

Title of the whole course:

Specialised Seminar (Špecialny seminár)

Modeling and Data Analysis

Name of the Educational Test Site:

STU-Svf : Slovak University of Technology Bratislava, Faculty of Civil Engineering

Objective of the whole course

The object of the seminar is intensification of theoretical and methodical knowledge acquired in the lectures and exercises on planning, design, construction, maintenance and safety of urban and rural road network and transportation technologies. Utilization and elaboration of individual distinctive study for Master thesis' preparation is expected as a result.

Content of the whole course

The content of the course is aimed to discuss specific themes in the field:

- surveys, analysis and modeling of transportation planning process
- specific issues of the planning and design of road and transport infrastructure
- modeling and computing of pavement constructions
- technical and economic evaluation of alternatives
- traffic safety, regulation and management
- Non-motorized transport and traffic calming issues
- public transport and integrated transport system

Which parts of PORTAL (project results) were taken up?

Chapter 2 "Modeling and Data Analysis" of the PORTAL written materials and transparencies

Which PORTAL material was used?

Selected PORTAL transparencies and additional own transparencies from the field of modeling using the program of PTV Vision

Separate / existing course	Existing course
Optional / compulsory course	Compulsory
Name of the corresponding curricula	Civil and Transportation Engineering (Inžinierske konštrukcie a dopravné stavby)
Participants' level	Level 7
Type of input	Lecture
Number of participants	10/12
Timing	21. and 26. March 2002
Exercises	Homework
Language	Slovak

Name of the teacher	Igor RIPKA
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Language of lecturer	Slovak, German, English
Fields of expertise	Transport and land use planning, modeling and data analysis, traffic flow modeling