Course Name: DE	SIGN AND CONSTRUC	TION OF STE	EL STRUCTURES	1					
Course Code	Course Status	Semester	ECTS Credits	Number of classes					
	Compulsory	I	5	2P+1V+1L					
Study programmes:	Postgraduate master acade 4 semesters / 120 ECTS c		y programme Civil Engineering -	- Structures;					
			Steel Structures I & II from under	graduate studies.					
Aims of the course:	- 0 0	<b>v</b>							
apply them rationally in app	ropriate domains. 2. Elaborate o	conceptual design ·	<ol> <li>Know basic structural systems         <ul> <li>arrangement of structural elements</li> <li>strial halls and steel buildings.</li> </ul> </li> </ol>	ents – of steel industrial					
Teacher and assistant:	Assoc.Prof. Duško Lučić, Mladen Muhadinović, MS	•	MSc – assistants						
Methods of teaching a	nd learning: Lectures, exer	cises, laboratory e	xercises, consultations, semeste	er project.					
Course content:									
			of structural design. Structural el						
			all, considering techno-technolog te dimensions of structural eleme						
	Loads – permanent and impose	0 11		enits					
IV teaching week	Loads – snow, temperature, crane loads.								
V teaching week	Loads – wind loads.								
	Roof and wall cladding. Stressed-skin method. Purlins.								
	Design of frame girders. Design of lattice girders.								
	Design of lattice girders.								
	General rules of multistorey buildings design.								
XI teaching week	Design of multistorey frames of large dimensions.								
	Basic elements of quality standards in steel structures construction (RL, CC, DSL, IL, EXC).								
	Assembly of structures.								
	In situ teaching – excursion to the construction site. Semester project presentation and defence.								
	Semester wrap-up and final preparation for the examination.								
Student's obligation	S: Attending of lectures and	exercises, elabora	ation of semester project.						
	STUD	ENTS LOAD							
_	.		<u>In semester</u>						
$\frac{\text{Per week}}{5 \text{ credits x } 40/30} = \frac{6.67 \text{ hours}}{100000000000000000000000000000000000$			exam: (6.67 hours) x 16 = <u>106.67 h</u> tions before semester (administrations) 3 33 hours						
			ourse: 5x30 =150 hours						
Structure: 2 hours lectures	、			onal exam session					
2 hours lectures 2 hours exercises 2.67 hours individual work, including consultations		Additional work for exam preparation in the additional exam session, including passing of correctional exam <u>between 0 and 30 hours</u> (remaining time from the previous issues to the final load for the course of 150 hours) Load structure:							
					Literature:		106.67 nours (teach	ing) + 13.33 hours (preparation) + 30	o nours (additional work)
					<ol> <li>Steel buildings for sections in ind 2. Steel buildings sections in indust 3. B. Zarić, B. Sti 4. D. Buđevac: Č 5. M. Debeljković</li> </ol>	dustrial halls and low rise buildi s in europe, Multi-Storey Steel B trial halls and low rise buildings panić, D. Buđevac: Čelične kon elične konstrukcije u zgradarstv	ngs (SEČHALO) R uildings, Part 1 - 1( (SECHALO) RFS2 strukcije u građevir u, Građevinska knj jskim objektima, G	11, European project "Facilitatir FS2-CT-2008-0030", Internet pu 0, European project "Facilitating t -CT-2008-0030", Internet publica aarstvu, Građevinska knjiga, Beo iga, Beograd, 1992. rađevinska knjiga, Beograd, 1995	blication. he market development for tion. grad, 1989.
Following grading system	on and points is as follows: up to 30 points; up to 10 points; up to 60 points. ct is in oral form. Tests and fina	3 for 80 ≤ points <	90, C for $70 \le \text{points} < 80$ , D for	or 60 ≤ points < 70, E for 5					
Maximum number of points The structure of examinatio - semester project: - final exam: Defence of semester project Following grading system ≤ points < 60, F for < 50 p Special notes for the	on and points is as follows: up to 30 points; up to 10 points; up to 60 points. ct is in oral form. Tests and fina is applied: A for ≥ 90 points, E points. Positive grade is obtain COURSE:	3 for 80 ≤ points < ed for min 50 poin	90, C for $70 \le \text{points} < 80$ , D for	or 60 ≤ points < 70, E for 5					
Maximum number of points The structure of examinatic - semester project: - tests: - final exam: Defence of semester project Following grading system ≤ points < 60, F for < 50 p Special notes for the Data prepared by teach	on and points is as follows: up to 30 points; up to 10 points; up to 60 points. ct is in oral form. Tests and fina is applied: A for ≥ 90 points, E points. Positive grade is obtain COURSE: ner: Prof. Duško Lučić, Dr-I	3 for 80 ≤ points < ed for min 50 poin ng.	90, C for $70 \le \text{points} < 80$ , D for						