

Thematic Cartography (Lecture)

Topic and requirements of the semester. Literature and theory of thematic cartography. Cartographic generalization. Overview of data representation techniques. Types of base maps. History and development of thematic cartography. Data sources, data types and their critical evaluation. Characteristics of the field-specific thematic maps. Map types in Geosciences. Maps of environmental, economic and social phenomena. Thematic maps in education. Thematic maps on special-purpose and in communication (e. g. maps in media, in propaganda). Thematic atlases. Color theories. Maps in black and white. Visualization of information. Relationship of graphic symbols and data representation. Projections of thematic maps. Thematic cartography in Geoinformatics. Thematic maps on Internet. Editing and processing errors on thematic maps.

Literature:

Slocum, McMaster, Kessler, Howard: Thematic Cartography and Geographic Visualization, Prentice Hall, 2008.

Dent, Torguson, Hodler: Cartography – Thematic Map Design, McGraw-Hill, 2008.

Suggested literature:

Tyner, J.: Principles of Map Design, The Guilford Press, 2010.