

Module Name	Terrestrial ecozones and ecosystems Terrestrische Ökozonen und Ökosysteme
Identification code	EM S153 QIS-registration for examination) 65900
Subtitle	Terrestrische Ökozone und Ökosysteme
Courses status	Elective
Courses embedded	
Term	Winter- und Sommersemester
Coordinator	Prof. H.-R. Bork
Teachers Staff	Prof. H.-R. Bork
Tuition language	English
Program involvement	MSc Environmental Management
Teaching form, contact time per week, class size	Lecture : 30 h / 90 h Seminar : 30 h / 90 h 25
Workload overall	180 h
Contact time	60 h
ECTS credit points	6 ECTS
Preconditions prescribed	None
Prerequisites recommended	None
Learning outcomes	Students are familiar with the natural characteristics (climate, topography, soils and sediments, vegetation, animals) and the development (past, present, future) of ecozones and ecosystems; students are familiar with the varieties of human impact and their effects on ecosystems; students are able to differentiate, to interpret and to evaluate natural processes and the effects of specific human activities on global, zonal and regional scales
Content	Global overview of ecozone characteristics (climate, topography, soils and sediments, vegetation, animals, human impact) Presentation and analysis of the individual ecozones (polar and subpolar zone, boreal zone, temperate and dry midlatitudes, subtropics with Winter rain, humid subtropics, dry tropics and subtropics, subtropics with Summer rain, humid tropics), evaluation of the human impact in the individual ecozones (past and present) Presentation of case studies Discussion of future development of ecozones and ecosystems
Assessment	Report: 100%
Teaching media	Field work, data analysis
References	J. Schultz (2005): The ecozones of the world: The ecological divisions of the geosphere. Springer S. Chapin et al. (2004): Principles of terrestrial ecosystem ecology. Springer H.-R. Bork (2006): Landschaften der Erde unter dem Einfluss des Menschen. Primus-Verlag and WBG
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