

Course TIL-Theories & Methods

Date:	5, 8 & 26 October 2020
Time:	10.00h – 16.00 h
Location:	TU Delft, room t.b.a.
Course leader:	Prof. Vincent Marchau
Lecturers:	Dr. Jan Kwakkel, Dr. E Molin, Dr. O. Cats, Prof. Bert van Wee
Days:	3
ECTS:	1 (attendance only) / 3 (attendance + passing assignment)
Course fee:	free for TRAIL/Beta/OML members, others please contact the TRAIL office
Registration:	www.rstrail.nl

Objectives

To support PhD students with their theoretical framing and methodological choices when doing their PhD research in terms of:

- (1) developing/improving their conceptual model and research strategy (Day 1)
- (2) learning how to navigate through various TIL-theories and methods (Day 1 and 2)
- (3) motivating theoretical-methodological choices (Day 2)
- (4) choosing specific theories and methods for performing the research steps of the individual PhD study (Day 3)

Course Description

Day 1:

- Intro, course overview + explanation of the assignment (1h, Marchau)
- PhD students present their current conceptual model and theoretical/methodological framework, according to a predefined format (2h¹, Marchau & Kwakkel)
- How to design a conceptual model, how to choose theory/theories & methods (3h, Van Wee)

Day 2:

- Morning: lecture + preparing for presentation Day 3: methodological choices given theoretical framing from a social science perspective (3h, Molin)
- Afternoon: lecture + preparing for presentation Day 3: methodological choices given theoretical framing from an engineering science perspective (3h, Cats)

Day 3:

- Go/No presentation: students will present and discuss their setup of the assignment in class. (3-6h¹, Marchau & Kwakkel)

Assignment

A paper, summarizing the individual theoretical and methodological setup of (parts) of the PhD student's research (i.e. a draft chapter 2 of the student's PhD thesis). This assignment will be graded (pass/no pass) by their supervisor.

Course material: to be announced.

Prerequisite: none.

¹ If the number of participants is high, this will be done in subgroups (i.e. we aim at groups of 5-6 students)