural resources. Primary and secondary raw materials: past-present-future. Quality and quantity of industrial waste. Industrial waste as raw material resource: waste management for sustainability. Advanced environmental site rehabilitation. Waste Initiative of EU. 3. Impact assessment methods. Objectives of environmental impact assessment and related EU regulations. Most well-known assessment methodologies in theory and practice: environmental footprint, life cycle analysis, evaluation matrixes. 4. EU initiatives contributing sustainable environment Theory, impacts and application in everyday practice. Circular Economy Action Plan, Green Public Procurement, Zero Waste Philosophy. 			
Course activity: <ul style="list-style-type: none"> - individual review of related literature subscribed by the lecturer - course seminar - teamwork practice of the course material 			
Course requirements: Attendance at classes, project assignment, electronic exam. Offered exam grade possible after active class attendance.			
Grading scale: >90 %: excellent, 80-89.9 %: good, 65-79.9 %:satisfactory, 50-64.9 %:pass			
Course Programme: WJLF ENVIRONMENTAL SCIENCE	Semester: 2020_2021_spring	Lecturers: Dr Zsuzsanna Plank	