



**JOHN WESLEY THEOLOGICAL COLLEGE
COURSE THEMATICS**

Course: Environmental Technology II.	Course type: seminar	Credits: 2	Course ID: KTAK128
Course responsible: Dr Bernadett Balázs	Programme type: part time	Hours/Semester : 10	Assessment: practical course
Course objectives:			
The aim of the course is to introduce the serious climate change affecting our planet, its causes and possible consequences.			
Competencies to be improved:			
Knowledge: T2, T6, T7 Ability: K2, K3, K8 Attitude: A2, A8, A9 Autonomy and responsibility: F1, F2			
Compulsory literature:			
John Houghton (2009). Global Warming: The Complete Briefing			
Recommended literature:			
Todd Miller (2017). Storming the Wall - Climate Change, Migration, and Homeland Security			
Course content:			
A brief history of CO ₂ emissions, Emissions of greenhouse gases, Global warming to date, Temperature increase, CO ₂ in the atmosphere, Global CO ₂ emissions change, CO ₂ emissions per capita, Annual CO ₂ emissions, Cumulative CO ₂ emissions, Consumption-based CO ₂ emissions, CO ₂ emissions by fuel, CO ₂ emissions by sector, Global inequalities in CO ₂ emissions, Total greenhouse gas emissions, Future emissions, Atmospheric GHG concentration, CO ₂ emissions and prosperity, CO ₂ intensity and economics			
Course requirements:			
Attendance of 80% of classes, assignments to submit, test			
Grading scale:			
>90%: excellent, 89-80%: good, 79-70%: satisfactory, 69-60%: pass			
Course Programme: WJLF ENVIRONMENTAL SCIENCE	Semester: 2020_2021_2	Lecturer: Dr Bernadett Balázs	