				Study cycle First study cycle			udy cycle						
Study program				Orientation Regional and Spa			atial Planning						
SUBJECT													
Subject name Clime and water in regional and spatial plans													
Subject code Semester				Subject status ECTS				credits Contact hours					
RPP- 406-2			VII	mandatory 5				125					
Prerequisites													
Assigned Suprofessors and assistants		Subject Leader Dr. Sc. Nusret Drešković, full professor					r						
		Teach	ning Assists	ants	MA Amina Sivac seni								
		The main objectives are:											
- E re - E re Subject		- Exploring and acquiring knowledge about the application of climatic resources in regional and spatial plans:											
		- Exploring and acquiring knowledge about the application of the water resources in the											
		regional and spatial plans;											
		- Exploring and acquiring knowledge about the content and structure of sets of thematic climatic and hydrological maps for the purposes of identification and evaluation of hydro-											
objec	ctives	climatic potential in the regional and spatial plans;											
		- Explo	oring and ac	nd acquiring knowledge about the application of modern GIS models and fremote sensing in the evaluation of hydro-climatic potential in regional and									
		spatial	plans;			l of Hydro	o onnatio p	otornia	integic		ŭ		
		- Explo	oring and ac	cquirir al pla	ng knowledge about wat ns in Bosnia and Herze	ter and c govina	limate reso	ources f	or the p	ourpose	e of		
	<b> </b>	<u>i egien</u>			SUBJECT CONTEN	T							
										Contact hours			
#	Teaching units							L	Р	S	С		
1.	Hydro-clin	natic ba	asis of regio	onal and spatial plans. Methodological concept			2	1	1				
	of identification and evaluation of basic hydro-climatic parameters in spatial plans of different levels of regional and spatial planning.												
2.	The main climatic elements and their application in spatial plans of different levels of regional and spatial planning. Solar radiation and							2	3	2	1		
	spatial pla	ot suns ans. Ap	shine - ev plication of	aluati f anni	on and implementation	n in reg I maps i	n regional						
	and spati	ial pla	ns. Practic	al ar	nalytical work of stud	ents <sup>'</sup> on	selected						
	examples	•											
3.	Valorisatio	on of a	ir temperat	in regional and spatial	spatial plans. Application			3	2	1			
	of annual and seasonal maps of isotherms in regional and spatial plans. Practical analytical work of students on selected examples.												
4.	4. Valorisation of humidity and cloudiness in regional and spatial planning. 2							2	1				
	Application of annual and seasonal isohygro and isoneph maps - in regional and spatial plans. Practical analytical work of students on												
	selected e	example	es.										
5.	Valorisation of precipitation in regional and spatial planning. Application								3	2	1		
	of annual Practical	l and analytic	seasonal i	sohye	et maps in regional a	ind spat	tial plans.						
	wind in re	gional	and spatia	l plan	s. Application of annua	al seaso	n maps of						
	wind speed and direction in regional and spatial plans. Practical analytical work of students on selected examples.												
6.	Weather o	disaster	rs in reaion	al and	d spatial plans. Applica	tial plans. Application of annual and				1	1		
	seasonal	maps	of weath	er dis	sasters in regional a	nd spat	ial plans.						
	climate f	Practical analytical work of students on selected examples. Valorisation of climate types in regional and spatial plans. Development and											
	implementation of climate types maps in regional and spatial plans.												
	Practical analytical work of students on selected examples.												
