SVEUČILIŠTE U MOSTARU FAKULTET PRIRODOSLOVNO-MATEMATIČKIH I ODGOJNIH ZNANOSTI ZNANSTVENO-NASTAVNO VIJEĆE Ur. broj: 04/I- 2493/24

Mostar, 5. 10.2024.

Na temelju čl. 60. Zakona o visokom obrazovanju u HNŽ-u, (Narodne novine HNŽ br. 4/2012), čl. 61. Statuta Sveučilišta u Mostaru (ur. broj: 01-1685/20 od 26.2.2020.) i odluke Senata ur. broj: 01-3486/23 od 21. lipnja 2023. godine Znanstveno-nastavno vijeće Fakulteta prirodoslovno-matematičkih i odgojnih znanosti Sveučilišta u Mostaru na 168. sjednici održanoj 3. listopada 2024. godine, donijelo je

O D L U K U

o usvajanju nastavnih programa za predmete koji se izvode na engleskom jeziku na Fakultetu prirodoslovno-matematičkih i odgojnih znanosti Sveučilišta u Mostaru u akademskoj 2024./2025. godini

I.

Usvajaju se izvedbeni nastavni programi za predmete koji se izvode na engleskom jeziku na Fakultetu prirodoslovno-matematičkih i odgojnih znanosti Sveučilišta u Mostaru u akademskoj 2024./2025. godini kako slijedi:

Tjelesna zdravstvena kultura 1, 2. Tjelesna zdravstvena kultura 2, 3. Tjelesna zdravstvena kultura 3, 4. Tjelesna zdravstvena kultura 4, 5. Klavir-obligatno 1, 6. Klavir-obligatno 2, 7. Glazbe svijeta 1, 8. Glazbe svijeta 2, 9. Praktikum iz analitičke kemije 1, 10. Praktikum iz organske kemije 1, 11. Praktikum iz analitičke kemije 2, 12. Praktikum iz organske kemije 2, 12. Viši praktikum iz analitičke kemije i 13. Glazbena kultura.

II.

Popis predmeta iz čl. I. čine sastavni dio ove Odluke.

III.

Odluka stupa na snagu danom donošenja

dekan

prof. dr. sc. Marin Ćorluka

Dostaviti:

- Uredu za međunarodnu suradnju
- službi za pravne i kadrovske poslove
- pismohrani

FPMOZ – AKADEMSKA 2024./2025. GODINE

Popis predmeta po studijskim programima koji se mogu izvoditi na engleskom jeziku:

	Sve studijske	grupe FPMOZ-a slušaju predmet	e	
	•	a i zdravstvena kultura 1-4		
Redni	Predmet na hrvatskom	Predmet na engleskom	Broj sati	ECTS
broj			p+v+s	
1	Tjelesna i zdravstvena kultura 1	Physical Education 1	0+30+0	1
2	Tjelesna i zdravstvena kultura 2	Physical Education 2	0+30+0	1
3	Tjelesna i zdravstvena kultura 3	Physical Education 3	0+30+0	1
4	Tjelesna i zdravstvena kultura 4	Physical Education 4	0+30+0	1
	(Preddiplomski) GLAZBENA	A PEDAGOGIJA - (Bachelor) MU	ISIC PEDAGOGY	
5	Klavir-obligatno 1	Piano-required 1	5+10+0	2
6	Klavir-obligatno 2	Piano-required 2	5+10+0	2
	(Diplomski) GLAZBENA	PEDAGOGIJA - (Master) MUSIC	PEDAGOGY	
7	Glazbe svijeta 1	World Music 1	30+15+0	2
8	Glazbe svijeta 2	World Music 2	30+15+0	2
	(Preddiplomski) KEMIJA – (Bachelor) CHEMIS	TRY	
9	Praktikum iz analitičke kemije 1	Analytical chemistry laboratory 1	0+60+0	3
10	Praktikum iz organske kemije 1	Organic chemistry laboratory 1	0+60+0	3
11	Praktikum iz analitičke kemije 2	Analytical chemistry laboratory 2	0+60+0	4
12	Praktikum iz organske kemije 2	Organic chemistry laboratory 2	0+60+0	4
	(Diplomski)	KEMIJA – (Master) CHEMISTRY	ľ	
13	Viši praktikum iz analitičke	Higher laboratory in	0+60+0	3
	kemije	analytical chemistry		
	,	NASTAVA - (Bachelor) CLASSR	ROOM TEACHIN	
14	Glazbena kultura	Music Culture	30+0+0	3

FPMOZ – CURRICULUMS (SYLLABUS)

All study groups of FPMOZ take subjects Physical and Health Culture 1-4

Study	FPMOZ							
programme		_	I					
Cycle	INTEGRATED	Туре	UNIVERSITY					
Study track		Module						
Year of study	1.	Semester	۱.					
Course title	PHYSICAL EDUCATION 1	Course code						
ECTS	1	Status	OBLIGATORY					
	Teaching hours		Lectures Exercises	Seminars	Practice			
			0 30	0	0			
Course objectives	 To expand the effects health ach To expand Train study exercise in 	udents' knowledg students' knowle s of these process ieved through kin students' knowle ents for independ everyday life.	ourse is: ge about the impact of kinesiology a edge about the general process of ex- ses on the human body with special nesiology processes. edge about ways to solve problems r dent work and expand students' kno	ercise as well as the reference to the pre- elated to exercise pr wledge about the im Course learning	consequences of servation of ocesses. portance of LO code at the			
Course learning outcomes	Student:			outcome code	study program level			
-			rticular kinesiological activity.					
	Independently analyzes and becomes aware of the importance of							
_	exercise in everyda							
		•	ance of daily exercise in order to					
-	preserve health ar							
	It creates an active free time).	e break (an active	e break between studying and during	5				
	It presents toleran	ce, work habits a	nd self-discipline.					
Prerequisites for the course enrolment	In accordance with	n the Rulebook or	n the Integrated Studies at the Schoo	ol of Medicine Unive	rsity of Mostar			
	Week / shift	Торіс						
Course content	1.	Introduc	ctory meeting and familiarization of	students with obliga	tions			
	2.	Structur	e of the Physical Education class					
	3.	General	preparatory exercises and their app	lication				
	4.	Football	- structure of football training (cont	ent and organizatior	n)			
	5.	Football – a modified form of indoor and outdoor football						
	6.	Handball - basics of handball game and improvement of new elements						
	7.	Volleyball - the basics of the volleyball game and improvement of volleyball						
		training	structures					
	8. Volleyball - service, service reception, lifting, throwing, block and defense in the field							

	9.			Basketb	all - structure	of basketball tr	aining (content a	and org	anizat	ion)			
	10).		Basketb	all – a modifie	d mode of bas	ketball			-			
	1:	1.		Tennis -	- forehand sho	t under the ha	nd, forehand sho	ot above	e the l	head			
	12	2.					and movements						
				back an	d forth								
	13	3.		Walking	g tour - organiz	ation of excurs	ions in nature						
	14				•		eral preparatory		es				
	15			Repetit	ion of the lear	ned content as	chosen by the st	udent					
Language		nglish											
E-learning	Su			•	-	es via the platfo	rm: Google mee	et or Zoo	om.				
Teaching methods		- p - in	 teaching methods - presentation practical methods (exercises in the hall, exercises in nature or outdoors, exercises in the pool) interactive methods (conversation and agreement about the class and exercises, dialogue, communication about the course and mutual, creative ideas about the contents of the exercises) Types of assessment (indicate - Bold) 										
	•			Types of	f assessment (i	indicate - Bold)	1			· ·			
		Туре	of pre-ex	amination oblig	ation			Type of	f exan	า			
midterm	semina paper	r essay	//report	practical/pr	roject task	other	written exam	oral e	xam	practical			
				Allocation of I	ECTS credits ar	d share in the	grade	1					
Studen	t obligatio	ons	Learn	ing outcome code	Hours of	workload	Share in EC	TS	S	hare in grade			
Attend	ling class	es	IU-N	IFMSE202-1	25 0.5			100 %					
	C		IU-N	IFMSE202-2									
			IU-N	IFMSE202-3									
			IU-N	IFMSE202-4									
				IFMSE202-5									
		In tot	al			25	0.5			100 %			
						the final grade							
Attending	classes ar	nd prepa	aring for t	he practical ass	ignment/exan	n:							
	egular arr	ivals = 0	% grade	t exercises = 100	0% descriptive	grade							
Exceptiona required to	•			xempted from e	exercises due	to health or sp	orts (top athlete	es) exer	nptio	ns, students are			
	e paper is	not wri	tten = 0% s the forr	•	criteria and is	grammatically	and spelling corr	rect = 10	00% g	rade			
According	o the Stu	dy Dogu	lations t	ho final grado ic									

According to the Study Regulations, the final grade is obtained as follows:

0 – 54% insufficient (1)

55 – 66% sufficient (2)

67 – 78% good (3)

79 – 90% very good (4)

91 – 100% excellent (5)

An exception is the subject of Physical Education, where a descriptive grade of "passed" is included in accordance with regular attendance at exercises.

