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Teaching at the Downtown campus

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- Bachelor Aerospace (AS)**
- Bachelor Geodäsie und Geoinformation (GG)**
- Bachelor Umweltingenieurwesen (EE)**

Module	Study program	Semester	C/E*	WS/SS	SWS	ECTS
Einführung in die Informatik 1	GG	1	C	WS	4	5
Introduction to Geodesy and Geoinformation	AS	3	C	WS	2	3
Einführung in die Informatik 2	GG	2	C	SS	4	5
Geoinformatik	GG, EE	4	C	SS	5	5
Anwendungen von GIS und Geoinformatik	GG	6	C	SS	2	3

- Master Geodesy and Geoinformation (GG)**
- Master Information Technologies for the Built Environment (ITBE)**
- Master Land Management and Geospatial Science (LMGS)**
- Master Environmental Engineering (EE)**
- Master Ingenieurökologie (IÖ)**

- Master Earth Oriented Space Science and Technology (ESPACE)**
- Master Civil Engineering (CE)**
- Master Transportation Systems (TS)**
- Master Politics and Technology (PT)**

Module	Study program	C/E*	WS/SS	SWS	ECTS
Advanced GIS 2	LMGS, IÖ, CE	E	WS	6	6
Advanced GIS for Environmental Engineering	EE, IÖ, ITBE	E	WS	2	3
Advanced GIS Project	GG, EE, ITBE	E	WS	3	3
Distributed and Cloud-Based Systems	ITBE	C	WS	4	6
Geodatabases	EE, IÖ, CE, TS, ITBE	E	WS	3	3
Geodetic Seminar	GG	C	WS	4	5
Geospatial Information Science	ITBE	C	WS	4	6
Geo Web Services	EE	E	WS	2	3
ITBE Fusion Lab	ITBE	C	WS	8	12
Professional Applications of Geoinformatics	GG, ITBE	E	WS	3	3
Spatial Data Management and System Architectures – Advanced Methods	GG, ITBE	E	WS	5	5
Spatial Data Management and Visualization	GG, LMGS	C	WS	6	5
Advanced GIS 1	LMGS, IÖ, CE	E	SS	6	6
Geoinformatics for Land Management	LMGS, PT	C/E	SS	6	5
Geo Sensor Networks and the Internet of Things	GG, ESPACE	E	SS	4	5
Harmonisation of Geospatial Data	GG, EE, ITBE	E	SS	2	3
Internet of Things in the Built Environment	ITBE, CE, EE	E	SS	4	6
Semantic Modelling of the Built World	ITBE	C	SS	5	6
Spatial and Semantic Modeling of the Environment	GG	C	SS	5	5

Teaching at the Weihenstephan campus

- Bachelor Landschaftsarchitektur und Landschaftsplanung (LL)**
- Bachelor Forstwissenschaft und Ressourcenmanagement (FR)**
- Bachelor Politikwissenschaft (P)**

- Master Agrarsystemwissenschaften (AS)**
- Master Ingenieurökologie (IÖ)**
- Master Biologie (B)**

Module	Study program	C/E*	WS/SS	SWS	ECTS
Geographische Informationssysteme	FR	E	WS	4	5
Geographische Informationssysteme (GIS) I	LL	E	WS	4	5
Geoinformationssysteme und Modellierung	AS, IÖ	E	WS	3	5
Grundlagen Geoinformationssysteme	B	E	WS/SS	4	6
Geoinformationssysteme II	LL	E	SS	2	5
Weiterführende Konzepte der Geoinformationssysteme und Modellierung	AS, IÖ	E	SS	2	5

* C = Compulsory module, E = Elective module

We also offer

- Bachelor's Theses
- Master's Theses
- Interdisciplinary Projects (IDP) for students of the Master's program Informatics
- Study Projects for students of the Master's program Environmental Engineering

Please visit our web site for more information on the courses, projects, and theses we offer.

Course offerings by the Chair of Geoinformatics

Each module can consist of several courses. The modules, included courses and the module and course numbers of the current semester can be found here:

<https://www.asg.ed.tum.de/en/gis/teaching/>

