

Course name: BUILDING MATERIALS AND CHEMISTRY
Course code: YCRÉPKÉBNF
2 lectures / 0 practice / 2 laboratory / Exam/ 7 credit
Department: Department of Fire Safety and Construction Materials
In charge: Dr FEHÉRVÁRI Sándor PhD, Assoc. Prof., Head of the Department
For students of BSc in Civil Engineering
Pre-requirements for Erasmus students: none

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, and polymers.

14 WEEKS SCHEDULE:

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

Assignment:

Two midsemester tests, homework, exam

