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195420800

Sustainable Transport

Course info

Course module	195420800	Starting block	2B
Credits (ECTS)	7.5	Application procedure	You apply via OSIRIS Student
Course type	Course	Registration using OSIRIS	Yes
Language of instruction	English	Number of insufficient tests	-
Contact person	dr.ing. K.T. Geurs		
E-mail	k.t.geurs@utwente.nl		
Lecturer(s)			
Lecturer	dr.ing. K.T. Geurs		

Learning goals

Upon completion of the course the student is able:

1. to describe problems and solutions of sustainability in the transport sector;
2. to apply sustainable development theory to specific topics in transport;
3. to critically review an academic book on sustainable transport (in English);
4. to formulate and discuss an opinion on a specific topic or dilemma on sustainable transport

Content

Course description and content

This course discusses (1) problems and solutions of sustainability in the (urban) transport sector in a national and international context; (2) scientific methods and techniques for applying sustainable development theory in the planning and assessment of sustainable transport systems and; (3) specific topics and dilemmas in sustainable transport theory and practice.

The Sustainable Transport course reviews key literature in the field of sustainable transport, linked to actual developments in the field. Literature comprises of a textbook and scientific articles complementing the discussions in the text book (e.g. methodological and modelling issues in sustainable transport). This part is finalized with a critical book review. Based on the students' individual interest one or more topics or dilemmas of sustainable transport will be addressed in an issue paper that will be presented in a public seminar.

Students are expected to actively debate and deliberate in this course. Each class session some students will chair and prepare a discussion through a chapter summary and presentation, discussion and defend propositions in a Lagerhuis debate.

Assumed previous knowledge

Transport Policy and Planning

PARTICIPATING STUDY

M-CEM

PARTICIPATING STUDY

M-CME

Required materials

Book

Recommended materials

-

Instructional modes

Assignment (Required)

Lecture

Self study without assistance (Required)

Tests

Assignments

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