

Course TIL-Theories & Methods

Date:	28 September, 12 October & 23 November 2023
Time:	10.00h – 16.00 h
Location:	TU Delft - see below
Course leader:	Prof. Vincent Marchau
Lecturers:	Prof. O. Cats, Prof. Jan Kwakkel, Dr. E Molin, 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

Location:

TU Delft - room t.b.a.

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:

- 10h00-10h30: Intro, course overview + explanation of the assignment (Marchau)
- 10h30-12h30: PhD students present (5-10 minutes per student) their research problem-goal, research strategy, and conceptual model (Marchau & Kwakkel)
- 13h30-16h00: How to design a conceptual model, how to choose theory/theories & methods (Van Wee)

Day 2:

- 10h00-12h30: lecture + preparing for presentation Day 3: methodological choices given theoretical framing from an engineering science perspective (Cats)
- 13h30-16h00: Afternoon: lecture + preparing for presentation Day 3: methodological choices given theoretical framing from a social science perspective (Molin)

Day 3:

Two subgroups of about 6 students will be made, i.e. group I and II

- 10h00-12h30: Go/No presentation: group I students will present and discuss (20 minutes per student) their setup of the assignment in class. (Marchau & Kwakkel)
- 13h30-16h00: Go/No presentation: group II students will present and discuss (20 minutes per student) their setup of the assignment in class. (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.