Literature	Title	Edition	Language	Type of literature
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(indicate)	(title, author, year)	own	other	croatian	english	other	multilingual	book	article	script	other
Compulsory	Primjena opće		X	X	0.18.1011			X		00.100	
,	pripremnih vježbi,										
	Kvesić I., Brekalo M.,										
	Lovrić F., 2023.										
	Educating the		Х		Х			Х			
	Student Body :										
	Taking Physical										
	Activity and Physical										
	Education to School,										
	Harold W. Kohl III										
	and Heather D.										
	Cook, 2013.										
Additional											
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	oted students are requ	-					a request to th	le cours	emstruc	ισι.	
Study	FPMOZ										
programme											
Cycle	INTEGRATED	Туре		UNIVERSI		MIC					
Study track		Module	2	ONIVENSI	I I// C/ DL	iviic					
Year of study	1.	Semest		11.							
Course title	PHYSICAL	Course									
	EDUCATION 2										
	4	Status		OBLIGATO	DV						
ECTS	1	Status		ODLIG/110	זאי						
ECTS	Teaching hours	Status		Lect		-	Tutorials	Sem	ninars	Practi	ce
ECTS		Status			ures	-	Tutorials 30		ninars 0	Practi 0	се
Course	Teaching hours	sical Ed		Lecti C course is:	ures)		30		0	0	ce
	Teaching hours The aim of the Phy - Expand stu	sical Ed Idents' l	nowled	Lecti C course is: ge about t	ures) ne impact	of kines	30 siology activitie	es on th	0 e level of	0 health.	
Course	Teaching hours The aim of the Phy - Expand stu - To expand	sical Ed Idents' H student	knowled s' know	Lecti C course is: ge about t ledge abou	ures) ne impact t the gene	of kines eral proc	30 siology activitie cess of exercise	es on the	0 e level of l as the co	0 health. onsequer	nces
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	It prese	ents tolerand	ce, work habi	ts and self-discipl	ine.					
Prerequisites	In acco	rdance with	the Ruleboo	k on the Integrate	ed Studies at th	e School of Me	dicine U	Inivers	sity of Mostar	
for the course										
enrolment										
	Week /	shift	Торіс	:						
Course content	1.		Intro	ductory lecture a	nd familiarizati	on of students v	vith obl	igatio	ns	
	2.		Struc	ture of the Physic	cal Education c	lass				
	3.		Gene	eral preparatory e	xercises and th	eir application				
	4.		Foot	ball – futsal 4+1						
	5.		Socc	er – small soccer !	5+1					
	6.		Hand	lball - jump shot,	play in defense	e, play in attack				
	7.		Volle	yball – organizati	on of the game	2				
	8.		Volle	yball - game						
	9.		Bask	etball – basketbal	l 3 vs 3					
	10. Basketball - game									
	11. Tennis – organization of the game in pairs									
	12.	12. Tennis – 1 on 1 game								
	13.		Walk	ing tour - organiz	ation of outdo	or excursions				
	14.		Repe	tition and improv	vement of gene	eral preparatory	exercise	es		
	15.		Repe	petition of the learned content as chosen by the students						
Language	English									
E-learning	Sumar	um, The pos	sibility of esta	of establishing online classes via the platform: Google meet or Zoom.						
Teaching	-	teaching m	nethods (lectu	ure, lecture and p	resentation)					
methods	-	practical m	ethods (exer	cises in the hall, e	xercises in nat	ure or outdoors,	exercis	es in t	the pool)	
	-	interactive	methods (conversation and	l agreement a	about the clas	s and	exerci	ises, dialogue,	
		communic	ation about t	he course and mu	itual, creative i	deas about the	content	s of th	ne exercises)	
			Types	of assessment (in	ndicate - Bold)					
		pe of pre-ex	amination ol	<u> </u>	-		Type of	exam		
	ninar es per	say/report	practica	/project task	other	written exam	oral e	exam	practical	
	• **		Allocation	of ECTS credits an	d share in the a	grade				
Student oblig	ations	Learnir	ng outcome	Hours of v		Share in EC	CTS	Sh	nare in grade	
	,		code						0	
Attending c	asses	LO-MFMS		2	5	0.5			100 %	
	-	1,2,3,4,5								
	In t	otal		2	5	0.5			100 %	
			Meth	od of calculating t	the final grade					
Attending class	es and pr	eparing for	the practical	assignment/exar	n:					

Class attendance and class activities:

- irregular arrivals = 0% grade
- more than 80% attendance at exercises = 100% descriptive grade

Exceptionally for students who are exempted from exercises due to health or sports (top athletes) exemptions, students are required to write a seminar paper.

Writing a seminar paper:

- the paper is not written = 0% grade.
- The work fully meets the formal and content criteria and is grammatically and spelling correct = 100% grade

According to the Study Regulations, the final grade is obtained as follows:

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55 – 66% sufficient (2)

67 – 78% good (3)

79 - 90% very good (4)

91 - 100% excellent (5)

An exception is the subject of Physical Education, where a descriptive grade of "done" is included in accordance with regular attendance at exercises.

Literature	Title	Edi	ition		Lan	guage		Type of literature			
(indicate)	(title, author, year)	own	other	croatian	english	other	multilingual	book	article	script	other
Compulsory	Primjena opće pripremnih vježbi, Kvesić I., Brekalo M., Lovrić F., 2023.										
	Metodika tjelesne i zdravstvene kulture, Kvesić, M., Mostar, 2008.	Х		Х				Х			
	Tjelesno vježbanje i zdravlje, Marjeta Mišigoj-Duraković I suradnici, Školska knjiga, Zagreb, 2018.		Х	X	Х			Х			
	Metodika tjelesne i zdravstvene kulture, Kvesić, M., Mostar, 2013.	X		Х						х	
Additional	Programiranje u tjelesnoj i zdravstvenoj kulturi, Findak, V., Zagreb, 1997.		Х	X				х			
	Sat tjelesne i zdravstvene kulture u primarnoj edukaciji, Findak, V., I. Prskalo, J. Babin, Učiteljski fakultet Sveučilišta u Zagrebu, Zagreb, 2011.		Х	X	Х						x

The student is obliged to regularly attend exercises from the course.

The condition for entering the final descriptive grade is met with the attendance of at least 80% of the classes held. _

Exceptional efforts at exercises will be rewarded with additional (accumulation) pluses. The maximum number of accumulation points is 2 plus in the record.

Unexcused absences must be justified with our student doctor and with a request to the course instructor.

