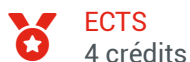


# Smart mobility: Ethics and Legal Issues, Transport Engineering and spatial development



## Présentation

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### Description

#### Goal :

After the course the student :

- have acquired knowledge in the field of transport, which is necessary to develop IT solutions
- understands moral conflicts and their underlying issues in smart mobility, is able to develop courses of action and make decisions on moral conflicts in smart mobility
- is able to assess the consequences of the use of ICT in smart mobility
- understands policies concerning equity, inclusion and sustainability in transport and mobility
- understands the difference between law and ethics

#### List of subjects to be presented to the students :

Transport-related subjects :

- \* Definitions and basic characteristics of various modes of transport
- \* Transport & IT development trends
- \* GIS in transport
- \* Collection of transport data
- \* Basics of traffic engineering Ethics and law-related subjects:
- \* Characteristics of Computing and Computer Ethics
- \* Ethics of Algorithms • Ethics of Cyber-Physical Systems
- \* Thinking tools for decision-making
- \* Professionalism and Codes of Ethics
- \* Ethics and Law: relation between ethics and law; whistle blowing
- \* Legal aspects: legal framework in mobility; personal rights and obligations
- \* Transport policy and equity
- \* Extent of transport's influence on environment – ethical aspect