

Course name: Building Materials and Chemistry

Course code: YCREAKFBNF

Hours per week: 1 lecture / 0 practice / 2 laboratory; Final mark/ 7 credit

Precondition for Erasmus students: none

In charge: Assoc. Prof. Fehérvári Sándor PhD

OBJECTIVE OF THE COURSE:

Students become familiar with the basic mechanical and physical properties of construction materials. Basic physical, mechanical, and hydromechanical properties of the most important structural materials: iron, steel, timber, ceramics, bricks and masonry elements, artificial and natural stones, glass, polymers.

14 WEEKS SCHEDULE**14 WEEKS SCHEDULE:**

1. week: Natural stones
2. week: Artificial stones
4. week: Wood and timber
5. week: Metals I., construction metals
6. week: Metals II., joints and corrosion
7. week: Ceramic products
8. week: Insulation materials
9. week: Waterproofing materials
10. week: Polymers used in construction
11. week: Glass products
12. week: Summarisation
13. Repetition possibility for the tests

Assessment:

Two midsemester tests, homework, exam