Part-time students are required to write a seminar paper _

Study	FPMOZ									
programme										
Cycle	INTEGRATED	Туре	UNIVERSITY							
Study track		Module								
Year of study	2.	Semester	111.							
Course title	PHYSICAL EDUCATION 3	Course code								
ECTS	1	Status	OBLIGATORY							
	Teaching hours		Lectures Ex	ercises	Seminars	Practice				
			0	30	0	0				
Course objectives Course learning outcomes	 To expand the effect health ac To expand To expand Train stud exercise i Learning outcome Student: Applies warm-up Independently a exercise in everyor	tudents' knowled d students' know ts of these proce hieved through k d students' know dents for indeper n everyday life. e (LO) exercises for a p nalyzes and bed day life.	articular kinesiological activity.	ss of exerce opecial refe olems rela ts' knowle	tise as well as the erence to the pres ted to exercise pr	consequences of servation of ocesses.				
Prerequisites for the course enrolment	preserve health a It creates an activ free time). It presents tolera	nd improve the over t	rtance of daily exercise in or quality of life. ve break between studying and and self-discipline. on the Integrated Studies at the	l during	f Medicine Unive	rsity of Mostar				
emonnent	Week / shift	Торіс								
Course content	1.		uctory meeting and familiarizat	ion of stu	dents with obligat	tions				
	2.		are of the Physical Education cla							
	3.		al preparatory exercises and the		tion					
	4.		III - structure of football training			ı)				
	5.		III – a modified form of indoor a	•		7				
	6.		all - basics of handball game ar			ments				
	7.		call - the basics of the volley	-						
			g structures	, buil Buill						
	8.		oall - service, service reception	n, lifting, t	hrowing, block ar	nd defense in the				
	9.	Basket	ball - structure of basketball tra	aining (cor	ntent and organiza	ation)				
	10.		ball – a modified mode of bask	_	<u> </u>	-				
	11.	Tennis – forehand shot under the hand, forehand shot above the head								
	12.		nnis - high serve and short serve and movements on the court in the direction in the direct							
		back a	nd forth							

15. Repetition of the learned content as chosen by the student Language English E-learning Sumarum, possibility of establishing online classes via the platform: Google meet or Zoom. Teaching - teaching methods - presentation methods - practical methods (exercises in the hall, exercises in nature or outdoors, exercises in the pool) - interactive methods (conversation and agreement about the class and exercises, dialogu communication about the course and mutual, creative ideas about the contents of the exercises) Type of pre-examination obligation Type of exam midterm seminar essay/report practical/project task other written exam oral exam practical Student obligations Learning outcome Hours of workload Share in ECTS Attending classes IU-MFMSE202-1 25 0.5 100 %		1	14.		Popotiti	on and improv	compant of going	val proparatory	ovorcicor	-				
Language English E-learning Sumarum, possibility of establishing online classes via the platform: Google meet or Zoom. Teaching - teaching methods - presentation methods - practical methods (exercises in the hall, exercises in nature or outdoors, exercises in the pool) - interactive methods (conversation and agreement about the class and exercises, dialogu communication about the course and mutual, creative ideas about the contents of the exercises) Types of assessment (indicate - Bold) Type of pre-examination obligation Type of exam midterm seminar paper practical/project task other written exam oral exam practical Allocation of ECTS credits and share in the grade Student obligations Learning outcome Hours of workload Share in ECTS Share in grade Attending classes IU-MFMSE202-1 25 0.5 100 %										5				
E-learningSumarum, possibility of establishing online classes via the platform: Google meet or Zoom.Teaching methods- teaching methods - presentation - practical methods (exercises in the hall, exercises in nature or outdoors, exercises in the pool) - interactive methods (conversation and agreement about the class and exercises, dialogu communication about the course and mutual, creative ideas about the contents of the exercises)Types of assessment (indicate - Bold)Type of pre-examination obligationType of exam oral exammidtermseminar paperessay/reportpractical/project taskotherwritten exam oral exampracticalAllocation of ECTS credits and share in the gradeStudent obligationsLearning outcome codeHours of workloadShare in ECTSShare in gradeAttending classesIU-MFMSE202-1250.5100 %					Repetiti	on of the learr	ned content as	chosen by the st	udent					
Teaching methods - teaching methods - presentation methods - practical methods (exercises in the hall, exercises in nature or outdoors, exercises in the pool) - interactive methods (conversation and agreement about the class and exercises, dialogu communication about the course and mutual, creative ideas about the contents of the exercises) Types of assessment (indicate - Bold) Type of pre-examination obligation Type of exam midterm seminar essay/report practical/project task other written exam oral exam practical Midternt seminar could be			0											
methods - practical methods (exercises in the hall, exercises in nature or outdoors, exercises in the pool) - interactive methods (conversation and agreement about the class and exercises, dialogu communication about the course and mutual, creative ideas about the contents of the exercises) - Type of pre-examination obligation Type of exam midterm seminar paper practical/project task other written exam oral exam practical Midternt seminar code - Allocation of ECTS credits and share in the grade Student obligations Learning outcome Hours of workload Share in ECTS Share in grade Attending classes IU-MFMSE202-1 25 0.5 100 %	E-learning	S	Sumarum	, possibili	ty of establishin	g online classe	s via the platfo	orm: Google mee	t or Zooi	m.				
 - interactive methods (conversation and agreement about the class and exercises, dialogu communication about the course and mutual, creative ideas about the contents of the exercises) - Type of pre-examination obligation - Type of exam - Practical/project task - Allocation of ECTS credits and share in the grade - Student obligations - Learning outcome - Hours of workload - Share in grade - Output - Out	Teaching		- te	aching m	ethods - present	tation								
communication about the course and mutual, creative ideas about the contents of the exercises) Type of pre-examination obligation midterm seminar essay/report practical/project task other written exam oral exam practical midterm seminar essay/report practical/project task other written exam oral exam practical Student obligations Learning outcome Hours of workload Share in ECTS Share in grade Attending classes IU-MFMSE202-1 25 0.5 100 %	methods		- pr	actical m	ethods (exercise	s in the hall, e	xercises in natu	ure or outdoors,	exercise	s in tl	ne pool)			
Types of assessment (indicate - Bold) Type of pre-examination obligation Type of exam midterm seminar paper essay/report practical/project task other written exam oral exam practical Midterm seminar colspan="4">Student obligations Learning outcome Hours of workload Share in ECTS Share in grade Attending classes IU-MFMSE202-1 25 0.5 100 %			- in	teractive	methods (con	versation and	d agreement	about the class	s and	exerc	ises, dialogue,			
Type of pre-examination obligationType of exammidtermseminar paperessay/reportpractical/project taskotherwritten examoral exampracticalAllocation of ECTS credits and share in the gradeStudent obligationsLearning outcome codeHours of workloadShare in ECTSShare in gradeAttending classesIU-MFMSE202-1250.5100 %			СС											
midterm seminar paper essay/report practical/project task other written exam oral exam practical Allocation of ECTS credits and share in the grade Allocation of ECTS credits and share in the grade Student obligations Learning outcome code Hours of workload Share in ECTS Share in grade Attending classes IU-MFMSE202-1 25 0.5 100 %														
midterm seminar paper essay/report practical/project task other written exam oral exam practical Allocation of ECTS credits and share in the grade Allocation of ECTS credits and share in the grade Student obligations Learning outcome code Hours of workload Share in ECTS Share in grade Attending classes IU-MFMSE202-1 25 0.5 100 %			Туре	of pre-ex	amination obliga	ation			Type of	exam				
paper Allocation of ECTS credits and share in the grade Student obligations Learning outcome code Attending classes IU-MFMSE202-1	midterm	semina					other	written exam						
Allocation of ECTS credits and share in the grade Student obligations Learning outcome code Hours of workload Share in ECTS Share in grade Attending classes IU-MFMSE202-1 25 0.5 100 %					1 71	5					•			
Student obligationsLearning outcome codeHours of workloadShare in ECTSShare in gradeAttending classesIU-MFMSE202-1250.5100 %					Allocation of E	CTS credits an	d share in the	grade		1				
codeAttending classesIU-MFMSE202-1250.5100 %	Studen	t obligati	ions	Learn				T		Sh	are in grade			
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						2	25	0.5			100 %			
IU-MFMSE202-2	-													
IU-MFMSE202-3	Attent													
IU-MFMSE202-4	Attend													
IU-MFMSE202-5	Attend			IU-N	IFMSE202-3									
In total 25 0.5 100 %	Attend			IU-N IU-N	IFMSE202-3 IFMSE202-4									
Method of calculating the final grade	Attend		In tot	IU-N IU-N IU-N	IFMSE202-3 IFMSE202-4		95	0.5			100 %			

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Literature	Title	Edi	tion		Lan	guage		Type of literature			
(indicate)	(title, author, year)	own	other	croatian	english	other	multilingual	book	article	script	other
Compulsory	Primjena opće pripremnih vježbi,		Х	Х				Х			
	Kvesić I., Brekalo M., Lovrić F., 2023.										

