

Modulbezeichnung/ module notation	<b>10. Restoration Ecology</b>
Modulniveau/ module level	Master
Studiensemester/ semester	2
Kürzel/ abbreviation	RE
Lehrveranstaltungen/ courses	10.1. Ecology and restoration of rivers 10.2. Ecology and restoration of lakes 10.3. Project in river restoration
Modulverantwortlicher/ module responsible	Prof. Dr. rer. nat. habil. Volker Lüderitz
Dozent(in)/ lecturer	Prof. Dr. rer. nat. habil. Volker Lüderitz Prof. Dr. Richard Gersberg Dr. rer. nat. Karsten Rinke Prof. Dr. José Ramón Arévalo
Sprache/ language	english
Zuordnung zum Curriculum/ correlation to curriculum	Compulsory module
Lehrform/SWS/ teaching form/contact hours	6 SWS lecture and excursion
Arbeitsaufwand/ amount of work	180 h
Kreditpunkte/ credit points	6
Voraussetzungen nach Prüfungsordnung/ requirements	Bachelor degree
Empfohlene Voraussetzungen/ recommended requirements	Hydraulics, Hydrology, Environmental Engineering
Form der Prüfung/ form of exam	homework
Angestrebte Lernergebnisse/ target educational objective	Students are able to identify main processes in ecological and restoration projects of rivers and lakes. They learn the practice of ecological analysis and basics in ecological planning
10.1: Ecology and restoration of rivers (Lüderitz)	Ecology and restoration of rivers. Using makrozoobenthos as indicator.
10.2: Ecology and restoration of lakes (Rinke, Arevalo)	Basics in lake ecology and lake restoration. Ecology and restoration aspects in international projects. Projectmanagement and strategies.
10.3: Project in river restoration (Lüderitz)	River restoration project with application of theretical methods in practice. Identification of macrozoobenthos as idicator for restauration quality
Medienformen/ used media	Script, Powerpoint presentation, White board
Literatur/ literature	