

Study Card

Module-No.	Semester	Teaching staff	Module-coordinator (designated each sem.)
Geo_M207	2	Prof. Dr.-Ing. Delf Egge	Prof. Dr.-Ing. Delf Egge

Module-name	Subject areas	Duration/sem.	Frequency of offering	Type (C/CE/E)	Emphasis in overall grade / %
GIS-Hydrography	Hydrography	1 Semester	each SuSe	C	4,16 %

CP (according to ECTS)	Workload / h.	Self-study / h.	Contact time / h.	Contact hours / week (SWS)	Type of examination
5CP	155 Std.	99 Std.	56 Std.	4	oral (graded)

Previous knowledge / Conditions for participation (in form and content)
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Educational aims of the module (Learning objectives/results, skills)
The students learn the principles of digital mapping. The knowledge is applied to a project that is related to Coastal Zone Management.

Course contents
Desktop Mapping :
 Introduction to computer cartography, difference from GIS.
 Hardware for computer cartography: hardware components, example configurations.
 Software for computer cartography: operating systems, requirements and specifications for a cartography program.
 Geometrical data and attributes: coordinate base, digitization of coordinates, preparation and input of attributes into the map, dynamic data exchange.
 Map export: raster and vector data, graphics files, linking graphics to other applications.
 Software for computer cartography: Fundamentals of the "Polyplot" program.

GIS Project Coastal Zone Management :
 Extensions to ArcView. Data exchange between different program systems. Project conceptions.
 GIS project Coastal Zone Management. Project presentation.

Teaching and learning methods
 Taught seminars, practical course

Condition for awarding the ECTS-credits
 Practical training completion and Oral examination

Additional Information

Latest update: 06/2011