

Course syllabus for

P02: International Product and Production Development

2021 Scandinavia: Opening up after the pandemic

This year (2021-2022) Specific dates:

- Application must be submitted before September 15th 2021 (Start by sending inquiry to dagb@chalmers.se)
- The course will involve 4 physical meetings in Sweden, Denmark, Norway and Iceland.
- First meeting will be held in Gothenburg in October
- Final Report Deadline 2022-06-30
- Presentation: TBD



General Course description (does not change specifically over the years):

Credits	7,5 hec
Grading scale	Satisfactory/not satisfactory
Education cycle	Third-cycle
Examiner	Dag Bergsjö, Chalmers University of Technology
Eligibility	A Master's degree in engineering or currently enrolled as a PhD student in a relevant theme. Selection of participants will be based on the individual application, submitted before application deadline. Selection is based on previous experience in particular regarding the research topic and progress as well as participation in other Production 2030 courses.

Aim	<p>The course aims to create an in depth understanding of product development and production from a global perspective. By visiting regions and discussing problems with fellow PhD students and industrialists from around the globe. Each year the course will have a specific focus on a special region.</p>
Intended learning outcomes	<p>After completion the course participant should be able to:</p> <ul style="list-style-type: none">• Identify key differences and similarities regarding product and production development in the studied region in relation to Sweden.• Demonstrate the ability to formulate learnings from the study visits both orally and in written text and relate the experiences to the research front and industrial practice.• Be able to present the cultural and historic development of the region(s) we visit.• Write accessible texts, for a broader non researcher audience.• describe the regions business system, production and development industry.
Course content	<p>The course is organised around a series of meetings in Sweden (and Scandinavia) in conjunction with a longer 1-2 week field trip to the theme region.</p>
Course organisation	<p>Three meetings before the field trip ranging from 2-3 days. One longer visit (1-2 weeks) and a follow up presentation/reunion day 1 day. Totally 5 meetings. All meetings will include field trips and networking events with local industry and researchers.</p> <p>Each course participant will be assigned a theme group where you will work on a theme relating to both your research topic and the theme region to be visited. Further all participants will be included in groups responsible for:</p> <ul style="list-style-type: none">• Final presentation (Content, design and execution)• Final report (layout, organization, review, print, etc)• Funding and sponsoring• Travel planning (content, pathways, weekend activity)
Examination	<p>A successful completion of this course will be judged on the following:</p> <ul style="list-style-type: none">• Completion of the final report within the deadline set.<ul style="list-style-type: none">○ Completion of specific “theme” chapter regarding their own research. And:○ Active participation in general parts.• Presentation of the report on a local production conference• Participation at the first event

- Participation at the field trip
- Participation at 2 of 3 of the remaining events.

Literature

No specific literature. Literature relating to the own theme chapter will be selected by the individual groups.