

Constructing Equilibrium

Design Exercise FS2014

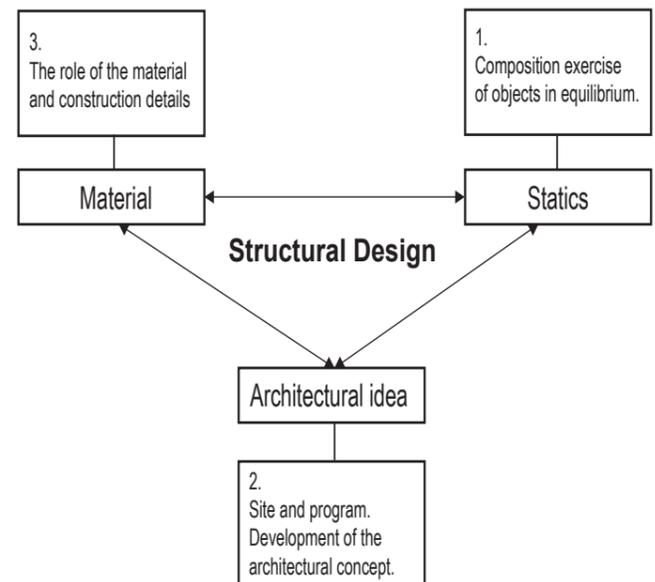
Introduction:

Structural design emerges from the interrelationship between statics, the architectural concept and the material properties. During this semester's design exercise we will study this triangular relationship by means of a three-step approach, which will guide you from initial abstract concepts to a concrete architectural project.

Step 1: You will run this process from the topic of statics by means of an abstract composition exercise based on the exploration of equilibrium configurations of household objects, inspired by the work „Equilibres“ by the Swiss artists Peter Fischli and David Weiss.

Step 2: In the second step a specific site and a program will be given. Based on the result of step 1 and the given site and program, you will be asked to develop an architectural concept.

Step 3: In the last step you will study the role of the material and the construction details in your proposal. In this final phase the translation of your initial abstract concepts to a final architectural proposal will be completed.



Schedule:

WEEK 01 (21.02)	WEEK 02 (28.02)	WEEK 03 (07.03)	WEEK 04 (14.03)	WEEK 05 (28.03)	WEEK 06 (04.04)	WEEK 07 (11.04)	WEEK 08 (02.05)	WEEK 09 (09.05)	WEEK 10 (16.05)	
Intro										
STATICS										
> Input: catalogue of objects > Task: Produce 3 different structural composition using 4 to 6 objects chosen from the Catalogue			Review 1 > Submission 1: A3 Panel with explanatory note and pictures of the 3 compositions and relative structural diagrams Model representing one of the three compositions							
ARCHITECTURAL IDEA										
			> Input: site and programme > Task: Choose one of the static configurations and elaborate an architectural proposal according to the given site and programme		Review 2 > Submission 2: A3 Panel with explanatory note, architectural references, explanation of the design process and pictures (rendering or collage) of the architectural proposal Conceptual architectural model of the proposal (scale: 1/50)					
MATERIAL										
			> Input: material, construction system > Task: Choose a material and construction system to be integrated in the design proposal				Interim Jury > Submission 3: A3 Panel with explanatory note, references of the construction system, pictures (rendering or collage) of the materialised architectural proposal, qualitative structural diagramme Architectural model of the proposal (scale: 1/50)			
DESIGN REFINEMENT										
							> Input: feedback from jury > Task: Implement the feedback from the jury and develop the final proposal		Final Jury > Submission 4: A1 Panel with explanatory note, picture of the model of the initial structural concept, pictures (rendering or collage) of the materialised architectural proposal, quantitative structural diagramme architectural model of the proposal (scale: 1/50)	
FINAL PROPOSAL										