



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 development.			
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">Sustainability-basic principles. Basic definitions. Global problems and the meaning of sustainability. Historical overview. Sustainability models. Social and environmental conflict zones: Maslow pyramid and land use conflicts.Environmental sustainability. Land use problems, land use priorities: theory and examples. Legal background of Natura 2000 Network: Birds and Habitats Directives. Human activities contra nature protection. EU's authorization and impact assessment directives.Issues of sustainable raw material supply. Raw material categories:renewable and non-renewable raw materials. Rare elements, critical raw materials. Primary and secondary raw materials: past-present-future. The raw material life cycle. EU's Raw Material Initiatives.Sustainable waste management. Waste characterization, origin of waste, waste types. Degradable, hazardous, space and floating waste: origin, impact and treatment methods. Sustainable waste path. EU's Waste Snapshot and Waste Initiative.Economic issues of sustainability Linear and circular supply chains. EU for sustainable economy: European Green Deal, Circular Economy Action Plan, Green Public Procurement, Green Deal Investment Plan.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.Social sustainability. Theory, impacts and application in everyday practice. Eu's initiatives in individual level: Zero Waste Philosophy, Zero Waste Strategy, Zero Waste City.			
Course activity: <ul style="list-style-type: none">- course seminar- teamwork practice of the course material- practical courses in external locations (2 occasions)			
Course requirements: Attendance at classes, project assignment, fulfilment of 2 midterm tests, electronic exam. Offered exam grade possible in case of active class attendance and completing of mid term tests and assignments.			
Grading scale: >90 %: excellent, 80-89.9 %: good, 65-79.9 %: satisfactory, 50-64.9 %: pass			
Course Programme: WJLF ENVIRONMENTAL SCIENCE	Semester: 2021_2022_spring	Lecturers: Dr Zsuzsanna Plank	



**JOHN WESLEY THEOLOGICAL COLLEGE
COURSE THEMATICS**

