

1.4.15. Infrastructure and Human Development (Rhine-Waal University of Applied Sciences)

Name of Module/Course	M-SD_09.13 Infrastructure and Human Development			
Short description	With a main focus on health and education, the course deals with the interplay between infrastructure, human development, economic performance, and environmental factors. This includes a (comparative) analysis of the situation in different countries and a discussion of quality assurance procedures in (a) the provision of traditional infrastructure and (b) the health and education sectors. The course concludes with the analysis of market failures and an evaluation of infrastructure, health and education policies considering the relevant SDGs.			
Name of Programme	Master of Sustainable Development Management			
Name of University	Rhine-Waal University of Applied Sciences			
Name of Lecturer	Prof. Dr. habil Gregor van der Beek; Prof. Dr. Helmut Prior			
Responsible University lecturer	Prof. Dr. Helmut Prior			
Credit Points	SWS	Attendance (h)	Self-study (h)	Total workload (h)
6 CP	4 SWS	60 h	90 h	150 h
Start & end dates		timeslot:		
12.04. – 09.07.2021		Tuesdays 12.00 – 4.00 pm		
Registration until		Number of possible AGEP participants		
12.04.2021		10		
Content and goals of qualification	Students will acquire a theory-based, application-oriented perspective on infrastructures in education and health systems in developing countries, especially in light of the Sustainable Development Goals (SDGs) 3, 4 and 9. Quality education represents a key factor in health-related capacity building, while adequate health provides an essential prerequisite for participation, learning, and well-being. The coevolution and interdependence of infrastructure development and human development will be elaborated on and linked to methods through which progress towards relevant SDGs can be determined and made. Participants will be trained on how to use and apply microeconomic tools to infrastructure-related problems, and - as an application of these tools – they will design a basic case study taking SDGs into consideration with a focus on problems within developing countries. Analyses will be carried out within an interdisciplinary framework – integrating economic, ecological, and sociological perspectives and applying them to implementation and interaction between the SDGs. A synthesis of a multidisciplinary framework will enable students to make informed decisions and develop models with the potential to create a virtuous cycle between infrastructure development and human development. In the education part, there will be The course work will also prepare the students for application of theories in their master's thesis as well.			
Preconditions for participation	None			

Teaching Methods	Lectures with discussions, projects, excursions
lesson format (online/face-to-face)	Face-to-face (prevailing) and blended learning
Assessment method	Assignments
language	English
Inscription external student	Via e-mail to: SDM-FGO@hochschule-rhein-waal.de