

Detailed timetable BOM175 - 2020

*provided digitally

Updated 2020-09-01

Week	Study week	Day	Date	Start	End	Room	Description	Teacher
v 36	1	Tuesday	2020-09-01	13:15	17:00	SB-R245	Course objectives. Alignment of the time-table. Introduction to design task and designer's role Building certification method: Environmental Building (Miljöbyggnad) Energy use in buildings - definitions Conceptual design – needs, goals and objectives • Individual work - getting familiar with the building layout and certification system. • Listing of design tasks. • Formation of preliminary project groups • Group work – discussing and formulating design tasks; survey of available group competence; distribution of tasks per group member; project management tool	Pär
		Thursday	2020-09-03	13:15	17:00	SB-D023*	Computer exercise 1 / Simulink intro – dynamic energy balance of the building, • Tutorial - lumped thermal model of a building - exercises Building 1-2-3; real climate data; heater and cooler; annual heating and cooling demand; max heating and cooling power demand • Students follow the instructions and work on their own case-study building	Yichi
		Friday	2020-09-04	13:15	15:00	SB-D023*	Computer exercise 2 / Simulink continuation - dynamic energy balance of the building • Tutorial – variable ventilation flow rate and internal gains; model of the window • Students follow the instructions and upgrade the models from Computer lab 1	Yichi
v 37	2	Tuesday	2020-09-08	13:15	15:00	*	Lecture: Smart and sustainable offices	Melina
		Tuesday	2020-09-08	15:15	17:00	SB-R267*	Lecture: heat gains through windows, heat loads in supermarkets. Project work	Pär
		Thursday	2020-09-10	13:15	17:00	The Lipstick / Nordstan	Study visit / Vasakronan Orientation in shopping centre with regard to logistic principles, equipment, lighting, temperature levels and thermal comfort. Pay attention on entrances regarding security, work environment and energy consequences.	Pär / Yichi
		Friday	2020-09-11	13:15	15:00	SB-D023*	Computer exercise 3 / Simulink consultations	Yichi
v 38	3	Tuesday	2020-09-15	13:15	15:00	*	Lecture: thermal comfort and daylight in buildings; daylight simulations in IDA ICE	Max
		Tuesday	2020-09-15	15:15	17:00	SB-D023*	Computer exercise 4 / IDA ICE	Fredrik
		Thursday	2020-09-17	13:15	17:00	SB-R267*	Project work	
		Friday	2020-09-18	13:15	15:00	SB-R267*	Consultations 30 min/grp; Project work	Yichi / Fredrik

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v 39	4	Tuesday	2020-09-22	13:15	17:00	*	Lecture: Fire safety in complex buildings	Bijan
		Thursday	2020-09-24	13:15	17:00	SB-R267*	Project work	
		Friday	2020-09-25	13:15	15:00	SB-R267 / SB-K582	Critique 1	Pär / Yichi
v 40	5	Tuesday	2020-09-29	13:15	15:00	*	Lecture: moisture safety and risk, moisture performance criteria	Pär
		Tuesday	2020-09-29	15:15	17:00	SB-D023*	Computer exercise 5 / Wufi 1 - intro/repetition • Moisture performance analysis of roof/wall connections with WUFI	Kaj
		Thursday	2020-10-01	13:15	15:00	*	Lecture: moisture safety and risk, probabilistic risk assessment	Pär
		Thursday	2020-10-01	15:15	17:00	SB-D023*	Computer exercise 6 / Wufi 2 - continuation • Moisture performance analysis of roof/wall connections with WUFI	Kaj / Pär
		Friday	2020-10-02	13:15	15:00	SB-R267*	Consultations 30 min/grp; Project work	Pär
v 41	6	Tuesday	2020-10-06	13:15	15:00	SB-D023*	Computer exercise 7 / Wufi 3 consultations	Kaj / Pär
		Tuesday	2020-10-06	15:15	17:00	SB-R267*	Project work	
		Thursday	2020-10-08	13:15	15:00	SB-R267 / SB-K582	Critique 2	Pär / Kaj
		Thursday	2020-10-08	15:15	17:00	SB-R267*	Project work	
v 42	7	Tuesday	2020-10-13	13:15	17:00	SB-R267*	Project work	
		Thursday	2020-10-15	13:15	17:00	SB-R267*	Consultations 30 min/grp; Project work	Pär
		Friday	2020-10-16	13:15	15:00	SB-R267*	Project work	
v 43	8	Tuesday	2020-10-20	13:15	17:00	SB-R267*	Project work	
		Thursday	2020-10-22	13:15	17:00	SB-R267 / SB-K580	Final group examination	Pär
		Friday	2020-10-23	13:15	15:00	SB-L516	Individual written examination	Pär