

GEW-MC05 Theoretical Geophysics		Number of credit points (LP): 6	
Module type (mandatory or elective module)	Elective module		
Contents and qualification objectives of the module	<p>Contents In-depth theoretical foundations of important areas of geophysics such as elastic wave propagation, seismic source processes, potential theory, electromagnetism, and concepts, methods, and instruments based on these.</p> <p>Qualification goals Students</p> <ul style="list-style-type: none"> - acquire in-depth knowledge of theory building processes and theoretical concepts from important subfields of geophysics - can apply methods of theoretical physics to tasks from important subfields of geophysics 		
Module examination (number, form, scope)	An examination of the following forms: Written exam, 90 minutes Oral exam, 30 minutes Term paper, 20 pages		
Self-learning time (in time hours)	120		
Events (teaching forms)	Contact time (in semester hours)	Secondary examination (number, form, scope)	
		For the completion of the module	For admission to the module examination
Lecture and exercise (lecture and exercise)	2V+2T	-	-
		Partial module examination accompanying the course (number, form, scope)	
Frequency	Winter semester		
Prerequisite for participation in the module	None		
Teaching unit(s)	Geosciences		