Name subjects :	*Theory construction 2 - surface carriers*			
Code subjects	***Case status***	***Semester***	***Number of ECTS credits***	***Lesson fund***
PL1TK2	**Required**	**7**	**8**	**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 theories surface carrier . Real constructions are adopted theoretical assumptions replace budgetary models on which are analyzed influences loads and effects . Thus obtained reactions supports , cross-sections forces and kinematic sizes prerequisite are for sizing and materialization .
Different ones are studied. types surface carrier and methods analysis and calculations .

Outcomes learning : A student who successfully overcome this one subject , will be able to :
1. R a ssions and application basics theories surface support (plate) and husks);
2. It has the ability to synthesize benefits knowledge from constructive and construction topics , such as and knowledge current technology , in process design ;
3. Specific constructions analyzes over budget model and obtained results applies on the occasion materialization construction .

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

Teaching method and overcoming materials : lectures , exercises .

WORK PLAN

Sunday :	*Name methodological lecture unit (P), exercises (V)*	
Preparatory Sunday		Introduction , preparation and enrollment semester .
And Sunday	***P/V***	Introduction to theory surface carrier ;
II	***P/V***	Plates ; basic concepts ; Intersections forces ;
III	***P/V***	Plates ; basic concepts ; Intersections forces ;
IV	***P/V***	Bending plate ;
V	***P/V***	Bending plate ;
VI	***P/V***	Rectangular plate freely supported by contour ;
VII	***P/V***	Rectangular plate freely supported by contour ;
VIII	***P/V***	Circular plate ;
IX	***P/V***	Circular plate ;
X	***P/V***	Shells .
XI	***P/V***	Shells .
XII	***P/V***	Rectangular plate with different contour conditions ;
XIII	***P/V***	Circular plate ;
XIV	***P/V***	Budget plate by method final difference ;
XV	***P/V***	Plates strained in their flat ;
XVI	***P/V***	Final exam

Obligations student in progress classes : lectures , exercises .

Email consultations : Yes **.**

Load student

Sunday 8 credits x 40/30 = 10 hours 40 minutes Structure : – 2 hours lectures – 2 hours exercises 6 hours 40 minutes independent work, including consultations .	in the semester Total workload for the subject 8x30 = 240h Structure : **Teaching** and final exam : 10h40min x 16 weeks = 170h40min **Necessary preparations** before beginning semester (administration , enrollment , certification): 10h40minx2=21h20min **Additional** preparation **work** and laying remedial exam time : 0-48h

Literature :

Nikola Hajdin, Theory surface carrier .

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***