	Educating the		Х		Х			Х			
	Student Body :										
	Taking Physical										
	Activity and Physical										
	Education to School,										
	Harold W. Kohl III										
	and Heather D.										
	Cook, 2013.										
Additional	cook, 2013.										
Additional											
Additional cour	co information			l							
		ularlı (att	d	oreises fre	m the cou	F					
	dent is obliged to regu						dance of st	loost 900	/ of the	alaccas ha	اما
	ndition for entering the		-	-							
•	onal efforts at exercise			rded with a	idditional	(accumula	ation) pluses	s. The ma	iximum	number of	Ĩ
	ulation points is 2 plus										
	ised absences must be	-				nd with a	request to t	ne cours	e instruc	tor.	
· ·	ted students are requi	red to wi	ite a s	seminar pap	oer						
Study	FPMOZ										
programme											
Cycle	INTEGRATED	Туре		UNIVERSI	TY/ACADE	MIC					
Study track		Module									
Year of study	2.	Semeste	r	IV.							
Course title	PHYSICAL	Course c	ode								
	EDUCATION 4										
ECTS		Status		OBLIGATO	RY						
	Teaching hours			Lect		Ти	Itorials	Sem	inars	Practic	e
				(30)	0	
Course	The aim of the Phys	ical Educ	ation		·						
objectives					he imnact	of kinesic	ology activiti	es on the	e level of	- health	
objectives	- To expand s			-	•		•••				600
				-	-	•	th special re			•	
			•			I DOUY WIL	In special re	crence t	o the pro		01
			nugh k	inacialogy	nrococcoc						
	health achi	eved thro	•	• • •	•		blome rolate	d to over	cico pro	00000	
	health achie - To expand s	eved thro students'	know	ledge abou	It ways to	solve prol			•		:
	health achie - To expand s - Train stude	eved thro students' nts for in	know deper	ledge abou	It ways to	solve prol			•		C
	health achie - To expand s - Train studer exercise in e	eved thro students' nts for in everyday	know deper	ledge abou	It ways to	solve prol	ts' knowled	ge about	the imp	ortance of	
	health achie - To expand s - Train studer exercise in e Learning outcome (eved thro students' nts for in everyday	know deper	ledge abou	It ways to	solve prol	ts' knowled	ge about Course lea	the imp	ortance of	e at
	health achie - To expand s - Train studer exercise in e	eved thro students' nts for in everyday	know deper	ledge abou	It ways to	solve prol	ts' knowled	ge about	the imp	ortance of LO code the stu	e at Idy
learning	health achie - To expand s - Train studer exercise in e Learning outcome (eved thro students' nts for in everyday	know deper	ledge abou	It ways to	solve prol	ts' knowled	ge about Course lea	the imp	ortance of LO code the stu progra	e at Idy Im
learning	health achie - To expand s - Train studen exercise in a Learning outcome (Student:	eved thro students' nts for in everyday LO)	know deper life.	ledge abou ident work	it ways to and expa	solve prol nd studen	ts' knowled	ge about Course lea	the imp	ortance of LO code the stu	e at Idy Im
learning	health achie - To expand s - Train studen exercise in a Learning outcome (Student: Applies warm-up exercise	eved thro students' nts for in everyday LO)	know deper life. or a p	ledge abou ndent work	nt ways to and expa	solve prol nd studen al activity.	ts' knowled	ge about Course lea	the imp	ortance of LO code the stu progra	e at Idy Im
learning	health achie - To expand s - Train studen exercise in a Learning outcome (Student:	eved thro students' nts for in everyday LO)	know deper life. or a p	ledge abou ndent work	nt ways to and expa	solve prol nd studen al activity.	ts' knowled	ge about Course lea	the imp	ortance of LO code the stu progra	e at Idy am
learning	health achie - To expand s - Train studen exercise in a Learning outcome (Student: Applies warm-up exercise	eved thro students' nts for in everyday LO) <u>kercises f</u> lyzes an	know deper life. or a p	ledge abou ndent work	nt ways to and expa	solve prol nd studen al activity.	ts' knowled	ge about Course lea	the imp	ortance of LO code the stu progra	e at Idy am
learning	health achie - To expand s - Train studen exercise in a Learning outcome (Student: Applies warm-up ex- Independently ana	eved thro students' nts for in everyday LO) kercises f lyzes an y life.	know deper life. or a pa d bec	ledge abou ident work articular kir comes awa	nesiologica ne of the	solve prol nd studen al activity. e importa	ts' knowled	ge about Course lea	the imp	ortance of LO code the stu progra	e at Idy am
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learning	health achie - To expand s - Train studen exercise in o Learning outcome (Student: Applies warm-up ex- Independently ana exercise in everyday It assesses the ne preserve health and	eved thro students' nts for in everyday LO) xercises f lyzes an y life. ed and d improve	know deper life. or a pa d bed impor	articular kir comes awa tance of c quality of lit	nesiologica nesiologica ne of the daily exer fe.	solve prol nd studen al activity. e importa cise in o	ts' knowled	ge about Course lea	the imp	ortance of LO code the stu progra	e at Idy am
learning	Applies warm-up exercise in everyday It assesses the ne preserve health and It creates an active	eved thro students' nts for in everyday LO) xercises f lyzes an y life. ed and d improve	know deper life. or a pa d bed impor	articular kir comes awa tance of c quality of lit	nesiologica nesiologica ne of the daily exer fe.	solve prol nd studen al activity. e importa cise in o	ts' knowled	ge about Course lea	the imp	ortance of LO code the stu progra	e at Idy am
Course learning outcomes	 health achie To expand s Train studen exercise in a Learning outcome (Student: Applies warm-up explicit and exercise in everyday Independently and exercise in everyday It assesses the neighbors preserve health and it creates an active free time).	eved thro students' nts for in everyday LO) cercises f lyzes an y life. ed and d improve break (an	know deper life. or a pa d bed impor e the o n activ	articular kin comes awa tance of o quality of lin ve break be	nesiologica and expander nesiologica are of the daily exer fe. tween stu	solve prol nd studen al activity. e importa cise in o	ts' knowled	ge about Course lea	the imp	ortance of LO code the stu progra	e at Idy am
learning	Applies warm-up exercise in everyday It assesses the ne preserve health and It creates an active	eved thro students' nts for in everyday LO) cercises f lyzes an y life. ed and d improve break (an	know deper life. or a pa d bed impor e the o n activ	articular kin comes awa tance of o quality of lin ve break be	nesiologica and expander nesiologica are of the daily exer fe. tween stu	solve prol nd studen al activity. e importa cise in o	ts' knowled	ge about Course lea	the imp	ortance of LO code the stu progra	e at Idy Im
learning outcomes	 health achie To expand s Train studen exercise in exercise in exercise in exercise in exercise in exercise in exercise in everyday Independently ana exercise in everyday It assesses the neither preserve health and it creates an active free time). It presents tolerance 	eved thro students' nts for in everyday LO) cercises f lyzes an y life. ed and d improve break (an e, work h	know deper life. or a pa d bed impor e the o n activ	articular kin comes awa tance of o quality of lin e break be and self-dis	nesiologica and expander nesiologica are of the daily exer fe. tween stu	solve prol nd studen al activity. e importa cise in ou idying and	ts' knowled	ge about Course lea outcome	the imp arning code	ortance of LO code the stu progra level	e at Idy Im I
learning outcomes Prerequisites	 health achie To expand s Train studen exercise in a Learning outcome (Student: Applies warm-up explicit and exercise in everyday Independently and exercise in everyday It assesses the neighbors preserve health and it creates an active free time).	eved thro students' nts for in everyday LO) cercises f lyzes an y life. ed and d improve break (an e, work h	know deper life. or a pa d bed impor e the o n activ	articular kin comes awa tance of o quality of lin e break be and self-dis	nesiologica and expander nesiologica are of the daily exer fe. tween stu	solve prol nd studen al activity. e importa cise in ou idying and	ts' knowled	ge about Course lea outcome	the imp arning code	ortance of LO code the stu progra level	e at idy im l
learning	 health achie To expand s Train studen exercise in exercise in exercise in exercise in exercise in exercise in exercise in everyday Independently ana exercise in everyday It assesses the neither preserve health and it creates an active free time). It presents tolerance 	eved thro students' nts for in everyday LO) cercises f lyzes an y life. ed and d improve break (an e, work h	know deper life. or a pa d bed impor e the o n activ	articular kin comes awa tance of o quality of lin e break be and self-dis	nesiologica and expander nesiologica are of the daily exer fe. tween stu	solve prol nd studen al activity. e importa cise in ou idying and	ts' knowled	ge about Course lea outcome	the imp arning code	ortance of LO code the stu progra level	e at Idy Im I

