Subject Title: Bridges

Basic data of the course	
Academic unit	Faculty of civil engineering
headline:	Bridges
Level:	Master
status	0
Year of study	Year (I), semester II ()
Number of hours by week	3+0
Value of credit – ECTS:	6
time / location:	According schedule
professor:	Prof.asoc.Dr. Cene Krasniqi
Contact details:	e-mail: cene.krasniqi@uni-pr.edu
Course description	The subject Bridges includes knowledge from the history of bridges, (up to modern bridges) their types and characteristics Descriptions of visibility as well as the choice of position, system and shape of the bridge depending on the obstacle and other circumstances. The design stages of a bridge will
	be described as well as the parameters that determine the optimal solutions. In the following we will introduce the elements of the provision, with special emphasis on the types of structures above whether of BA, steel, prestressed concrete or mix and under the structure. The main elements of bridge will be interpreted and evaluated. Finally, arch and suspension bridges as well as some bridge construction technologies will be described.
Purpose of course:	Course objectives: General knowledge on bridges from the beginning as well as those of modern times. To create knowledge on the circumstances and conditions of construction of these facilities in us, in the region and in the world. Familiarity with the systems and forms of bridges, their main characteristics. Also to know the role and function of the main elements of the bridge, under the structure and above the structure.
Expected results of learning	After completion of this course students must have the skills to: 1. Be able to know the types of certain bridges, time and technology of construction, materials used, static systems, as well as their cross sections 2. Understand the design stages and their content 3 To inform the circumstances and conditions-restrictions which affect the acquisition of a type of bridge.

	1		
	4. Understand static	bridge systems and	the cases when they
	are applied		
	5. Understand the i	main elements of the	bridge, their types
	and function.		
		mpanying elements o	of the bridge
			_
		mbinations of loads-	actions to apply to
	certain bridge cases.		
	8. For the given task	x - the obstacle of a b	ridge to identify the
	challenges as well a	s to propose their idea	a for solutions.
Contribution of student assignment	ent (should correspor	nd with results of lea	rning of students)
Activity	hour	Day/week	total
lecture	3	15	45
Theorical/laboratory exercise			0
Practical work			0
Contact with professor / consult	2	5	10
Exercise in site	5	1	5
Colloquium, seminar	5	2	10
homework	5	2	10
Student independent study time (in	1	15	15
library or at home)	1	15	15
Final preparation for exam	15	1	15
Time for evaluation (test, quiz, final	10	2	20
exam)	10	2	20
Projects, presentation, etc	10	2	20
Total			150
	1		
Methodology of teaching:	-	ns and discussions withi	in hours, field visits os
	bridges and group se		
Evaluation method:	Evaluating of engag		
	Regular attendance		
	Participation in site		
	Participation in cons	sultations - conversat	ion 15%
	Colloquia (or semina	ar work) 2 * 10%	
	Final exam (written	test) 50%	
	Total 100%Total 10	0%	
Literature			
Basic bibliography:	1 Cene Krasniqi/Ali	Muriciligjerata te aut	orizuara
	2.A.Vokshi, A. Mui	riqiKonstruksionet	e urave metalike
	(dispense)		
	3 Shaban Perjuci	Urat e Betonit (dis	pence)
Extra bibliography:	1Bridge Engineeri	ngHandbook	
	2.B.Çeku,P. Çerep	oi,E.Gjadri Ura dhe	e tunele
	3. Jure Radic -Mas	sivnimostovi	
	4.Christian MennS	Shtahlbeton-brucker	١
	.B.Stipanic, D.Bud	levacČeliČniMost	ovi.Wai-
	FahChen,Lian Dua		
	5.Sukhen Chatterj	eeThe Designof M	Modern
<u> </u>			·

SteelBridges 6.Drago HorvatićSpregnutekonstrukcije- Čelik Beton
6.Eurocode

Designed plan of teaching:		
week	Lecture will be complete according to the scheme	
Week 1	Importance of bridges, description of historical development, and classification of bridges	
Week 2	Bridge visibility, types of obstacles and bridge traffic - function	
Week 3	Key elements of bridges - depending on the system	
Week 4	Cross sections of reinforced concrete bridges	
Week 5	Under the bridge structure,	
Week 6	Arched bridges and suspension bridges - their bases	
Week 7	Elements of the general provision of the bridge	
Week 8	Loads on the bridge	
Week 9	Traffic layer and layer beams	
Week 10	Steel Plate Tiles (Orthotropic Tiles)	
Week 11	Main beams of bridges	
Week 12	Mixed Constructions	
Week 13	Bridge supports - construction technologies	
Week 14	Assignment control - presentation of student variants	
Week 15	Site visit to some characteristic bridges in Kosovo	

Academic Policy and discipline rules:

Regular attendance of lectures, coming on time and keeping calm in the lesson. Open discussion on the subject, free expression of personal opinions on solutions as well as acceptance of other opinions. Use of electronic devices only if they are in the service of the subject, etc.)