NAME OF THE COU	IRSE	Human Evolution	1						
Code	PPB318		Year of study 3						
Course teacher	Professor Jasna Puizina, PhD		Credits (ECTS)	2					
Associate teachers			Type of instruction (number of hours)	L 15	S 15	Е	F		
Status of the course	Elective	е	Percentage of application of e-learning	10%					
COURSE DESCRIPTION									
Course objectives	To acquire knowledge about the origin and the laws of development of modern man and his ancestors.								
Course enrolment requirements and entry competences required for the course	None.								
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	Student will be able to: 1. Explain the importance of geological and climatic changes in the evolution of primates and humans 2. Argue the usefulness of radiometric methods for our understanding of human evolution 3. Describe trends in the evolution of primates and argue the importance of studying primates in order to understand modern people 4. Describe the anatomical evidence of evolution and adaptation of human skeleton for standing 5. Explain the significance of the fossil 'Ardi', 'Lucy', 'Turkana Boy', 'hobbits' and others 6. Describe the anatomical differences of members of the genus Homo from other hominids. 7. Explain why the hypothesis of a continued development of the brain hominids led to the evolution of modern humans 8. Explain the models 'replacement' and 'gradualism' as the two most common hypothesis for the spread of modern humans 9. Compare differences in the anatomical features of the Neanderthals and Cro-Magnon 10. Explain variations in people today and the application of molecular techniques in the analysis of these variations 11. Show evidence of a recent common ancestor of modern human populations. 12. Explain why chimps and humans look so different, and have very similar genetic material 13. Explain how evolutionary principles can be applied to understanding human behaviour.								
Course content broken down in detail by weekly class schedule (syllabus)	Lectures: / Exercises: 1. Evolution, genetics, behavior and ecology of primates and apes (2 hours) 2. The first anthropoids, first hominoids. (2 hours) 3. From hominoids to hominids and humans. (2 hours)								

	3. Application of molecular techniques in the study of human evolution. The								
	molecular clock, mtDNA and Y chromosome. (2 hours)								
	4. Comparison of the genome of Neanderthals and modern humans. (1 hour)								
	5. Genetic diversity of modern humans. (2 hours)								
	6. Evolution of skin pigmentation (1 hour)								
	7. Evolution of the human life cycle, human behaviour (2 hours)								
	8. Selection of partners and the basics of evolutionary psychology (2 hours)								
	⊠ lectures								
Format of	⊠ seminars an	t assignments							
	□ exercises	•	⋈ multimedia☐ laboratory						
instruction	☐ <i>on line</i> in en								
	⊠ partial e-lea	rning		□ work with n□ (other)	nentor				
	⊠ field work								
Student	Attending lectures (at least 80% of hours). Prepare seminar and present it in the								
responsibilities	class. Write an	•		, .	·				
Screening student work (name the proportion of ECTS	Class	0.5	Research		Practical traini	na			
	attendance 0,5		Research		Practical training				
	Experimental		Report		(Other)				
credits for each	work		Seminar						
activity so that the total number of ECTS credits is equal to the ECTS	Essay		essay	0,5	(Other)				
	Tests		Oral exam		(Other)				
value of the course)	Written exam	1,0	Project		(Other)				
	70% - written final exam at the end of lectures								
Grading and	70% - written fi	nal exam	at the end of	lectures					
evaluating student	70% - written fi 30% - seminar		at the end of	lectures					
evaluating student work in class and at			at the end of	lectures					
evaluating student			at the end of	lectures	Number of				
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Quality assurance	Estimates and student evaluation by anonymous poll at the end of the subject's
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ensure the	Split.
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Other (as the	
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