

# PLANNED DOCTORAL COURSES AT THE SCHOOL OF ENGINEERING

Updated 2024-09-17

	Confirmed start
	Course given in conjunction with a second-cycle course. Responsible teacher should be contacted.
	Planned but not confirmed

Course coordinators:  
 Courses Fall – schedule latest March 30  
 Courses Spring – Schedule latest September 30

Doctoral courses in the Graduate School Industrial Product Realisation	Course code	Course responsible / examiner / Contact	2024		2025	
			Spring	Fall	Spring	Fall
<b>Mandatory courses, all subject areas</b>						
Industrial product realisation, 5 credits / Industriell produktframtagning, 5 hp	FTIPF35	Kerstin Johansen		13 Sept – 4 Feb		
Theory of science and research methodology, 4 credits / Vetenskapsteori och forskningsmetodik, 4 hp	FTVFM38	Kristina Säfsten				Sept
Ethics in engineering practice and research 2 credits / Etik för ingenjörer och forskare, 2 hp	-					Nov
Basic Communication and Teaching, 4 credits / Grundläggande kommunikation och undervisningslära, 4 hp *	FTGKU38					
Systematic Searches and Scholarly Publishing, 3 credits / Systematisk sökning och vetenskaplig publicering, 3 hp	FTSVP33	Paola V. Nilsson/Associate Dean of Research	7 March – 17 April	7 Nov – 12 Dec	27 Feb –25 April	
<b>Mandatory courses, Materials and manufacturing</b>			<b>Spring</b>	<b>Fall</b>	<b>Spring</b>	<b>Fall</b>
Mathematical Modeling of Casting, 7,5 credits / Matematisk modellering av gjutning, 7,5 hp	FTMMG33	Attila Diószegi		Oct		
Metallurgy, Solidification and Modeling of Cast Iron, 7,5 credits / Metallurgi, stelning och modellering av gjutjärn, 7,5 hp	FTMSM34	Attila Diószegi			12 - 16 May	
Casting, 7,5 credits / Gjutning, 7,5 hp	FTGJU33	Anders Jarfors	ends			
Light Metal, 7,5 credits / Lättmetall, 7,5 hp	FTLME33	Anders Jarfors	ends		11 - 14 June	
Corrosion and Surface Protection, 7,5 credits / Korrosion och ytskydd, 7,5 hp	FTKYT37	Caterina Zanella	May			

\* This course is now given by Educate and doctoral students at JTH are asked to read **Academic Teaching and Learning 1, 2 and 3**  
<https://intranet.hj.se/intranet/en/employment-and-working-environment/competence-supply/educational-development.html> .

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<b>Mandatory courses, Machine design</b>			<b>Spring</b>	<b>Fall</b>	<b>Spring</b>	<b>Fall</b>
Computer Systems for Automated Engineering Design, 7,5 credits / Datorsystem för automatiserad konstruktion, 7,5 hp	FTDAK35	Roland Stolt				
Design Optimisation, 7,5 credits / Konstruktionsoptimering, 7,5 hp	FTKOP37	Kent Salomonsson				
Product platforms, 7,5 credits (ProWOOD, Production 2030)	FTPPF36	Fredrik Elgh				
<b>Mandatory courses, Production systems</b>			<b>Spring</b>	<b>Fall</b>	<b>Spring</b>	<b>Fall</b>
Production Development, 5 credits /Produktionsutveckling, 5 hp	FTPRU38	Paraskeva W / Kicki Säfsten				
Practice Oriented Research Methodology, 5 credits / Praktisk forskningmetodik, 5 hp – this course may replace Research Methodology, advanced!	FTPFM31	Jenny Bäckstrand	17 April – 19 June			
<b>Other available courses JTH</b>			<b>Spring</b>	<b>Fall</b>	<b>Spring</b>	<b>Fall</b>
P05 Trend Spotting – How to Identify the Future Gaps? 7,5 credits	FTPO531	Lars Eriksson		20 Aug – 3 Dec		
PM3 Research methodology in product realization, 7,5 credits (Production 2030)	FTPM339	Kristina Säfsten				
Efterfrågedriven Enterprise Resource Planning, 7,5 credits	FTEER39	Joakim Wikner				