7.	The first test 2												
										1			

8.	The Basics of i water managem	ntegra ient. Si	ted water resources ustainable use of wat	igem	ent. Legal issue	s in	2	1	2		
9.	Water supply in Water supply of of different leve	n regio of the p els of p	onal and spatial plan oopulation and econc lanning.	ent levels of plational and spatia	nning. I plans	2	2	2	1		
10.	Valorisation of maps of strean analytical work	water ns and of stud	courses in regional a river profiles in regi dents at selected exa	spatial plans. Application of and spatial plans. Practical es.			2	3	1	1	
11.	Valorisation of lakes in regior on selected exa	lakes nal and amples	in regional and spati I spatial plans. Prac s.	ans. Application of maps of analytical work of students			2	2	1	1	
12.	River sources planiranju. App Practical analy	<ul> <li>va</li> <li>v</li></ul>	lorisation and appl n of maps of source ork of students on se	n in regional and spatial regional and spatial degional and spatial plans. d examples.			2	2	1	1	
13.	Defining and valorisation of water protection zero plans. Implementation of measures to protect regional and spatial plans. Practical analytic selected examples.					in regional and er protection zo work of studer	2	3	2	1	
14.	Waste water sewage.	in reg	ional and spatial p	. Surveying and mapping			2	2		1	
15.	Measures to p of wastewater students on sel	equa Prac	te economic bra tical analytical v	anches vork of	2	1	2				
			STUDENT V	VOR	(LO	AD (HOURS)		1		ı	
Contact	Hours (L+P)	60	Practical work	15	S	eminars	20	Exam s	study tim	ne	10
Literatu	Literature – reading 10 Written papers					ther (state)	TOTAL			125	
LITERATURE					EVALUATION OF KNOWLEDGE AND CRITERIA						
	LITI	ERATI	JRE			EVALUATION O	F KNO	WLEDG	E AND C	RITER	Α
Require	<b>LIT</b> I d	ERATI	JRE			EVALUATION O	F KNO	WLEDG Maxi	E AND C	Minii	A mum
Require 1. Had	<b>LIT</b> I d džić, E. (2013):	<b>ERATU</b> Osnov	JRE /e zaštite		1	EVALUATION O	F KNO	WLEDG Maxi Poi	E AND C mum ints	RITERI Minii poi	A mum nts
Require 1. Hac pod	LITI d džić, E. (2013): dzemnih voda u	Osnov granu	JRE ve zaštite larnim sredinama,		1.	EVALUATION O PARAMETE Attendance Participation or	F KNON	WLEDG Maxi Poi	E AND C mum ints 5	RITERI Minii poi	A mum nts 3
Require 1. Hac pod Gra Sar	LITI d džić, E. (2013): lzemnih voda u ađevinski fakulte ajevu, Sarajevo	Osnov granu et Univ	JRE ve zaštite larnim sredinama, verziteta u		1.	EVALUATION O PARAMETE Attendance Participation or lectures	F KNO RS	WLEDG Maxi Poi	E AND C mum ints 5	RITERI Minii poi	A mum nts 3
Require 1. Hac pod Gra Sar 2. Vuč	LITI d džić, E. (2013): lzemnih voda u ađevinski fakulte rajevu, Sarajevo šijak B. i sar. (20 sove integralnog	Osnov granu et Univ o. 11): Vo	JRE ve zaštite larnim sredinama, verziteta u oda za život: iana vodnim		1. 2. 3.	EVALUATION O PARAMETE Attendance Participation or lectures Midterm exams	F KNON RS N	WLEDG Maxi Poi	E AND C mum 5 5 6	RITERI Miniu poi	A mum nts 3
