

## Detailed Course Syllabus

Academic Year 20			023. / 2024.		Semester			Winter	
Study Program	Underg Study	graduate University	Specia zatior Major	ali 1/ in <sup>Inco</sup>	For Stude	ent obility	Year of Study	1-3	
I. BASIC COURSE INFORMATION									
Name         EPIGENETICS IN PSYCHOLOGY									
Abbreviation IZBEPSIE		[4	Code 251849						
Status	Status Elective		ECTS			3			
Prerequis	ites								
Total Cou	rse Work	cload							
Teaching	Mode	Total I	Iours	Teachi	ng Mode			<b>Total Hours</b>	
Lectures		15	5	Seminars				15	
Class Tim	e and Pl	ace							
II. TEACHING STAFF Course Holder									
Name and Surname	Name and Surname Jasminka Štefulj								
Academic Degree		PhD		Profes Title	sional	Full P	rofessor		
Contact	E-mail	jasminka.stefulj@un	icath.hr	Telep	hone	+385 (1)	) 3706 635	5	
Office Hours									
Associate									
Name and Surname Maja Žutić									
Academic Degree		MSc		Profes Title	sional	Assist	ant		
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Office Hours									

## **III. DETAILED COURSE INFORMATION**

Teaching Lar	guage English
Course	<b>Course Objectives</b> : The course introduces students to the biological mechanisms by which experience influences behavior and to current scientific research in the field of behavioral epigenetics.
Description	<b>Course Content</b> : Psychology and biology – introductory lecture; Introduction to genetics - genotype, phenotype, environment; Foundations of modern genetics; Gene expression and regulation; The emergence of epigenetics; DNA methylation and other epigenetic mechanisms; Research methods in human behavioral

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To Be Passed Yes	Exclusively Continuous Assessment	No	Included in Average Grade	Yes	
Prerequisites to	Regular attendance of classes (at least 70% attendance);				
Obtain	Achievement of at least 35 points from teaching activities (two mid-				
Signature and	term exams and seminar);				
<b>Take Final Exam</b>	Fulfillment of seminar obligations.				
	Achieving points:				
	1. Teaching activities - 70% of the g	rade:			
Examination	1st colloquium - 25%				
wanner	2nd colloquium - 25%				
	seminar presentation - 20%				

	2. Final oral exam - 30% of the grade
Grading Manner	excellent (5) - 90 to 100% points very good (4) - 80 to 89.9% points good (3) - 65 to 79.9% points pass (2) - 50 to 64.9% points insufficient (1) - 0 to 49.9 % points
Detailed Overview of Grading within ECTS	3 ECTS
Midterm Exam Dates	Will be announced
Final Exam Dates	Will be announced

IV. WEEKLY CLASS SCHEDULE		
Lectures		
Week	Торіс	
1.	Psychology and biology – introductory lecture	
2.	Introduction to genetics - genotype, phenotype, environment	
3.	Foundations of modern genetics	
4.	Gene expression and regulation	
5.	The emergence of epigenetics	
6.	Mid-term exam 1	
7.	DNA methylation and other epigenetic mechanisms	
8.	Research methods in human behavioral epigenetics	
9.	Epigenetic reprogramming	
10.	Epigenetics and prenatal environment	
11.	Experience and epigenetics	
12.	Epigenetic mechanisms in health and disease	
13.	Transgenerational epigenetic inheritance	
14.	Mid-term exam 2	
15.	Epigenetics in psychology – implications and concluding remarks	
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## Seminars

Week	Topic
1.	Introduction to seminars
2.	Seminars related to the lecture topic
3.	Seminars related to the lecture topic
4.	Seminars related to the lecture topic
5.	Seminars related to the lecture topic
6.	Mid-term exam 1
7.	Seminars related to the lecture topic

8.	Seminars related to the lecture topic
9.	Seminars related to the lecture topic
10.	Seminars related to the lecture topic
11.	Seminars related to the lecture topic
12.	Seminars related to the lecture topic
13.	Seminars related to the lecture topic
14.	Mid-term exam 2
15.	Final discussion