		Week	[/] shift	Торіс								
Course cor	ntent	1.		Introdu	uctory lecture a	nd familiarizati	on of students w	ith oblig	gatior	าร		
		2.		Structu	ire of the Physic	al Education cl	lass					
		3.		Genera	al preparatory e	xercises and th	eir application					
		4.		Footba	ll – futsal 4+1							
		5.		Soccer	- small soccer 5	5+1						
		6.		Handb	all - jump shot,	play in defense	e, play in attack					
		7.		Volley	oall – organizatio	on of the game						
		8.		Volley	Volleyball - game							
		9.		Basket	Basketball – basketball 3 vs 3							
		10.		Basket	Basketball - game							
		11.		Tennis	 organization of 	of the game in	pairs					
		12.		Tennis	– 1 on 1 game							
		13.		Walkin	Walking tour - organization of outdoor excursions							
		14.		Repetit	Repetition and improvement of general preparatory exercises							
		15.		Repetit	Repetition of the learned content as chosen by the students							
Language		English										
E-learning		Sumar	um, The pos	sibility of estab	of establishing online classes via the platform: Google meet or Zoom.							
Teaching		-	teaching m	ethods (lecture	(lecture, lecture and presentation)							
methods		-	•	•	(exercises in the hall, exercises in nature or outdoors, exercises in the pool)							
		-		-		-	about the class			· · · ·		
			communica				deas about the c	ontents	of th	e exercises)		
					f assessment (ir	ndicate - Bold)	[
				amination obli	-			Type of e	1			
midterm	semir		say/report	practical/p	project task	other	written exam	oral ex	am	practical		
	рар	er										
			<u> </u>		ECTS credits and							
Student	obliga	tions		ig outcome	Hours of v	vorkload	Share in EC	TS	Sh	are in grade		
				code		_				100.0/		
Attend	ing clas	sses	LO-MFMS	E404-	25	D	0.5			100 %		
		ا م	1,2,3,4,5		25 0.5 100 %			100.0/				
		Int	total			-	0.5			100 %		
A 19	-		· ,		d of calculating t							

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Literature	Title	Fd	ition		Lan	guage			Type of I	iterature	2
(indicate)	(title, author, year)	own	other	croatian	english	other	multilingual	book	article	script	other
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	Tjelesno vježbanje i zdravlje, Marjeta Mišigoj-Duraković I suradnici, Školska knjiga, Zagreb, 2018.		X	X	Х			X			
	Metodika tjelesne i zdravstvene kulture, Kvesić, M., Mostar, 2013.	Х		X						х	
Additional	Programiranje u tjelesnoj i zdravstvenoj kulturi, Findak, V., Zagreb, 1997.		X	X				x			
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Additional co											

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- Part-time students are required to write a seminar paper

MUSIC PEDAGOGY – Undergraduate Study

Study		MUSIC PEDA	COCY	7								
programm	۵	MUSIC FEDA	GOGI									
Cycle	C	1.		Туре		University	,					
Study track	,	1.		Module		University	·					
Year of stud		1.		Semester	r	1.						
Course title		PIANO-			·	FPMOZGB1	105					
Course title	e	REQUIRED	1	Course code			105					
ECTS		2	1	Status		Obligatory	,					
ECIS		Teaching hour		Status		Lectur		Т	torials	Semin	arc	Practice
		leaching nour	5			5	es	Tu	10	0	ars	
Course		- expand know	wlodg	o with diff	foror		from th		_	_		0
objectives		- expand know	-					-			intor	nreting
Objectives		given works	wicug	c about ti		chilique of	playing	the pla		SKIII OI	me	preting
		•	ident t	to practice	ind	enendentlv	and m	aster tł	ne instrume	ent and	inter	nretation
			 train the student to practice independently, and master the instrument and interpretati Learning outcome Course learning outcome Learning outcome 									
Course lea	rning	0	-				code	0			0	gramme level
outcomes		He reads fron	n the s	sheet and	play	's the	IU-FPI	MOZGB	105-1	IU-FPN	NOZO	SPB-4
••••••		written sheet	musi	c correctly	/							
		He interprets	deco	rations in v	work	ks of	IU-FPMOZGB105-2			IU-FPN	NOZO	SPB-4
		different styli	ent stylistic eras									
	Leads voices in polyphonic wo				orks		IU-FPI	MOZGB	105-3	IU-FPN	NOZO	GPB-6
	Reproduces c	•		•		IU-FPI	MOZGB	105-4	IU-FPN	NOZO	GPB-4	
	with independence and indep				penc	dence in						
		playing left ar	nd rigł	nt hand								
Prerequisit												
for the cou												
enrolment												
		Week / shift			Тор							
Course con	ntent	115.					-		-			t's level of
						-			•			rature. Text
					•	-	-			-	-	logic of the
												one shaping
									ositions in	their e	nure	ty. Work on
		English Jangu	200		ton	e quality, to	ne sna	Jing.				
Language		English langu	age									
E-learning		/ Teaching mot	hode	(lecture ~	roco	ntation da	monstr	ation				
Teaching methods		Teaching met	nous	(iecture, p	nese	intation, del	nonstra	30011)				
methous				Types	ofac	sessment (i	ndicato	1				
		Type of pre	-evar			-	nuicate	.)		Type of	feve	m
midterm	semi					project task		ther	written	or		practical
midterm seminar essay/report practical/p			nojeci lask		uici	exam	exa		practical			
	pap		Alloca	l ation of FC	`TS c	redits and s	hare in	the gra	1	EXC		
Stude	ent obl	igations		Learning	150	Hours c			Share in	FCTS	Sha	are in grade
51000		0000013	011	tcome coo	de	i iouis c		cuu		2015		are in Sidde
Atte	nding	classes		/					20%			
Attending classes /				15 0.5 20%								

Practical task	IU-	15	0.5	30%				
	FPMOZGB105-1-							
	4							
Final practical exam	IU-	30	1	50%				
	FPMOZGB105-1-							
	4							
In total		60	2	100%				
Method of calculating the final grade								

Class attendance is evaluated as follows:

- does not participate in teaching activities = 0% grade

- participates in teaching activities, but does not notice omissions and mistakes in playing (rhythm, melody, meter, musical phrase, tone articulation) = 11% of the grade

- participates in teaching activities, notices partial mistakes and omissions in playing, difficult to correct them = 14%

grades

- participates in the lesson, the goal of the lesson is achieved, but when playing he does not really notice all the essential features of the piece of music (the sense of the musical phrase and tone articulation is missing) = 17% of the grade

- very actively participates in teaching activities, excellently notices all the features of a piece of music (rhythm, melody, meter, musical phrase, tone articulation), the mistakes of others in playing, and suggests excellent solutions for Avoiding mistakes = 20% of the grade

The practical task (each exercise individually) is graded as follows:

- the exercise has been played, but it does not meet the given criteria (some parts are not played with articulation, rhythm and metric are not in harmony, it is not complete, there is no feeling for musical phrases, and there are melorhythmic errors) = 16.5% of the grade

- the piece is played not as a complete work, interrupted, only the rhythm and melody are satisfied, not the metric, without feeling for the musical phrase and the articulation of the tone is not completely satisfied = 21% of the grade

- the composition is played, the piece is heard as a whole, it is not interrupted, the rhythm, melody, metric, musical phrase is clearly felt, but certain omissions were made (some phrases did not satisfy the tone articulation) = 25.5% of the grade

- the composition is played in its entirety as a complete work, formally and substantively, without any mistakes, while playing it meets the given criteria of rhythm, meter, melody, feeling of the musical phrase and pitch articulation = 30% of the grade

The final practical exam is graded as follows:

less than 55% correct, i.e. by playing the main components of the piece of music (rhythm, meter, melody, musical phrase, tone articulation) = 0% grade

from 55% to 66% = 27.5% of the grade

from 67% to 78% = 35% of the grade

from 79% to 90% = 42.5% of the grade

from 91% to 100% = 50% of the grade

According to the Study Regulations, the final grade is obtained as follows:

0 – 54% insufficient (1)

55 – 66% sufficient (2)

67 – 78% good (3)

79 – 90% very good (4)

91 – 100% excellent (5).

