

Course schedule

Date	Time	Place	#	Topic	Teacher
30/8	15-17	Röd	L1-2	Information and introduction. Component casting. Cast house processes Chapter 1-2	AE
31/8	10-12	Röd	L3	Casting hydrodynamics. Chapter 3.	AE
4/9	10-12	Röd	E1	Component casting. Cast house processes. Casting hydrodynamics. Chapter 1-3	RF
5/9	15-17	Röd	L4a	Heat transport at component casting – structure formation. Chapter 4-5	AE
6/9	15-17	Röd	L4b	Heat transport at Sand mould casting - good contact Chapter 4-5	AE
12/9	15-17	Röd	E2	Heat transport at component casting. Chapter 4-5	RF
13/9	15-17	Röd	L4c	Heat transport at component casting - poor contact. Chapter 4-5	AE
				<i>Datorlab – Intro?</i>	
18/9	10-12	Röd	E3	Heat transport at component casting - poor contact. Chapter 4-5	RF
19/9	15-17	Röd	L5	Structure and structure formation in cast materials. Chapter 6.	AE
20/9	15-17	Röd	L6	Microsegregation and solidification processes in alloys. Macroseggregations. Chapter 7, 11.	AE
				<i>Datorlab- Intro/Task?</i>	
25/9	10-12	Röd	E4	Structure and structure formation in cast materials. Microsegregation and solidification processes. Chapter 6-7, 11	RF
27/9	15-17	Röd	L7a	Precipitation of pores and slag inclusions at casting processes. Chapter 9.	AE
28/9	10-12	Röd	L7b	Precipitation of pores and slag inclusions at casting processes. Chapter 9.	AE
				<i>Datorlab- Task?</i>	
2/10	10-12	Röd	E5	Reaction kinetics and precipitation of gas pores and non-metallic phases during solidification. Chapter 9.	RF
3/10	15-17	Röd	L8a	Solidification and cooling shrinkage of metals. Chapter 10	AE
4/10	15-17	Röd	L8b	Solidification and cooling shrinkage of metals. Chapter 10. Information about the Study Visit at Scania AB, Södertälje?	AE
	12-17	Scania		Study Visit at Scania AB, Södertälje (not confirmed)	AE
				<i>Datorlab- Presentation?</i>	
9/10	10-12	Röd	E6	Solidification and cooling shrinkage. Thermal stresses.	RF

				Chapter 10	
12/10	10-12	?	Sem	Seminar – study visit tasks	
12/10	13-15	Röd	L9	Repetition: Casting and solidification. Information about the exam.	AE
13/10	10-12	Röd	E7	Repetition	RF
27/10	08-13	Röd	Ten	Examination.	AE

AE: Anders Eliasson

RF: Robin Frisk

BG: Bjoern Glaser