

Title of the whole course:

Traffic and Transport Engineering

Safety and Accident Reduction

Name of the Educational Test Site:

ZHW: Zürcher Hochschule Winterthur

Objective of the whole course

- To understand existing transport networks
- To be able to design, plan and construct the elements of networks in a way, that they are useable and safety for the user

Content of the whole course

- Traffic Planning
 - Transport modeling
 - Traffic Technique
 - Traffic regulation
 - Capacity
 - Operation Planning
- Transport Planning
 - Network design (slow transport, private transport, public transport)
 - Transport technique
 - Links (profiles, alignment)
 - Nodes (Intersections, Interchanges)
- Construction of roads and railways

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

All parts of the Portal materials are already taken up in the existing course, PORTAL was proofed that our existing course is update.

Interesting to be able to compare with the habits in other European countries.

PORTAL is (incomplete) checklist for my existing courses

Which PORTAL material was used?

I took the contents and explained with the slides those chapters, which where interesting for the students.

Separate / existing course	Existing course
Optional / compulsory course	Optional course
Name of the corresponding curricula	Civil Engineering
Participants' level	End 5 semester
Type of input	Interactive Lecture
Number of participants	18
Timing	2 h
Exercises	Similar exercises
Language	German

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Language of lecturer	German, English, French
Fields of expertise	<p>Integrated Transport Chains</p> <p>Urban Traffic Management</p> <p>Safety and Accident reduction</p> <p>Transport Planning and Implementation</p>