Name subjects :		*MATERIALS IN CIVIL ENGINEERING AND ARCHITECTURE*		
Code subjects	***Case status***	***Semester***	***Number of ECTS credits***	***Number of lessons (weekly)***
PO2MGA	**Required**	**IV**	**6**	**2P+2V**

Study programs for which it is ***organized :*** Polytechnic , general studies

Conditionality other Subjects : None.

Idea studies subjects : Understanding the essentials question theory - related and practice construction materials .

Goals studies Subject **:** In this the student is introduced to the subject with physical- mechanical, structural and other relevant properties materials used in construction , as and basic methods tests technical properties construction materials

Outcomes learning : A student who successfully overcome this one subject , will be able to :
1. Understands and applies knowledge of construction materials based on principles materials science in theory and practice ;
2. Analyzing and interprets mechanical characteristics materials , including relationship stress – strain ;
3. S implements and evaluates tests and measurements mechanical characteristic materials ..

Name and surname teacher and Associate : Assoc. Prof. Dr. Jefto Terzović, Civil Engineer Nina Ćulafić

Teaching method and overcoming materials : lectures , exercises , tests , laboratories

WORK PLAN

Sunday :	*Name methodological unit for lectures (P), exercises (V) and others teaching contents (O); Planned shape checks knowledge (Pz)*	
Preparatory Sunday		Getting to know each other , preparing and enrollment semester .
And Sunday	***P/V***	Basic properties construction materials Physical mechanical properties
II	***P/V***	Building material-concrete Materials for making concrete
III	***P/V/ Pz***	Properties fresh concrete Physical-mechanical properties hardened concrete Rheological properties hardened concrete
IV	***P/V***	Examination concrete without destruction Technology concrete Light and heavy concretes
V	***P/V***	Wood and materials on base wood Physical properties wood
VI	***PZ***	**I COLLOQUIM**
VII	***P/V***	Metals Theory alloy Iron alloys iron
VIII	***P/V***	Corrosion metal
IX	***P/V***	Ceramics materials
X	***P/V***	Properties and procedures tests ceramic materials
XI	***P/V***	Contemporary materials in construction
XII	***P/V***	Waterproofing materials
XIII	***P/V***	Materialization thermal protection
XIV	***P/V***	Sound materials protection
XV	***P/V***	Materials for fire protection
XVI	***PZ***	**Final exam .**
XVII		*Verification semester and enrollment rating*
XVIII		***Correctional exam deadline***

Obligations student in progress classes : lectures , exercises , tests , practical teaching

Email consultations : YES

Load student

Sunday :	**In the semester :**
6 credits x 40/30 = 8 hours **Structure :** 2 hours lectures 2 hours exercises 4 hours independent work, including and consultations .	Total load for the subject 6x30 = 180h Structure : Teaching and closing exam : 8h x 16 weeks = 128h Necessary preparations ago beginning semester (administration , enrollment , verification): 8hx2=16h Additional preparation work and laying remedial exam time : 0-36h

Literature :

" Construction materials "-Mihailo Muravljov, Građevićna book 2007 (chapters 2 6,7 and 8, special part 2, chapters 1,2,3 and 4)

" Selected chapters from contemporary materials in construction " – Dragica Jevtić

Shapes checks knowledge and evaluation :
Test 16%, midterm 42% and exam 42%.

Rating	***A***	***B***	***C***	***D***	***E***
Number point	***90-100***	***80-89***	***70-79***	***60-69***	***50-59***