

Name subjects :		Dynamics construction and earthquake engineering		
Code subjects	Case status	Semester	Number of ECTS credits	Lesson fund
PL1DKZI1	Required	8	6	2P+2V

Study programs for which it is organized : Polytechnic

Conditionality other Subjects : None.

Idea studies subjects : Develop ability at students to solve problems realistic construction in practice .

Goals studies subjects :

Subject aims to enable students meet with basic principles and theoretical settings dynamics construction and earthquake engineering . Dynamic influences are very important for stability objects and on the subject is studied different dynamic forces , determination their intensity , impacts on construction and principles design construction which are resistant on dynamic forces . They are studied in particular earthquakes and designing construction resistant on effects earthquakes .

Outcomes learning : Dynamics construction and earthquake engineering : A student who successfully overcome this one subject , will be able to :

1. R a s s i o n s basics dynamics construction ;
2. R e l a t i o n s h i p s and application basic concepts construction objects resistant on effects earthquakes ;
3. S o l v e s specific examples and constructions analyzes over budget model ;
4. R e c e i v e d results applies on the occasion materialization construction .

Wooden buildings (module): A student who successfully overcome this one subject , will be able to :

1. A c q u a i n t a n c e s appropriate constructive systems (wooden constructions) and able to assess and choose adequately constructively and construction solution ;
2. S y n t h e t i c benefits knowledge from constructive and construction topics , such as and knowledge current technology , in process design

Name and last name teacher and associates : prof. Dr. Radojko Obradović

Teaching method and overcoming materials : lectures , exercises .

WORK PLAN

Sunday :	<i>Name methodological lecture unit (P), exercises (V)</i>	
Preparatory Sunday	Introduction , preparation and enrollment semester .	
And Sunday	P/V	Introduction to dynamics construction ; dynamic forces and way origin ;
II	P/V	Seismic constructive systems objects building construction ;
III	P/V	Seismic constructive systems objects building construction ;
IV	P/V	Seismic constructive systems objects building construction ;
V	P/V	Behavior objects during effects earthquakes ;
VI	P/V	Behavior objects during effects earthquakes ;
VII	P/V	Behavior objects during effects earthquakes ;
VIII	P/V	Security traditional objects during effects earthquakes ;
IX	P/V	Security traditional objects during effects earthquakes ;
X	P/V	Walls fill in and their influence on seismic characteristics object ;
XI	P/V	Walls fill in and their influence on seismic characteristics object ;
XII	P/V	Design principles objects resistant on effects earthquakes ;
XIII	P/V	Design principles objects resistant on effects earthquakes ;
XIV	P/V	Design principles objects resistant on effects earthquakes ;
XV	PZ	Final exam .
XVI	PZ	Correctional exam deadline

Obligations student in progress classes : lectures , exercises .					
Email consultations : Yes .					
Load student					
In the semester : <u>6 credits x 40/30 = 8 hours</u> – <u>2 hours lectures</u> – <u>2 hours exercise</u> <u>4 hours independent work , including consultations .</u>			In the semester : <u>Total workload for the subject 6x30 = 180h</u> <u>Structure : teaching and final exam : 8 hours x 16 weeks = 128 hours</u> <u>Necessary preparations before beginning semester (administration , enrollment , certification) : 8hx2=16h</u> <u>Additional preparation work and laying remedial exam time : 0-36h</u>		
Andrew Charleston, Radojko Obradović, Principles of construction objects resistant on effect earthquakes ; Branislav Čorić, Dynamics construction .					
Shapes checks knowledge and evaluation : And spit 100%.					
Rating	10	9	8	7	6
Number point	90-100	80-89	70-79	60-69	50-59