# LBARC1161 - Construction and materials I

**2014-2015**

| 5.0 credits | 75.0 h | 1q |

**Teacher(s):** Proces Michel; Roger France Jean-Francois; Bodart Magali;

**Language:** Français

**Place of the course:** Bruxelles

**Inline resources:**
- Lecture presentation
- Calendar (with the dates of teachers interventions)
- Power point documents
- Sample of questions

**Aims:**
The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled “Programmes/courses offering this Teaching Unit”.

**Evaluation methods:**
The evaluation is done via a written examination with multiples choices questions, open questions and details sketches.

**Teaching methods:**
Lectures based on the illustrated lecture note (figures, technical details), powerpoint presentations and also based on material samples and construction elements of the material library.

**Content:**
- Materials
  - General Chemistry notions
  - Soil
  - Stones
  - Binding agent
  - Cement and concrete
  - Ceramics
  - Wood
  - Elements and construction systems’ structures
  - General construction and structure principles
  - Massive structures
  - Walls and openings
  - Frame
  - Banking and funding

**Bibliography:**
Le Petit DICOBAT : Dictionnaire général du bâtiment, Jean de VIGAN, Edition ARCATURE, Paris

**Cycle and year of study:**
> Bachelor in architecture (Bruxelles)

**Faculty or entity in charge:**
LOCI