Allocation of ECTS credits, obligations and the method of calculating the final grade for part-time students (if any):

Literature	Title	Edition	Language	Type of literature
------------	-------	---------	----------	--------------------

(indicate)	(title, author, year)	own	other	croatian	english	other	multilingual	book	article	script	other
Compulsory	K. Czerny: Etude op. 849 i		х			х					х
	299;										
	Polyphonic works: J.S.		х			х					х
	Bach 12 Little Preludes										
	BWV 924 – 930, 939 –										
	942 and 999										
	Sonatas: M. Clementi, F.		х			х					х
	J. Haydn, F. Kuhlau,										
	Playel, etc.										
Additional	Cramer-Bulow: Etudes I.		х			х					х
	and II. St.										
	J. S. Bach: 6 Little		х			х					х
	Preludes BWV 933 – 938,										
	Two-part Inventions BWV										
	772-786										
	W. A. Mozart: Vienna		х								х
	Sonatas and Sonatas										
Additional co	urse information										

Study	MUSIC PEDAGOG	Y								
programme		T								
Cycle	1.	Туре	University	/						
Study track		Module								
Year of study	1.	Semester	2.							
Course title	PIANO-	Course	FPMOZGB	205						
	REQUIRED 2	code								
ECTS	2	Status	Obligator	y						
	Teaching hours		Lectu	res	Tutorials	Seminars	Practice			
			5		10	0	0			
Course	- expand knowledg	ge with differe	nt literature	from th	e subject content					
objectives	- expand knowledg	xpand knowledge about the technique of playing the piano and the skill of interpreting								
	given works	ven works								
	- train the student	train the student to practice independently, and master the instrument and interpretation								
	Learning outcome			Course l code	earning outcome		come goal at gramme level			
Course learning	He reads from the	sheet and play				IU-FPMOZGPB-4				
outcomes	written sheet musi				110200200 1					
	He interprets deco	rations in wor	ks of	IU-FI	PMOZGB205-2	IU-FPMOZGPB-4				
	different stylistic e	ras								
	Leads voices in pol	yphonic works	5	IU-FI	PMOZGB205-3	IU-FPM	OZGPB-6			
	Reproduces own p	laying compet	ences,	IU-FI	PMOZGB205-4	IU-FPM	OZGPB-4			
	with independence	e and indepen	dence in							
	playing left and rig	ht hand								
Prerequisites				•		•				
for the course										
enrolment										
	Week / shift	Тор	Dic							

Course cor	ntent	115		kn pr m (st	lection of pro lowledge and ocessing. Phra usical fabric. W cill separate). P ne quality, tone	affinities. A sing, articula ork on techr laying comp	cquaintance ation, exact f nical tasks. Dy	with ingeri /nami	liter ing, l cs, to	rature. Text logic of the one shaping					
Language		Englis	sh language												
E-learning		/													
Teaching		Teach	aching methods (lecture, presentation, demonstration)												
methods															
				Types of a	assessment (ind	licate)									
		Тур	pe of pre-exam	ination oblig	ation		T	ype of	fexai	m					
midterm	semi	nar	essay/report	practical/	'project task	other	written	ora	al	practical					
	рар	er					exam	exa	m						
			Alloca	tion of ECTS	credits and sha	re in the gra	de		-						
Student	obliga [.]	tions	Learning ou	utcome code	Hours of v	workload	Share in E	CTS	Sha	are in grade					
Attend	ing clas	sses		/	1!	5	0.5			20%					
Pract	tical tas	sk	IU-FPMOZ	GB205-1-4	1	5	0.5			30%					
Final pra	actical e	exam	IU-FPMOZ	DZGB205-1-4 30		1			50%						
			total		60		2			100%					
				Method of ca	alculating the fi	nal grade									
Class attan	danca	ic oval	usted as follow			Ŭ									

Class attendance is evaluated as follows:

- does not participate in teaching activities = 0% grade

- participates in teaching activities, but does not notice omissions and mistakes in playing (rhythm, melody, meter, musical phrase, tone articulation) = 11% of the grade

- participates in teaching activities, notices partial mistakes and omissions in playing, difficult to correct them = 14%

grades

- participates in the lesson, the goal of the lesson is achieved, but when playing he does not really notice all the essential features of the piece of music (the sense of the musical phrase and tone articulation is missing) = 17% of the grade

- very actively participates in teaching activities, excellently notices all the features of a piece of music (rhythm, melody, meter, musical phrase, tone articulation), the mistakes of others in playing, and suggests excellent solutions for Avoiding mistakes = 20% of the grade

The practical task (each exercise individually) is graded as follows:

- the exercise has been played, but it does not meet the given criteria (some parts are not played with articulation, rhythm and metric are not in harmony, it is not complete, there is no feeling for musical phrases, and there are melorhythmic errors) = 16.5% of the grade

- the piece is played not as a complete work, interrupted, only the rhythm and melody are satisfied, not the metric, without feeling for the musical phrase and the articulation of the tone is not completely satisfied = 21% of the grade

- the composition is played, the piece is heard as a whole, it is not interrupted, the rhythm, melody, metric, musical phrase is clearly felt, but certain omissions were made (some phrases did not satisfy the tone articulation) = 25.5% of the grade

- the composition is played in its entirety as a complete work, formally and substantively, without any mistakes, while playing it meets the given criteria of rhythm, meter, melody, feeling of the musical phrase and pitch articulation = 30% of the grade

The final practical exam is graded as follows:

less than 55% correct, i.e. by playing the main components of the piece of music (rhythm, meter, melody, musical phrase, tone articulation) = 0% grade

from 55% to 66% = 27.5% of the grade from 67% to 78% = 35% of the grade from 79% to 90% = 42.5% of the grade from 91% to 100% = 50% of the grade According to the Study Regulations, the final grade is obtained as follows: 0 - 54% insufficient (1) 55 - 66% sufficient (2) 67 - 78% good (3)

79 – 90% very good (4)

91 – 100% excellent (5).

