



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



Technische  
Hochschule  
Georg Agricola

## Program DAAD Summer School 2022

<b>Tag 1: 27/06/2022</b>		<b>Introduction to Sustainability and Resource Efficiency</b>	
Time	Topics	Lecturer	
08:00 – 09:00	Opening Remarks from the President - An Introduction To THGA	Prof. Dr. Jürgen Kretschmann	
09:00 – 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	
16:00 – 17:30	Cultural Program - Guided City Tour of Bochum	Bochum Marketing/ International Office	
<b>Day 2: 28/06/2022</b>		<b>Sustainability &amp; Energy efficiency</b>	
Time	Topics	Lecturer	
08:00 – 10:45	Resource Efficiency: Renewables and Modern Nuclear Power	Prof. Dr. Jochen Arthkamp	
10:45 – 11:00	Coffee break		
11:00 – 13:00	How Much Mining Do We Need? (lecture including group work)	Prof. Dr. Ludger Rattmann	
13:00 – 14:00	Lunch Break		
14:00 – 17:00	Academic Tour of the German Mining Museum		
18:00 – 19:30	Cultural Program - Treasure Map with Quiz on International Traditions	International Office	

<b>Day 3:</b> 29/06/2022	<b>Sustainability in Practice – Green Companies of the Future</b>		
	Time	Topics	Lecturer
	08:30 – 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 – 17:30	Excursion to Zeche Zollverein, Essen – Guided Tours of the Industrial Monument and Part of the UNESCO World Heritage	Dr. Roman Hillmann (Material Science and Cultural Heritage)
<b>Day 4:</b> 30/06/2022	<b>Excursion Day Geotechnics</b>		
	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
	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
	19:00 – 20:30	Bowling & Bermuda Dreieck	International Office
<b>Day 5:</b> 01/07/2022	<b>Sustainability in Surveying and Geotechnics - Excursion to the Henne Dam and Power Plant</b>		
	Time	Topics	Lecturer
	09:00 – 16:00	Excursion to Henne Dam: Visit of the Dam and Power Plant; Inspection of the Tunnel System of Henne Dam; Surveying Technology in the Underground; Visit of Möhne Dam and Boat Tour on Möhne or Henne	Prof. Dr.-Ing. Sebastian Janßen/ Prof. Dr. Frank Otto
<b>Day 6:</b> 02/07/2022	<b>Final Discussion and Presentation of the Results</b>		
	Time	Topics	Lecturer
	10.00 – 13:00	Presentation and Discussion ; “Best Idea” Award Ceremony; Awarding of Certificates	Prof. Dr. Heike Kehlbeck
	13:00 – 14:30	Lunch and Farewell	