Module	**Resource Nexus I: Conceptual Foundations**
Module coordinator	Prof Serena Coetzee serenacoetzee@unu.edu
Module support	Ms Asha Verma verma@unu.edu
Content	This module introduces students to the conceptual foundations of the Resource Nexus approach to the sustainable and integrated management of environmental resources, covering the following topics: • the triple planetary crisis; • natural and environmental resources; • the sustainable and integrated management of environmental resources; • the role of systems analysis and modelling; • key and derived environmental resources, their interdependencies and interconnections; • the relationship in advancing the United Nations Sustainable Development Goals (SDGs); and • review of scientific literature to establish the state-of-the-art knowledge about the Resource Nexus approach on a specific topic.
Learning objectives/ Learning outcomes	Students can describe and discuss key concepts underpinning the Resource Nexus approach, identify and describe environmental resources and the dependencies between them, relate these to global sustainability challenges and the United Nations Sustainable Development Goals, and critically review and synthesize scientific literature on the topic.
Requirements/ Prerequisites	Participants require Bachelor's degree-level proficiency.
Applicability	This is an elective module in the Master's programme in Water Security and Global Change.
Certificate of completion	Upon completion of all the assignments, a certificate of completion, including the grade, is obtained. This must be submitted at TU Dresden to get credited for the degree programme.
Workload	Total workload is 150 hours, equivalent to 5 ECTs.
Duration	7 weeks of the first part of a semester
Presentation	The module is offered in either the winter semester or the summer semester. Please contact module coordinator or module support to confirm.
Valid from	Winter semester 2025/26
Valid until	-