Course Descriptions None 2022-2023

Course Title	Environmental Science and Technology
Course Code	BENC2026
ECTS Credits	5,0
Assessment	Whole/Half Grades

Period

Period	Start	End	Mon	Tue	Wed	Thu	Fri
1	5-9-2022	21-10-2022					

Level	no level
Coordinator	Thomas Butterworth For more information:t.butterworth@maastrichtuniversity.nl
Language of instruction	English
Goals	Students will be able to: * Describe in their own words current environmental challenges and the science that underlies them * Describe a broad range of potential technological solutions to these environmental challenges, whilst demonstrating critical understanding of their benefits and limitations * Analyse and evaluate scientific and engineering literature to determine the key messages * Confidently present complex scientific and engineering content in a professional manner
Description	PLEASE NOTE THAT THE INFORMATION ABOUT THE TEACHING AND ASSESSMENT METHOD(S) USED IN THIS COURSE IS WITH RESERVATION. A RE-EMERGENCE OF THE CORONAVIRUS AND NEW COUNTERMEASURES BY THE DUTCH GOVERNMENT MIGHT FORCE COORDINATORS TO CHANGE THE TEACHING AND ASSESSMENT METHODS USED. THE MOST UP-TO-DATE INFORMATION ABOUT THE TEACHING/ASSESSMENT METHOD(S) WILL BE AVAILABLE IN THE COURSE SYLLABUS. The impact of human activity threatens the destruction of the natural environment, yet the natural environment is essential to sustain human activity. Here, we will study both the most pressing environmental challenges together with their potential solutions. Emphasis is given to the underlying science and technology of these challenges and solutions. We will cover a diverse range of topics, ranging from climate change to diversity loss, and from geoengineering to carbon capture. This course uses a student-centric learning approach based on flipped classrooms and peer teaching. Students can expect that they will have to give a presentation at least once every two weeks.
Literature	
Prerequisites	
Keywords	
Teaching methods	Groupwork
Assessment methods	Portfolio / Presentation
Evaluation in previous academic year	For the complete evaluation of this course please click http://iwio-sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM

This course belongs to the following programme / specialisation

Bachelor Business Engineering	Year 3 Elective Course(s)
SBE Exchange Bachelor	Bachelor Exchange Courses
SBE Exchange Master	Bachelor Exchange Courses