

Module title		Abbreviation
Environmental Monitoring		10-I-UB-212-m01
Module coordinator		Module offered by
holder of the Professorship for sensors and embedded systems for earth observation		Institute of Computer Science
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
The module teaches basic methods of environmental observation, suitable indicators and sensors for the collection of environmental data, methods for the qualitative and quantitative evaluation of the collected environmental data, further analysis and visualization of environmental data.		
Intended learning outcomes		
The students know important indicators and procedures for environmental observation. They will be able to develop concepts for environmental monitoring with technical sensors and devices, as well as to evaluate the measurement data with suitable methods.		
Courses (type, number of weekly contact hours, language – if other than German)		
V (2) + Ü (2) Teaching cycle: Course offered every year, summer semester.		
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
written examination (approx. 60-120 minutes) if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 15 minutes) creditable for bonus		
Allocation of places		
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Additional information		
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Workload		
150 h		
Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
Bachelor' degree (1 major) Computer Science und Sustainability (2021)		