



TRA100 & TRA105 - Emissions from transportation

A TRACKS course – 7.5 credits, starting sp2 2021

The transport system is very complex yet fundamental for our society. At the same time, it is crucial to minimize the effects on human health and the environment. A broad understanding of transportation technologies and their emissions is important to enable a sustainable transportation system.

In this course you will get an introduction to current transportation technologies and the different effects from emissions. You will learn, reflect and collaborate with students from other backgrounds, as will be a necessity in your future career.



TRACKS PROGRAM

This course runs through the Tracks program, a cross-disciplinary initiative that places students from different educational backgrounds together in project groups for enhanced learning experience. Look online for more information about the Tracks program.

Students at either the bachelor's or master's level are welcome. General learning objectives can be found at the TRA100 & TRA105 student portal pages.

SUSTAINABLE DEVELOPMENT

This course works within the United Nation's Sustainable Development goals (most specifically Goal 3 Good health and well-being, Goal 11 Sustainable cities and communities and Goal 13 Climate action)

SCHEDULE

The class will start in November 2021 and run during study period 2, block A. ***The lectures (sometimes pre-recorded) will be given on-line at various occasions with Q&A sessions irl (flipped classroom).***

COURSE TASKS

In addition to assignments and a laboratory, the project groups will write a report that addresses a broader task on the society level. Because this course is a cross-disciplinary project and not part of any educational program/department, **students from all programs are welcome**. In order to get a good balance between student background we may need to do a selection. Thus, we will need a short statement to why you want to participate (as well as your current enrollment).

Interested? Contact Jonas Sjöblom via e-mail to enroll! Include your program and reasons for wanting to take the course. E-mail: jonas.sjoblom@chalmers.se , apply before October 11th