

Modulbezeichnung/ module notation	<b>14. Environmental biotechnology and hydrochemistry</b>
Modulniveau/ module level	Master
Studiensemester/ semester	2
Kürzel/ abbreviation	EBH
Lehrveranstaltungen/ courses	14.1 Environmental biotechnology and hydrochemistry 14.2 Water Chemistry
Modulverantwortlicher/ module responsible	Dr. Uta Langheinrich
Dozent(in)/ lecturer	Dr. Uta Langheinrich Prof. Dr. Carmen Rubio Armendáriz Dr.-Ing. Anne Becker Dr.-rer.nat. Bernd Feuerstein
Sprache/ language	english
Zuordnung zum Curriculum/ correlation to curriculum	Optional course
Lehrform/SWS/ teaching form/contact hours	6 SWS lecture, practical training and fieldwork
Arbeitsaufwand/ amount of work	180 h
Kreditpunkte/ credit points	6
Voraussetzungen nach Prüfungsordnung/ requirements	Bachelor degree
Empfohlene Voraussetzungen/ recommended requirements	high school graduation in biology, knowledge in microbiology
Form der Prüfung/ form of exam	homework
Angestrebte Lernergebnisse/ target educational objective	Students are able to use biological and hydrochemical methods for the assessment of water bodies
14.1: Environmental biotechnology and hydrochemistry (Langheinrich, Rubio, Becker)	Planing and management of constructed wetlands, Knowledge about various biological processes and methods for treatment of water-, air- and soil-pollutions, toxicological effects oft different loads
14.2: Water Chemistry (Feuerstein)	Methods and processes for detection and assesment of different environmental pollutants
Medienformen/ used media	Script, Powerpoint presentation, White board
Literatur/ literature	G. Biiton: Wastewater microbiology. WILEY 2005