



Tropical Hydrogeology Engineering Geology and Environmental Management

Are you interested in a new

international MASTER OF SCIENCE

in Hydrogeology,
Engineering Geology and
Environmental Management?

Are you interested in working
on environmental issues in tropical
regions?

Do you want to study in Germany?

If your answers are

YES

keep on reading!



Hydrogeology...

deals with the presence, flow and chemical properties of groundwater, including their interactions with surface water, soils and rocks. In addition to lectures addressing practical issues, e.g. exploration, exploitation, protection, and remediation of

groundwater, modern techniques in groundwater management are included such as modelling of groundwater flow, contaminant transport, geochemical reactions, and tracer hydrology.



Engineering Geology...

links engineering sciences to geological sciences and deals with the properties of rocks in relation to various kinds of civil work. The topics covered include e.g. dam construction and dam

management, slope stability, geodetic surveying, construction of safe waste deposits, and remediation techniques for groundwater and soil decontamination.



Environmental Management...

tackles the challenging geoscientific problems in land planning. TropHEE places the emphasis on the management of urban areas, therefore large data sets varying very much in their nature need to be integrated. This is

done best by using Geo Information Systems (GIS) and geostatistical methods. GIS enable complex decision-making systems in order to create scenarios for sustainable development.



The course syllabus...

for the two years combines a sound geoscientific understanding of surface and sub-surface processes and their evaluation with a multi-disciplinary management training. It enables the candidate

to solve modern environmental problems and to exploit georesources in tropical regions.

The post-graduate course Tropical Hydrogeology, Engineering Geology and Environmental Management – TropHEE is offered by the Faculty of Material- and Geosciences of the Darmstadt University of Technology.



TropHEE is internationally accredited since 15th of March, 2005.

For further information refer to
<http://www.tu-darmstadt.de/fb/geo/trophee>
<http://www.trophee.tu-darmstadt.de>

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