



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



Technische
Hochschule
Georg Agricola

Program DAAD Summer School 2022

Tag 1: 27/06/2022		Introduction to Sustainability and Resource Efficiency	
	Time	Topics	Lecturer
	09:00 – 09:30	Opening Remarks from the President - An Introduction To THGA	Prof. Dr. Jürgen Kretschmann
	09:30– 10:00	Tour of the University And Laboratories	International Office
	10:00 – 10:15	Coffee Break	
	10:15 – 11:15	Basic Concepts Of Sustainability – SDG's Sustainable Development Goals United Nations	Prof. Dr. Alfred Niski/Olaf Drusche
	11:15 – 13:00	Raw Materials in Our Daily Life and the Importance of SDGs in Raw Material Sector (Key note speech followed by group work)	Dr. Tansel Dogan/ Dr. Ing. Stefan Möllerherm
	13:00 – 14:00	Lunch Break	
	14:00 – 16:00	Lego Serious Play: Round of Introductions by Students, Networking Activities and Group Work (basic case of sustainability)	Prof. Dr. Heike Kehlbeck/ Marie Dowling
	16:15 – 18:15	Cultural Program - Guided City Tour of Bochum	Bochum Marketing/ International Office
Day 2: 28/06/2022		Sustainability & Energy efficiency	
	Time	Topics	Lecturer
	09:15– 10:45	Resource Efficiency: Renewables and Modern Nuclear Power	Prof. Dr. Jochen Arthkamp
	10:45 – 11:00	Coffee break	
	11:00 – 12:30	How Much Mining Do We Need? (lecture including group work)	Prof. Dr. Ludger Rattmann
	12:30 – 13:30	Lunch Break	
	13:30 – 16:00	Academic Tour of the German Mining Museum	
	18:00 – 20:00	Evening Program – Bowling	International Office

Day 3: 29/06/2022	Sustainability in Practice – Green Companies of the Future		
	Time	Topics	Lecturer
	09:00– 11:00	Business Models for the Circular Economy	Prof. Dr. Heike Kehlbeck/ Alexis Figeac
	11:00 – 11:15	Coffee Break	
	11:15 – 13:00	Pitch Perfect – Things to Consider when Presenting Your Green Business Idea	Prof. Dr. Heike Kehlbeck/ Christoph Sollich
	13:00 – 14:00	Lunch Break	
	14:00 – 17:00	Excursion to Zeche Zollverein, Essen (UNESCO World Heritage) – Guided Tour of the Industrial Monument	Prof. Dr. phil. Roman Hillmann
Day 4: 30/06/2022	Excursion Day Geotechnics		
	Time	Topics	Lecturer
	09:00 – 13:00	Theoretical Introduction about Investigations on Abandoned Municipal Waste Deposits, Sounding and Measurement Technology and the Energetic Use of Landfill Gas and Land Remediation	Prof. Dr. Frank Otto/ Dipl.-Chem. Jürgen Kanitz/ Prof. Dr.-Ing. Sebastian Janßen
	10:45 – 11:00 Coffee Break		
	13:00 - 14:00	Lunch Break	
	14:00 – 17:30	Practical Implementation of Two Exploratory Boreholes With MRZB; Latest Drilling Technology from Carl Hamm in Bochum; Practical Extension to Gas Measuring Points; Practical Implementation of Gas Extraction Tests Including Measurement Technology; Surveying Technology in Open Air	Prof. Dr. Frank Otto/ Prof. Dr.-Ing. Sebastian Janßen
Day 5: 01/07/2022	Sustainability in Surveying and Geotechnics - Excursion to the Möhne Dam and Power Plant		
	Time	Topics	Lecturer
	09:00 – 16:00	Excursion to Möhne Dam: Visit of the Dam and Power Plant; Boat Tour on the Möhne	Prof. Dr.-Ing. Sebastian Janßen/ Prof. Dr. Frank Otto
	18:00 – 21:00	Farewell Dinner and awarding of summer school certificates at Paulaner Botschaft (Traditional Bavarian restaurant)	Prof. Dr. Kretschmann/ Daniela Naumann-El Kady