GEW-MC04 Advanced Field Practical	Number of credit points (LP): 6

Module type (mandatory or elective module)	Core module
Contents and qualification objectives of the module	**Contents** Students learn to correctly interpret and evaluate geological and stratigraphic/sedimentological phenomena in regions with a geologically complex evolutionary history through detailed field reconnaissance and recording of relevant data. This process can be supported, for example, by using field PCs and integrating remote sensing data. In addition, methods of structural geology, sedimentology, petrology, and remote sensing are applied during mapping; sampling techniques and data analysis are introduced. Furthermore, students will learn how to write an accurate mapping report with emphasis on deformation-related structures, stratigraphic/sedimentological archives, geodynamic interpretations, and petrological problems by evaluating possible interactions between tectonics, climate, biosphere, environmental conditions, and surface processes. **Qualification goals** Students - gain experience with detailed mapping in geologically complex regions - are able to present their interpretation in an accurate mapping report - learn to recognize and characterize tectonically-shaped landscapes and sedimentary environments as well as stratigraphic succession and paleoclimate archives - learn to summarize complex geological relationships in a written report and/or oral presentation - gain experience in teamwork under external conditions that are not always controllable
Module examination (number, form, scope)	An examination of the following forms: Term paper, 20 pages Oral exam, 30 minutes
Self-learning time (in time hours)	120

Events (teaching forms)	Contact time (in semester hours)	Secondary examination (number, form, scope)		Partial module examination accompanying the course (number, form, scope)
		For the completion of the module	For admission to the module examination	
Field exercise (exercise)	3T	-	Daily Field logs (1to 5 pages per day)	-
Seminar (seminar)	1S	-	Lecture (10-15 minutes)	-

Frequency	Summer semester
Prerequisite for participation in the module	Recommended: Completion of GEW-MC01 Sedimentary Earth System Record and GEW-MC02 Tectonics and Geodynamics modules.
Teaching unit(s)	Geosciences