Option DP-Design Process
Study and experiment of architectural design process

2017-18
ARCH-P-7107

COGNITION AND DESIGN

DESIGN PROCESS ANALYSIS

EXPERIMENT A DESIGN PROCESS

COMMUNICATE A PROCESS

FOCUS 2017 CONCRETE & TACTILITY

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First Term
Thursdays 9-12 am & 2-6 pm
Objectives of this teaching unit

- This unit “Design Process” aims to highlight the elements of the design process, to underline the multiple implications on the student’s architectural production. This one enlarges the approach of the architectural program and thus the student’s’ creative potential, firstly by developing cognitive knowledge, and secondly, by approaching the experimental research focused on the study of the design process.

Our contribution to the educational profile

- **Design a project** to experiment and be innovative by performing an installation including the integration of human, technical and economic constraints of the design project.
- **Develop a reflexive attitude** enriching the theories and practices of architecture: master and integrate the technical and human sciences of architectural design, manufacture, and transmit a design expertise, problematize a research question around the process.
- **Build as an architect ethical and responsible practice:** consider architecture as a cultural discipline constantly renewed, in constant touch with developments of artistic and social practices.
- **Interact with all the actors involved in the issues of space and architecture:** Foster experimentation and creativity; communicate in a clear and structured way for experienced or not public, the architectural design process tracking and its spatial production.
Course Outline > Learning Objective

Observe, analyze and assess the design process;

Understanding the stakes of the architectural design process.

Assess the potential of a material and a design element.

Design an installation;

Present in English a design process and its production orally and in writing (poster, book).
Learning Outcomes

• After submitting a book about the design process, students will be able to critically assess the design process and understand its stakes.
• After making a box with the choice on a material and a design element, students will be able to find references to argue their assessment about it.
• After analyzing a design session, students will be able to find out characteristics of a design process.
• After producing an installation, students will be able to design it by taking into consideration human, financial and technical constraints.
• After interacting in class, students will be able to present a design process and its production orally and writing in English.
Teachers – Lecturers

- **Prof. ir. Geneviève Martin** [genevieve.martin@ulb.ac.be](mailto:genevieve.martin@ulb.ac.be)
  Teacher in Mechanic, Building’s structure and equipment since 1992 at Victor Horta Architecture School
  Researcher in Architectural Design Process
  Cognitive Sciences, Faculty of Psychology and Education Sciences, ULB-ULg
  Civil Engineer in Mechanic and Electricity (Fluid Mechanics), ULB

  Owner « Light to Light » Lighting Company
  Lighting Designer

- **Prof. Ir. Pierre Leclercq**, Director of Lucid Lab, ULg

- **Prof. Dr. Arch. Marc Crunelle** [http://www.spatialogie.net/](http://www.spatialogie.net/)
  Researcher in architectural perception,
  Doctor in Space Psychology
  Teacher at Victor Horta Architecture School
  Architect, sculptor, carpenter, joiner

- **Arch. Phuoc Wil Nguyen**, Food Designer, senior in Design Process Class

- **Anne-Sophie Daout**
  Head of Archives and the Architecture Library, ULB
  Art Historian

References