

## PLANNED DOCTORAL COURSES AT SCHOOL OF ENGINEERING

Updated 170924 - marked with green is confirmed, yellow is possible/under planning

Doctoral courses in the Graduate School	Course responsible/ examiner	2017		2018				2019				2020				2021			
		Lp1	Lp2	P3	P4	P1	P2	Lp3	Lp4	Lp1	Lp2	P3	P4	P1	P2	P3	P4	P1	P2
<b>Mandatory courses, all subject areas</b>																			
Industrial product realisation 5 hec	Glenn Johansson							Feb						Sep				Sep	
Theory of science and research methodology 5 hec	Kristina Säfsten		26 Oct							Oct									
Basic communication and teaching 4 hec (JTH specific)	HLK		v41-47			Oct				Oct				Oct				Oct	
<i>Teaching and learning (alternative course, general for JU) 7.5 hec</i>	HLK			vt (sv)				vt (eng)					vt (sv)					vt (sv)	
Information literacy and scholarly communication 3 hec	Biblioteket/Säfsten		11 Oct				Nov				Nov				Nov				Nov
<b>Mandatory courses: Material and manufacturing</b>																			
Mathematical modelling of casting 7,5 hec	Attila Dioszegi						P2	P3						P2					P2
Cast iron 7,5 hec	Attila Dioszegi								P4								P4		
Casting 7,5 hec (Two parts C1 + HA)	Anders Jarfors					w.34 C1				w.34 C1	HA		w.34 C1				w.34 C1	HA	
Light metal 7,5 hec	Salem S/Jarfors			w.3								w.3			w.3				
<b>Mandatory courses: Machine design</b>																			
Computer systems for design automation 7,5 hec	Fredrik Elgh		Oct								Oct								Oct
Design optimisation 7,5 hec	Kent Salomonson								April								April		
<b>Mandatory courses: Production systems</b>																			
Production system 5 hec	Rösiö/Johansson			v8								P3							
Research methodology, advanced 5 hec																			
- Practitioner oriented research 5 hp (as advanced RM course)	Bäckstrand/Säfsten																		
<b>Other available courses at JTH (financer)</b>																			
Product platforms 7,5 hp (ProWOOD+JTH+P2030)	Lennartsson/Elgh					Sept													
Ethics for researchers and engineers, 3 hp (ProWOOD+)	KTH/Säfsten			Jan-Mar															
Wood Material in Product Realisation, 7,5 hp (ProWOOD+)	Lnu			Jan															
Innovative and sustainable wood-working industry 7,5 hp (ProWOOD)	Lnu				April								April						
Operations management in the wood-working industry 5 hp (ProWOOD)	Mats Winroth					Sept								Sept					
Academic Writing, 7,5 hp (ProWOOD+ and JTH)	Vakant																		
Corrosion and Surface Protection, 7,5 hp	Caterina Zanella											P4							
PM3 Research methodology in product realisation (Produktion2030)	Säfsten																		
Product Realization in Networked Organizations 7,5 hec	Ulf Seigerroth																		

### NOTES CASTING COURSE

C1=Fundamental course in master programme,  
HA=Home assignment for the doctoral course