

Academic Year Overview 2018/2019

Department: Product Development

Programme: **Materials and Manufacturing (one year master), Half time study (50%), 60 hp**

Place of study: **Distans**

Language: **English**

Year 1 (Start Autumn 2018) Programme code: TAPU7

Semester 1 (2018-08-20—2019-01-13)																	Semester 2 (2019-01-14—2019-06-02)																							
34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22
Component Casting, 6 credits (Komponentgjutning, 6 hp)							Melting and Casting of Ferrous Alloys, 3 credits (Smältning och gjutning av järnlegeringar, 3 hp)				Moulding Materials in Foundry Technology, 3 credits (Formmaterial i gjuteriteknik, 3 hp)				Environmental Impact Assessment of Castings, 3 credits (Miljökonsekvensbedömning av gjutgods, 3 hp)				Material Testing and Characterisation, 6 credits (Materialprovning, 6 hp)					Failure Analysis, 6 credits (Haverianalys, 6 hp)					Cast Design and Calculation, 3 credits (Gjutdesign och kalkylering, 3 hp)											
Elective course: Advanced Casting Technology, 6 credits (Avancerad Gjuteriteknik, 6 hp)																																								

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Year 2 (Start Autumn 2017) Programme code: TAPU7

Semester 3 (2018-08-20—2019-01-13)																	Semester 4 (2019-01-14—2019-06-02)																							
34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22
Microstructural Engineering, 6 credits (Microstructural Engineering, 6 hp)							Analysis of Casting Defects, 3 credits (Gjutfelsanalys, 3 hp)				Modelling and Simulation of Casting, 6 credits (Modellering och simulering av gjutning, 6 hp)				Final Project Work in Product Development, 15 credits (Examensarbete i Produktutveckling, 15 hp)																									