Allocation of ECTS credits, obligations and the method of calculating the final grade for part-time students (if any):

Literature	Title	Edi	tion		Lan	guage		Ту	Type of literature		
(indicate)	(title, author, year)	own	other	croatian	english	other	multilingual	book	article	script	other
Compulsory	K. Czerny: Etude op. 849 i 299;		х			x					x
	Polyphonic works: J.S. Bach 12 Little Preludes BWV 924 – 930, 939 – 942 and 999		x			x					x
	Sonatas: M. Clementi, F. J. Haydn, F. Kuhlau, Playel, etc.		x			x					x
Additional	Cramer-Bulow: Etudes I. and II. St.		х			x					x
	J. S. Bach: 6 Little Preludes BWV 933 – 938, Two-part Inventions BWV 772-786		x			x					x
	W. A. Mozart: Vienna Sonatas and Sonatas		x			x					x
Additional co	urse information										

MUSIC PEDAGOGY – Graduate Study

Study	MUSIC PEDAGOGY											
programme												
Cycle	2.	Туре	University	/								
Study track	1) Musical culture and ethnomusicology	Module										
Year of study	1.	Semester	1.									
Course title	WORLD MUSIC 1	Course code	FPMOZGPEM103									
ECTS	2	Status	Obligator	y								
	Teaching hours		Lectu	res	Tutorials	Seminars	Practice					
			30		15	0	0					
Course objectives	modern times	expand students' knowledge of applied ethnomusicological work										
	Learning outcome				earning outcome	-	come goal at					
Course learning outcomes	It applies contempor traditional music wit determinants (narro characteristics, appro ways and styles of per music making) It explains the econd	h respect to its wer musical oaches to musi erformance, co	s key ic making,		MOZGPEM103-1 MOZGPEM103-2		gramme level ZGPETM-1 ZGPGKM-2					
	ideological, education the contemporary me the factors that cont preservation and/or music	onal and legal fa nusic scene, esp ribute to the revival of tradi	becially itional				ZGPETM-4					
	Analyzes the art of b processes on the exa Croatian, European a genres of traditional music and world mu	MOZGPEM103-3	IU-FPMC	DZGPM-3								
		applies knowledge about the IU-FPMOZGPEM103-4 IU-FPMOZ chievements and controversies of applied thnomusicology										
Prerequisites for the course enrolment												
	Week / shift	Тор	oic									

Course content	1. – 15.		fra Rot Ian dar Oct Sot Sot Ind	Introductory lecture - concept of world music, theoretical framework; historical development Roma music (history, community, family, religion, flag, anthem, language, traditions, customs, elements of culture [music, dance, religion, myths], costume, repertoire); Oceania: Australia, Papua New Guinea, Hawaii, Caribbean South Asia – Sri Lanka: India, Pakistan Southeast Asia: Vietnam, Thailand, Laos, Northeast Thailand, Indonesia (Java and Bali) East Asia: China, Mongolia; East Asia: Korea, Japan, Tibet							
		Middle East: Islam and the Arab world, Iran, Egypt The Middle East: Sufism and Judaism Sub-Saharan Africa: Ghana, Nigeria, Central America, Zimbabwe Sub-Saharan Africa: Uganda, Senegal, The Republic of South Africa; Caribbean: Cuba, The Dominic Republic, Haiti, Jamaica, Trinidad and Tobago, The Bahamas									
		South America and Mexico: The Amazon Rainforest, Peru South America and Mexico: Argentina, Brazil, Mexico Canada and the United States									
Language	English lang	guage									
E-learning	Sumarum										
Teaching	Monologica	al (analyti	cal and synt	thetic interpre	tation, pro	of, reference	e), dial	ogic (heuristic			
methods	-	phological (analytical and synthetic interpretation, proof, reference), dialogic (heuristic inversation, discussion method, directed conversation), demonstration method (visual,									
		uditory), research methods (project, case analysis, interview, survey, questionnaire, field work,									
		storm of ideas), participatory and interactive methods (free and guided conversation, dialogue,									
			egotiation, m			0		,			
	3.00000000		-	sessment (indic	cate)						
	Type of	ore-examin	nation obligat	· · ·		Т	vne of	exam			
midterm sem		ay/report		bligation Type of exam tical/project task other written oral practica							
		ayreport	practical		Uner	exam exa					
pa	per	Allocati	ion of FCTS or	edits and share	in the grad		Слаг				
Student oblig	ations	Т	ng outcome	Hours of w	v	Share in E	CTS	Share in grade			
Student Oblig	Sations		code	TIOUIS OF W	loi kioau	Share III E		Share in grade			
Attending clas	sos and		/	45		1		0%			
Attending clas			/	45	1	L T		070			
preparing for fir				10		0.2		E 00/			
Colloquium/fina	ai written		ZGPEM103-1	10	1	0.3		50%			
exam Final oral o	wama a		ZGPEM103-3	-		0.2		E 00/			
Final oral e	:xdIII		ZGPEM103-2	5		0.2		50%			
	In total		DZGPEM103-4					100%			
	In total			60		2		100%			
The 11 1 10				culating the fina							
The colloquium/fi less than 55% cor	rect answer	s = 0% grad		vs (carries 50%	of the total	grade):					
from 55% to 66%		-									
from 67% to 78%		-									
from 79% to 90%		•									
from 91% to 100%	% = 50% of tl	ne grade									
The final oral exar	n is graded a	is follows (carries 50% c	of the total grad	de):						
1	0.000			-	,						
less than 55% cor	-	s = 0% grad		-	,						
less than 55% cor from 55% to 66%	rect answer	-		-							

	90% = 42.5% of the grade										
	100% = 50% of the grade										
-	the Study Regulations, the fina	ıl grac	le is ob	otained a	s follow	/S:					
0 – 54% insu	fficient (1)										
55 – 66% suff	icient (2)										
67 – 78% goo	vd (3)										
79 – 90% very											
91 – 100% ex	cellent (5).										
Allocation	n of ECTS credits, obligations a	nd the	e meth	od of ca	lculating	g the fi	nal grade fo	or part	time s	tudent	.s
			(if	any):							
Literature	Title	Edi	ition		Lan	guage		Ту	/pe of li	iteratu	re
(indicate)	(title, author, year)	own	other	croatian	english	other	multilingual	book	article	script	other
Compulsory	Miller, Terry E.;		х		х			х			
	Shahriari, Andrew										
	(2017)										
	World Music – A Global										
	Yourney. Izdanje 4.										
	New York and London:										
	Taylor&Francis.			l						Í	
	Selected articles		х		х				х		
Additional	Selected articles		х		х				х		
		[
Additional co	urse information	The	course	includes	s examp	les fro	m music lite	eratur	e - worl	d mus	ic -
		which students listen to, recognize/distinguish, compare, and									
		anal	yze.		-	-		-	•		
		<u>.</u>	<u>·</u>	-							

Study	MUSIC PEDAGOGY									
programme										
Cycle	2.	Туре	University							
Study track	1) Musical culture	Module								
	and									
	ethnomusicology									
Year of study	1.	Semester	2.							
Course title	WORLD	Course	FPMOZGPEM203							
	MUSIC 2	code								
ECTS	2	Status	Obligatory	/						
	Teaching hours	Lectur	es	Tutorials	Seminars	Practice				
			30		15	0	0			
Course	- to expand students	' knowledge at	pout the wa	y of life	of traditional mu	sic (in the wo	orld) in			
objectives	modern times									
	- to expand students	' knowledge of	applied eth	nomusi	cological work					
	Learning outcome				earning outcome	0	come goal at			
Course learning				code		the study pro	-			
outcomes	It applies contempor	rary transforma	ations of	IU-FPI	MOZGPEM203-1	IU-FPMO2	ZGPETM-1			
	traditional music wit	h respect to its								
	determinants (narro	wer musical								
	characteristics, appro	characteristics, approaches to music making,								

