

Course title: Building Engineering	Code: Erasmus FCEE-EM
Field of study: Civil Engineering first cycle	Year / semester: ...
Speciality:	Course: compulsory
Hours / week: Lectures: 10 Tutorials: 5 Laboratories: 0 Project / Seminars: 0	Number of credits: 6

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Status of the course in the study program:	Core course for students of Building Engineering
Course description:	The basic classification of building materials. Discussion of the structural components of buildings, such as walls, floors, roofs etc. Elements of law and regulations relating to building and heat transfer coefficients. Project of detached house (ground floor plan 1:50, first floor plan 1:50, roof plan 1:50, cross-section 1:50, view of building 1:100, some details etc).
Teaching outcomes:	The main aim of this course is to make project of the detached house on the basis of findings knowledge of building materials and building construction.
Prerequisites:	Basic knowledge of material properties, symbols on drawings and drawing techniques.
Teaching method:	Lectures (transparent and multimedia projector); Tutorials – (overview of the of the building, examples of houses, catalogs, consultation of drawings).
Assessment method:	Written colloquium. Project.
Bibliography:	

1. Polish Norm –Graphic signs architectural drawings - works., Graphic signs of building materials
2. Neufert – The Architectural and Building Design Guide, Arkady 1995
3. Building Engineering – vol.1, Building materials, Arkady 2005
4. Building Engineering – vol.2, Physics of materials, Arkady 2005
5. Building Engineering – vol.3, Building elements. Basics of Design, Arkady 2005
6. Building Engineering – vol.3, Structures of building, Arkady 2005
7. Markiewicz - Vademecum for designer, Archiplus 2004