

Module Name	Geoarchaeological and Holocene palaeoenvironmental field and laboratory Analysis – Geoarcheologische und paläoökologische Feld- und Laborübungen
Identification code	S 152 / QIS-registration for examination) 65800
Subtitle	
Courses status	Elective
Courses embedded	
Term	3rd semester, summer
Coordinator	Prof. H.-R. Bork
Teachers Staff	Dr. S. Dreibrodt
Tuition language	English
Program involvement	MSc Environmental Management
Teaching form, contact time per week, class size	Exercise/Excursion : 60 h / 180 h 14
Workload overall	180 h
Contact time	60 h
ECTS credit points	6 ECTS
Preconditions prescribed	None
Prerequisites recommended	Basics in Ecology
Learning outcomes	Students learn and train field and laboratory methods of geoarchaeology and Holocene palaeoecology. They experience their potentials and limits with respect to reconstruct the history of ecosystems. Collaboration with scientists from other disciplines broadens their horizon and trains interdisciplinary discussion with ancient and recent problems of ecosystems.
Content	Geomorphological and sedimentological field and laboratory methods, analysis of Holocene sediments (slope deposits, alluvial deposits, lake sediments, human deposits, buried soils) to reconstruct the impact of natural (e.g. climate) and human processes in ecosystems. Students are organised in teams to work in projects.
Assessment	Report: 100%
Teaching media	Field work, data analysis
References	Bjorn E. Berglund (ed., 1986): Handbook of Holocene Palaeoecology and Palaeohydrology. Wiley. George (Rip) Rapp and Christopher L. Hill (1998): Geoarchaeology, Yale. Norman Herz and Ervan G. Garrison (1998): Geological Methods for Archaeology, Oxford. Dave Egan and Evelyn A. Howell (2001): The Historical Ecology Handbook. Island.
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