GEW-MF13 Applied	Geophysical N	Aethods I		Number of credi	t points (LP): 12
Module type	Elective modu	ıle		·	
(mandatory or					
elective module)					
Contents and	Contents				
qualification	In addition to the theoretical and physical fundamentals, this course presents various seismic and				
objectives of the module	the respective results will be discussed. In the block course (field and computer exercise) followin the lecture parts, the treated methods are applied in the field and the acquired data are evaluated using computer programs. Qualification goals				
Students					
	- acquire in-depth knowledge of the physical principles of geophysical methods and in particular of active seismic and common potential methods (gravimetry and magnetics)				
	 learn the professional use of these methods to explore the subsurface for different geoscientifi questions and on different spatial scales are able to analyze and interpret seismic observations and potential field data data recorded in 				
field and transfer them into geoscientific model con					
Module examination	An examination of the following forms:				
(number, form,	Portfolio examination, consisting of: Report (15-20 pages) and corresponding presentation (20-30				
scope)	minutes).				
	Written exam, 90-120 minutes				
	oral exam, 30-45 minutes				
Self-learning time	192				
(in time hours)					
		Contact time (in	Secondary examination		Partial module examination accompanying the course
		semester hours)	(number, form, scope)		
			For the	For admission to	(number, form, scope)
			completion of	the module	
			the module	examination	
Lecture and exercise I (lecture and		2V+2T	-	-	-
exercise)					
Block Course I (course)		Supervised 24 h	-	-	-
Lecture and exercise II (lecture and		2V+2T	-	-	-
exercise)					
Block course II (course) St		Supervised 24 h	-	-	-
Frequency			Winter semester (V+T I+K I) and summer semester (V+T II+K II)		
Prerequisite for participation in the module			None		
Teaching unit(s)			Geosciences		