Require 1. Hac pod Gra Sar 2. Vuč Osr resu	LITI d džić, E. (2013): dzemnih voda u ađevinski fakulte rajevu, Sarajevo čijak B. i sar. (20 nove integralnog ursima, UNDP, S	Osnov granu et Univ o. 11): Vc upravl Sarajev	JRE ve zaštite larnim sredinama, verziteta u oda za život: janja vodnim o		1. 2. 3. 4. 5.	EVALUATION O PARAMETE Attendance Participation or lectures Midterm exams Seminar Students project	F KNOV RS	WLEDG Maxi Poi	E AND C mum 5 5 6 6 0	RITERI Minii poi	A mum nts 3 3 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Require 1. Hac pod Gra Sar 2. Vuč Osr resu 3. Đor	LITI d džić, E. (2013): dzemnih voda u ađevinski fakulte ajevu, Sarajevo ćijak B. i sar. (20 nove integralnog ursima, UNDP, S dević, J. (2004.): porafskih faktora	Osnov granu et Univo. 11): Vc upravl Sarajev : Tipolo	JRE ve zaštite larnim sredinama, verziteta u oda za život: janja vodnim o ogija fizičko- pornom planiranju		1. 2. 3. 4. 5. 6.	EVALUATION O PARAMETE Attendance Participation or lectures Midterm exams Seminar Students project	r KNOV RS	WLEDG Maxi Poi	E AND C mum 5 5 6 6 0 0	RITERI Miniu poi ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	A mum nts 3 3 2 5 5 1
Require 1. Hac pod Gra Sar 2. Vuč Osr resu 3. Đor geo Bec	LITI d džić, E. (2013): dzemnih voda u ađevinski fakulte rajevu, Sarajevo čijak B. i sar. (20 nove integralnog ursima, UNDP, S rđević, J. (2004.): ografskih faktora ograd.	Osnov granu et Univo 11): Vc upravl Sarajev : Tipolo u prost	JRE ve zaštite larnim sredinama, verziteta u oda za život: janja vodnim o ogija fizičko- cornom planiranju.		1. 2. 3. 4. 5. 6.	EVALUATION O PARAMETE Attendance Participation or lectures Midterm exams Seminar Students project Final exam Total	F KNO	WLEDGI Maxi Poi t t t t t t t t t t t t t t t t t t t	E AND C mum 5 5 6 6 0 0 0 0	RITERI Minii poi 2 2 6 2 5	A mum nts 3 3 2 2 5 1 5
Require 1. Hac pod Gra Sar 2. Vuč Osr resu 3. Đor geo Bec	LITI d džić, E. (2013): dzemnih voda u ađevinski fakulte rajevu, Sarajevo šijak B. i sar. (20 nove integralnog ursima, UNDP, S dević, J. (2004.): ografskih faktora ograd. mended	Osnov granu et Univ ). 11): Vc upravl Sarajev : Tipolo u prost	JRE ve zaštite larnim sredinama, verziteta u oda za život: janja vodnim o ogija fizičko- cornom planiranju.		1. 2. 3. 4. 5. 6.	EVALUATION O PARAMETE Attendance Participation or lectures Midterm exams Seminar Students project Final exam Total	F KNON RS 1 S	WLEDGI Maxi Poi s s s s 4 1 4 1	E AND C mum 55 56 60 00 00	RITERI Miniu poi 3 3 2 4 2 5	A mum nts 3 3 2 2 5 1 5
Require 1. Hac pod Gra Sar 2. Vuč Osr resu 3. Đor geo Bec Recomn 1. Gru Fec peri IPS Mos 2. Gru Srp 3. Gru Nac BiH	LITI d džić, E. (2013): dzemnih voda u ađevinski fakulte ajevu, Sarajevo čijak B. i sar. (20 nove integralnog ursima, UNDP, S đević, J. (2004.): ografskih faktora ograd. mended upa autora (2012 deracije Bosne i H iod: 2008. – 2028 SA Sarajevo i Eko star. upa autora (2008) ske do 2015. Ba upa autora (2012 cionalnog parka l	Osnov granu et Univo 11): Vo upravl Sarajev : Tipolo u prost Herceg 8. Urba oplan M ): Pros nja Lul .): Pros Una. Lul	JRE //e zaštite larnim sredinama, //erziteta u oda za život: janja vodnim o ogija fizičko- cornom planiranju. storni plan lovine – planski anistički zavod BiH, /lostar. Sarajevo - torni plan Republike ka. storni plan Jrbanistički zavod		1. 2. 3. 4. 5. 6.	EVALUATION O PARAMETE Attendance Participation or lectures Midterm exams Seminar Students project Final exam Total	r KNOV	WLEDGI Maxi Poi 4 4	E AND C mum 5 5 6 0 0 0 0 0 0 0	RITERI Miniu poi	A mum nts 3 3 2 5 5 5