

SUSCOS 2016/2017- 1E5 Advanced Design of Glass Structures

Date	Lectures: 8.30-10.00 1E5	Lectures: 10.30-12.00 1E5	Design Applications: 14.00-16.00 TP	Practice (individual work) 16.00-18.00
23.05	Historical highlights, production and material characterization (VU)	Glass strengthening methods (imposed favourable pre-stress field methods) (VU)	Design of members in tension. Design of members in compression (VU)	
24.05	Laminated glass and interlayers (VU)	Insulated glass units (VU)	Design of a glass column (VU)	
25.05	Fire resistant glass, photovoltaic glass, aesthetic coating (VU)	Fracture strength of glass, testing methods (VU)	Design of a glass fin (VU)	
26.05	General design guidelines (VU)	Design of compressed glass members (VU)	Design of insulated glass units (VU)	
weekend				
29.05	Design of glass beams (ME)	Plate and shear buckling (ME)	Design of transparent acoustic barrier (ME)	
30.05	Bolted connection of glass structures (ME)	Glued connection (ME)	Hybrid glass components (ME)	Design of a glass balustrade (ME)
31.05	Curved glass, balustrades, staircases (ME)	Glass facades (ME)	Glass bridges (ME)	Design of glued glass T-beam Design of cold bent glass canopy (ME)
01.06			free	
02.06			free	
weekend				
05.06			free	
06.06			TP 2E5 Deadline	
07.06			TP 2E5 Deadline	
08.06				
09.06		EXAMINATION 1E5		
weekend				

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