



## Thematic Cartography

Presented by the Centre for Geoinformation Science,  
University of Pretoria

In today's information society, the number of maps on display is increasing. But are they always correct and meaningful? This course focuses on thematic cartography with its manifold methods as well as specialised approaches for skilfully revealing spatial patterns and correlations in statistical data.

The **Thematic Cartography** short course assumes already existing basic knowledge. It outlines how map making is not just about generating maps in the most obvious ways, but explains how to choose from a wide range of options, the map best-suited for the data while also attracting potential map readers through the map's design.

The theory covers the most essential concepts of thematic cartography as well as less-known advanced cartographic ways of representing complex statistical data. Here, for demonstrating media's increasing interest in maps, the course starts with a presentation on maps designed for a magazine.

### Course content

- **Lecture:** Presentation 'visualising Germany via maps in a magazine'
- Group discussion: Structured comparison between traditional map design and info graphics
- **Lecture:** Cartographic representation methods: 10 methods leading to map types I
- **Lecture:** Cartographic representation methods: 10 methods leading to map types II
- **Lecture:** Analytical, complex, synthetic maps (managing complexity, data correlations)
- **Group discussion:** Presentation and discussion of examples from HsKA students.

### Learning outcomes

After successfully completing this course, you will learn how to visualise statistical data in a correct, appropriate as well as attractive map.

### Who should enrol?

This course is ideal for you if you are a GISc or other professional working with maps and cartography on a daily basis.

### Course fees

**R2 000.00 per delegate (VAT incl.)**

Course fees include all course material and refreshments during contact days.

**Course fees must be paid in full 14 days prior to course start dates. Proof of payment can be submitted to [enrolments@enterprises.up.ac.za](mailto:enrolments@enterprises.up.ac.za).**

### Admission requirements

Prospective delegates should at least have a relevant BSc degree or equivalent qualification.

### Accreditation and certification

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### Registration and enquiries

#### Course coordinator

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#### Course leader

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#### Guest professor

Prof. Dr. Gertrud Schaab from the Karlsruhe University of Applied Sciences in Germany will be in South Africa on a UP Visiting Professor grant in the second semester of 2017. She specialises in thematic cartography, spatial visualisation, map compilation and design, geospatial analysis, and geography. Prof. Schaab has more than 20 years of experience in cartography and visualisation, working in industry, research and academia. Currently, she is a professor in the Faculty of Information Management and Media at the Karlsruhe University of Applied Sciences.

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