


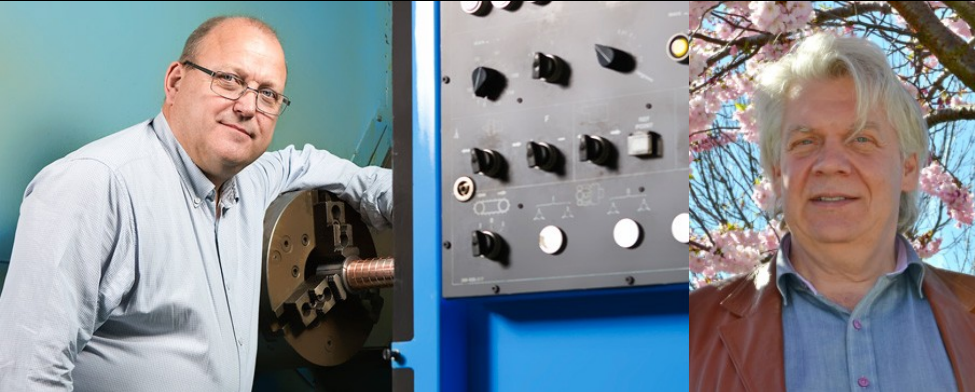
## GRADUATE SCHOOL



# PRODUKTION2030

Courses [www.produktion2030.se](http://www.produktion2030.se)

*Course name	<b>P02 International Production</b>	
1-2 Images describing the course subject		
*Examiner	Bengt-Göran Rosén, Halmstad University, Produktionsakademien <a href="mailto:bg.rosen@hh.se">bg.rosen@hh.se</a>	
*More info, contact person	Bengt-Göran Rosén, Halmstad University, <a href="mailto:bg.rosen@hh.se">bg.rosen@hh.se</a>	
*Course site and dates	<i>(Town and dates)</i> Start 2'nd of November in Halmstad	
*Teachers /Tutors	<i>(incl. about 100 words short CV)</i> BG Rosén has a long experience in teaching international master- and PhD students as well as leading and participating in research projects together with internationally leading companies like SKF, Volvo, Getrag, AlfaLaval, Outocumpu, Scania and others. BG holds a visiting professorship in Beijing, China. Jan-Eric Ståhl, professor at Lund University is an internationally recognized leading authority on cutting processes and manufacturing system analysis and has authored internationally wide spread text books in the field of	

	<p>production engineering. Jan-Eric has also been examining previous Swedish national courses in International production and will lead part 2 of the course: Teori och studiebesöksdel kring Internationell Produktion och produktionsanalys.</p>
<p>Pictures of Teachers</p>	
<p>*Target group</p>	<p><i>(professionals who want to ... and doctoral students who wants to ...)</i>  PhD students with interest and background in Production Engineering</p>
<p>*Overall Course Goal</p>	<p><i>(short, one sentence)</i>  The course aims through study visits to manufacturing companies in at least two countries compare and evaluate different production conditions concerning, inter alia, culture, management and leadership, technology, automation level, cost breakdowns, etc.</p>
<p>Higher Education Credits/ "Points"</p>	<p>7.5hp</p>
<p>*Ingress Short Summary and aims</p>	<p><i>(max. 5 lines)</i>  This much appreciated course will in theory and practice develop the participant's skill in analyzing a production system and compare production systems in different countries. The course will visit Swedish as well as International companies and a theory base for the analysis and the discussion of differences and similarities between companies operating on different markets (Sweden, other EU countries, USA, BRICK countries ect...).</p>
<p>*cont... Summary and aims</p>	<p><i>(max. 10 lines, continuing the field above)</i></p>
<p>*Learning outcomes</p>	<p><i>(USE ACTIVE WORDS reason about, describe, handle, apply, use, conduct, explain, analyse and evaluate. Use headers and bullets if possible)</i>  Upon successful completion of the course, participants should be able to:</p> <ul style="list-style-type: none"> <li>• Identify the differences between various production systems that can be related to the society (living standard / default, culture, history).</li> <li>• Identify the differences between various production systems leading to a given competitiveness.</li> <li>• Describe the specific differences between the different production systems in terms of quality, yield, time-sharing and pace as well as exemplify the reasons for the differences.</li> <li>• Assess the series great importance of play for the cost picture which eg. setup time and run-time into account.</li> <li>• General assessment of the production system requirements for the</li> </ul>

