

Module Name	3.2.5 Geoarchaeology and Holocene palaeoecology – reconstruction of natural and human processes in ecosystems <b>QIS-registration for examination – 66100 with 66110)</b>
	Elective Module
Offered	Every winter semester
Course guidance of this Module	Prof. Dr. H.-R. Bork
Teaching Staff	Dr. S. Dreibrodt
Requirements	Assessment in Module 2.1.6 or 2.1.5
Language	English
Class Size	14
Teaching form and workload	Formal lecture (10/30), Practical (20/30), Seminar (30/90)
Course	Weekly during the semester
Assessment	assignment 100%
European Credit Points	6
Target of this Module	Students get experienced to carry out geoarchaeological and Holocene palaeoecological studies. They learn to collaborate in groups while analysing, compiling, combining, discussing and interpreting different available data (in part gained from 2.1.6) within the frame of projects. A major aspect is the comparison of palaeoenvironmental results with recent data. Whereas one focus is lead on the analysis another one is set on the presentation (talk) and publication of the results.
Content of this Module	Different palaeoenvironmental data (available from 2.1.6 and earlier projects) are compiled, discussed, interpreted, presented and published by the students. Students are organised in project teams.
Literature	scientific papers according to the respective project- examples for palaeoclimatic research on lake sediments or historical soil erosion: Brauer, A., 2004. Annually laminated lake sediments and their palaeoclimatic Relevance. In: Fischer, H., Kumke, T., Lohmann, G., Flöser, G., Miller, H., von Storch, H., Negendank, J.F.W. (Eds.). The climate in historical Times. Springer, pp. 109-127. Dreibrodt, S., Lubos, C., Terhorst, B., Damm, B., Bork, H.-R., 2010. Historical soil erosion by water in Germany: Scales and archives, chronology, research perspectives. Quaternary International 222, 80-95.