General Information

Course name	Applied Geoinformatics	ECTS Credits	2
		Semester	summer 2 hours/week

Aims

This course introduces students to application aspects of geoinformatics and geospatial technology using various case studies.
By the end of the course the student will be able to:
- understand main organisational and operational issues in the use of GIS in government and private organisations
- describe main phases leading to a full implementation of GIS in selected types organisations
- define a role of geoinformatics researchers in a project team

Contents

Areas of GIS/GIT applications, examples
Implementing a GIS in government and private organisations
Organisational, economic and legislative aspects of GIS implementation
Project management, GIS staff, a role of GIS researcher
Case study (private companies) - Transpetrol, Orange, VÚJE
Case study - international projects
Case study - research projects
A visit to a GIS company (Photomap Kosice)

Assessment Methods and Criteria

Assessment Methods and Criteria is based on student's activity in the classes and work on assignments.

Grading Scale (in %):

Grading System: The University recognises the following six degrees for the Assessment Methods and Criteria of the study results: a) A – excellent (excellent results) (numerical value 1) b) B – very good (above average results) (1.5) c) C – good (average results) (2) d) D – satisfactory (acceptable results) (2.5) e) E – sufficient (results meet the minimum criteria) (3) f) FX –failed (requires further work) (4)

Bibliography

LONGLEY, P. A., GOODCHILD, M. F., MAGUIRE, D. J., RHIND, D. W. 2001: Geographic Information Systems and Science. John Wiley & Sons.

LONGLEY, P. A., GOODCHILD, M. F., MAGUIRE, D. J., RHIND, D. W. 1999: Geographical Information Systems: Principles, Techniques, Management and Applications. John Wiley & Sons.

SHEKHAR, S., XIONG, H. 2008: Encyclopedia of GIS. Springer.

WILSON, J. P., FOTHERINGHAM, A. S. 2008: The Handbook of Geographic Information Science. Blackwell Publishing.