	<p>competence of personnel and conditions and skills development.</p> <ul style="list-style-type: none"> <li>• Roughly estimate the detailed cost breakdown of production systems in terms of the traditional cost items in industrial production.</li> <li>• Describe the differences in the level of automation between the studied systems.</li> <li>• Explain the difference between production systems in terms of environment and recycling parameters.</li> </ul>
*Course content	<p><i>(brief "popular" description of main content and important steps)</i></p> <p>Opening meeting in Halmstad <b>Monday 2/11</b> to start up (Stage 1) and initially to plan the implementation where the idea is to use the time until Christmas to plan the next 3 course steps (2: Theory and industry visit on international production and production analysis, 3: implementation of international study visits within a week abroad, 4: Examination of reports and presentations.)</p>
Expected pre-knowledge	<p><i>(courses or knowledge/experience required to follow course)</i></p> <p>The best thing is if you have attended "P40 Development of Industrial Production Systems". Otherwise most PhD students with a general production engineering degree should be ready to follow the course.</p>
Registration info and FEES	<p><i>(instructions of how to register for course and prices/payment for external participants)</i></p> <p>Registration should be made at <a href="http://www.p2030graduateschool.se">www.p2030graduateschool.se</a></p>
Examination	<p><i>(Examination procedure)</i></p> <p>A written report, oral presentation, seminar discussion and poster will equally contribute to the course grade (fail, pass).</p>
Literature	<p><i>(books, papers, web-link, you tube...)</i></p> <p>To be decided at course start</p>
*Limiting number of participants	<p>15 participants</p>
Detailed Course Structure/ Class sessions	<p><i>(structure and main "blocks" on a day and date to day and date to basis. Hours if possible on draft plan, hours definitely on final plan)</i></p> <p><b>Day 1: Monday, 2 October,</b> 10:00-16:00: At startup the meeting, we will inform about the course's main parts, begin planning discussions with a preliminary timetable. Various working groups will be staffed and a target for the study trip will be established and assessment / reporting will be discussed.</p> <p>Further meeting and agenda will be presented the 2<sup>nd</sup> of November.</p> <p>After Christmas and New Year, Part 2 will start up and at the decided day, a trip to a foreign country will be made. Destination will be decided by course participants with a starting meeting the 2<sup>nd</sup> of November.</p> <p>Those of you who cannot be physically in Halmstad 10:00 to 16:00, has the opportunity to participate via Adobe Connect. Login address will be supplied after your registration to the course on the internet.</p>

Travelling directions incl. google map and coordinates (to be added before first lecture)

The course starts at Halmstad University in the P-house (see map below) at the third floor. Follow signs to the course start area.



## To Get to and where to sleep...

[www.halmstad.se](http://www.halmstad.se)

**By air:** Travel to Copenhagen Airport and take the direct train to Halmstad (about 2hrs) OR fly to Gothenburg (Göteborg Airport) and take busses to Göteborg Centralstation and further south with direct trains. Rental cars are also available. Take the E6 and turn at Halmstad –south exit.

**Train arrival:** 2km from the University, Take a taxi (there are normally some waiting at the central station). Ask for the address University, Linjegatan 7. House P (3rd floor offices)

**Driving cars:** Halmstad is situated about 150km north of Copenhagen and 150km south of Göteborg.

**From Malmö and Copenhagen:** Drive north on the Motorway E6 1.5-2hrs and take the first exit towards city centre. Follow the map on next page.

**From Göteborg:** Take also the Motorway E6 about 1.5 hrs drive from Göteborg. Take the third Halmstad exit (south) and follow the map on next page.

**Accommodation:** Halmstad is a tourist city and a lot of Hotels are available I recommend (Use Halmstad Univ. as reference might save some money):

**First, try: Scandic Hotell Hallandia (in the town centre):**

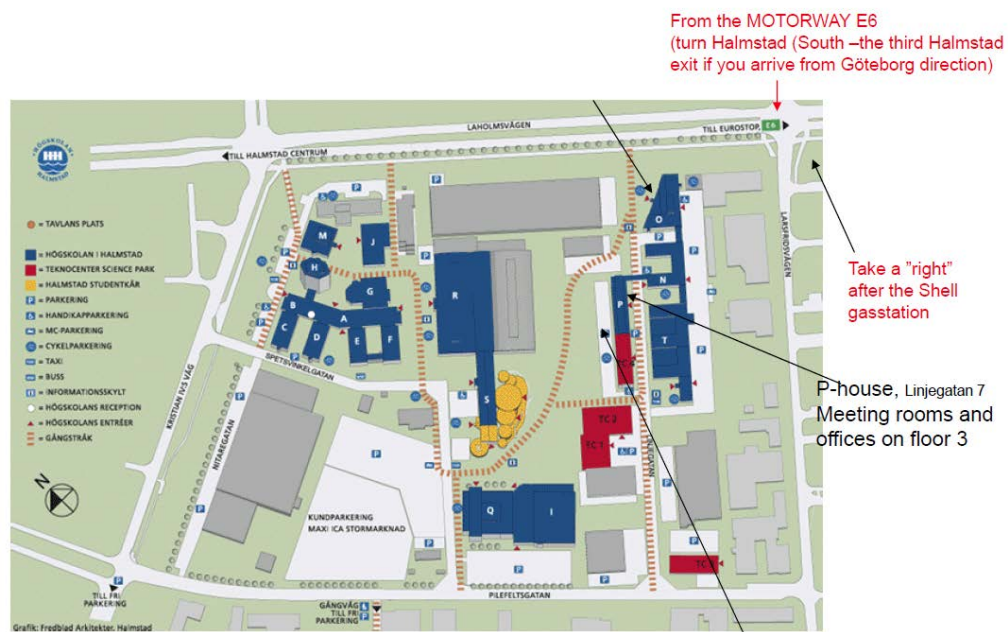
<http://www.scandichotels.com/en/Hotels/Countries/Sweden/Halmstad/Hotels/Scandic-Hallandia/?redirected=true>

**Secondly:** Best Western Grand Hotell (opposite the rail-road station, walking distance to the University):

<http://book.bestwestern.com/bestwestern/productInfo.do?propertyCode=88119>

Hotell Tylösand (high standard at the famous beach outside Halmstad): <http://www.tylosand.se>

Hotel Eurostop at the Motorway E6, Low budget Hotel: <http://www.choicehotels.no/hotels/hotel?hotel=SE010&promo=qglobal>



University homepage: <http://www.hh.se/>  
 Street address: Linjegatan 7  
 University reception phone +46 35167100  
 Prof. Roséns' mobile: +46 730335272

Parking (dont forget to pay!!)