Title of the course: **Geoinformatics (GIS)**	NEPTUN-code: RKXTI1ABNE	Weekly teaching hours: *l+cw+lb* 1+0+2	Credit: 3 Exam type: *tm*
Course leader: Krisztina Demény Dr.	Position: senior lecturer	Required preliminary knowledge:	

Curriculum:
The teaching aim of the course is to introduce the basic theory and practice of GIS. The course will highlight the development of GIS, it will present the database model of GIS, the basic data management techniqs and the data analyses method. The course will also demonstrates the data visualisation methods and possibilities of GIS.

Professional competencies:
In possession of state-of-the-art IT skills, being able to use professional databases and certain design, modelling, and simulation software depending on their specialty. Knowledge of the learning, knowledge acquisition, and data collection methods of the special fields of environment protection, their ethical limitations and problem solving techniques. Adequate perseverance and endurance of monotony to perform practical operations.

Literature:
1. Tomislav Hengl: Geostatisitcal mapping http://spatial-analyst.net/book/ Michael de Smith, Paul Longley, Mike Goodchild: Geospatial Analysis - A comprehensive guide (http://www.spatialanalysisonline.com/)
2. John P. Snyder : Map Projections: A Working Manual http://pubs.er.usgs.gov/publication/pp1395
Comment: