

**Course Syllabus**  
020MACGS1 Construction Materials.

1. **Course number and name:** 020MACGS1 Construction Materials.
2. **Credits and contact hours:** 4 Credits, 35 hours (Divided by 2 instructors)
3. **Instructor's or course coordinator's name:** Bassam NASRALLAH
4. **Textbook and other supplemental material:**
  - a. Instructor class notes (Prepared by Architect Said BITAR and updated and reviewed by Bassam NASRALLAH)
5. **Specific course information**
  - a. **Catalog description:** Objective: Teach students the properties and utilities of civil engineering materials (Stones - Glass – Wood)
  - b. **Prerequisites:** Chemistry
  - c. **Required/Elective/Selected Elective:** Required major course for all Civil Engineering students.
6. **Specific goals for the course**
  - a. **Specific outcomes of instruction:**
    - Define the utility of materials for direct application or for transformation into artificial material
    - Introduce the students how to select materials (Origin, quality, price, type of use, ...)
    - Application of materials
  - b. **KPIs addressed by the course:**

KPI	b3	e1
Covered	x	x
Assessed		
Give Feedback		

7. **Brief list of topics to be covered and approximate number of lectures:**

Natural Stones Materials. The main Natural Stones. (4 hours)  
Artificial stony materials based on cement: Bricks, roofing tiles, cinematic, cement base tiles and glasses. (4.5 hours)  
Horizontal and vertical tiles installation, Cladding and tiling. (3 hours)  
Stone Construction. (3 hours)  
Wood materials. (3 hours)