			and styles of per	formanc	o contoxts of					
		-	making)	TOTTIATIC	e, contexts of					
			ains the econon		rəl	IU-FPMOZGP	DEM203-2		GPGKM-2	
		-	gical, education				LIVI203-2		GPETM-4	
			ntemporary mu		-					
			ctors that contri							
			vation and/or r							
		music	vation and/or it		liautional					
			es the art of bro	aaking de	wn musical	IU-FPMOZGP	DEM203-3	III-FPMC	DZGPM-3	
			ses on the exam	•		10 11 10201		10 11 111	20110	
		•	an, European ar	•						
			s of traditional,							
		-	and world musi							
			ies knowledge a		د	IU-FPMOZGP	PFM203-4	IU-FPMOZ	GPETM-3	
			ements and cor							
			musicology							
Prerequisite	es					I				
for the cour										
enrolment										
-		Week	/ shift		Торіс					
Course cont	tent	1. – 15			•	ecture - the i	influence of	mass me	dia on the	
					Introductory lecture - the influence of mass media c emergence of world music; urbanization and contemporar					
					structure of so					
					context					
					Europe: Croatia	a, Bosnia and H	lerzegovina,	Serbia		
					Europe: Monte	enegro, Sloveni	ia, North Ma	cedonia		
					Europe: Albani	a, Andorra, Au	stria			
					Europe: Belgiu	m, Bulgaria, Fii	nland			
					Europe: Cyprus	s, Czech Repub	lic, Slovakia			
					Europe: Kosovo	o, Moldova, Ne	etherlands			
					Europe: Norway, Ukraine, Russia					
					Europe: Romar					
					Europe: Turkey, Monaco, Iceland					
					Europe: Greece, Spain, Scotland					
					Europe: Ireland					
					Europe: Germa					
					Europe: Polanc		•			
					Europe: France	, England, Den	mark			
Language		-	n language							
E-learning		Sumar		<u> </u>				<u> </u>		
-	Teaching Monological (analytical ar								-	
methods			-		thod, directed				• •	
auditory), research metho					-	•				
					and interactive r	nethods (free a	and guided c	onversatio	n, dialogue,	
		aiscus	sion, debate, ne	-	· ·					
		-			of assessment (ir	idicate)	-			
			e of pre-examir			ath su		ype of exa		
midterm		ninar	essay/report	practi	cal/project task	other	written	oral	practical	
	ра	per	All				exam	exam		
1			Allocati	on of ECI	FS credits and sh	lare in the grad	le			

Student obligations	Learning outcome code	Hours of workload	Share in ECTS	Share in grade
Attending classes and preparing for final exams	/	45	1	0%
Colloquium/final written exam	IU-FPMOZGPEM203-1 IU-FPMOZGPEM203-3	10	0.3	50%
Final oral exam	IU-FPMOZGPEM203-2 IU-FPMOZGPEM203-4	5	0.2	50%
In total		60	2	100%
		ulating the final grade		

The colloquium/final written exam is graded as follows (carries 50% of the total grade):

less than 55% correct answers = 0% grade

from 55% to 66% = 27.5% of the grade

from 67% to 78% = 35% of the grade

from 79% to 90% = 42.5% of the grade

from 91% to 100% = 50% of the grade

The final oral exam is graded as follows (carries 50% of the total grade):

less than 55% correct answers = 0% grade

from 55% to 66% = 27.5% of the grade

from 67% to 78% = 35% of the grade

from 79% to 90% = 42.5% of the grade

from 91% to 100% = 50% of the grade

According to the Study Regulations, the final grade is obtained as follows:

0 – 54% insufficient (1)

55 – 66% sufficient (2)

67 – 78% good (3)

79 – 90% very good (4)

91 – 100% excellent (5).

Allocation of ECTS credits, obligations and the method of calculating the final grade for part-time students (if any):

Literature	Title	Edi	tion		Lan	guage		Ту	/pe of li	iteratu	re
(indicate)	(title, author, year)	own	other	croatian	english	other	multilingual	book	article	script	other
Compulsory	Miller, Terry E.; Shahriari, Andrew (2017) <i>World Music – A Global</i> <i>Yourney</i> . Izdanje 4. New York and London: Taylor&Francis.		x		x			x	x		
	Selected articles										
Additional	Selected articles		х		x				x		
Additional co	urse information		ch stud		•		m music lite e/distinguis				ic -

CHEMISTRY – Undergraduate study

Study	Chemistry									
programme										
Cycle	1.	Туре	University	/						
Study track		Module								
Year of study	2.	Semester	3.							
Course title	Analytical	Course	FPMOZKE	B302						
	chemistry	code								
	laboratory 1									
ECTS	3	Status	Mandato	Mandatory						
	Teaching hours		Lectu	Lectures Tutorials Seminars Pra						
	Ū		0		60	0	0			
Course	- to achieve studer	nt independe	ence when wo	orking in	the laboratory		1			
objectives	- train the student			-		ualitative ch	emical			
	analysis experimer		, p							
	- train the student		the results of	tained t	ve analysis					
	Learning outcome				earning outcome		come goal at			
				code		-	gramme level			
	Actively applies kn	owledge of		IU-FP	MOZKEB302-1	IU-FPMC	ZKEB-6, 7			
	heterogeneous and	d homogene	eous							
	balances during th	e qualitative	e analysis							
	process									
	Plans and indepen	dently carrie	es out	IU-FP	MOZKEB302-2	IU-FPMOZKEB-7, 8, 10,				
Course learning	systematic analysis	s of cations a	and anions			1	1			
outcomes	Plans and indepen	dently imple	ements	IU-FP	MOZKEB302-3	IU-FPMOZł	KEB-7, 8, 10,			
	simple ion exchang	ge separatio	n			1	1			
	procedures.									
	Applies safety mea	sures when	working	IU-FP	MOZKEB302-4	IU-FPM	OZKEB-9			
	with laboratory eq	uipment and	d chemicals							
	Interprets and com	pares the re	esults of	IU-FP	MOZKEB302-5	IU-FPMOZKEB-11				
	qualitative analysis	5								
Prerequisites										
for the course										
enrolment										
	Week / shift	1	Горіс							
	1st week	F	Procedures an	d tools i	n qualitative anal	ysis.				
	2nd week	9	Systematic sep	aration	and proof of cation	ons.				
		(Qualitative and	alysis of	Group I cations ir	ndividually.				
	3rd week				group IIa cations					
	4th week				group IIb and III o		dually.			
	5th week				group IV and V ca					
Course content	6th, 7th week				the mixture of gr					
	810. week				the mixture of gr	•				
	11th week				and proof of anic					
			•		anions from grou		ividually.			
	12th week			-	group IV and V ar					
	13th week				atography. Dete					
			-		ns in water using					
	1				is in watch using					

		14th w	eek		aration of Cd(hanger	II) and Zn(ll) from the	mixtur	e using an ior
		15th w	eek	Dea	adline for comp	ensation.			
Language		English							
E-learning									
Teaching			•	methods (lab	oratory work)				
methods			nstration						
		- dialog	gue, discussio		uided conversa				
					sessment (indi	cate)	1		
				nation obliga				ype of e	
midterm	semi		ssay/report	practical/p	project task	other	written	oral	practical
	рар	er					exam	exan	n
					redits and shar		1	T	
Studen	t obliga	tions		g outcome	Hours of w	orkload	Share in E	CTS	Share in grade
•			C	ode					/
	ling cla			-	60		2		0 %
Report/la				ZKEB302-5	15		0,5		40 %
Colloqui		ritten	IU-FPMO2	KEB302-1-5	15		0,5		60 %
	exam							_	
		In to							
The evelve	4°	(culating the fin	-			
				the entrance	e colloquium fo	or each exer	cise, to keep	ing a la	aboratory diary
			ritten exam. uated as follo						
			answers = 0%	e graue = 16.5% of the	arado				
				= 21% of the g	-				
				5.5% of the g					
				30% of the gr					
			aluated as fol	•	auc				
	•	•		deficiencies =	0%				
•			-		ere are deficie	encies in th	e display of	results	or in chemica
calculation			-	,,					
	•	-		l exercises, tl	ne results are	well preser	nted, but the	re are	deficiencies ir
-			rammar = 21						
- the diary	contaiı	ns descr	iptions of all	exercises, the	e results are ve	ery well pre	sented with	small s	hortcomings ir
calculation	or grai	mmar =	25.5%						
- the diary	contai	ns desc	riptions of a	l exercises, t	he results are	presented	neatly and s	ystema	itically withou
deficiencie	s in cal	culation	and gramma	ır = 30%					
The writte	n exam	is grade	d as follows:						
			answers = 0%	-					
				= 22% of the g	•				
				= 28% of the g	-				
				4% of the gra					
				40% of the gr					
-		•	gulations, th	e final grade i	s obtained as f	ollows:			
0 – 54% in									
55 – 66% s									
67 – 78% g									
79 – 90% v									
91 – 100%	excelle	iit (5).							

Allocation	of ECTS credits, obligations	and th	ne met	hod of ca	alculatir	ng the	final grade	for pa	rt-time	studen	its
			(i	f any):							
								-			
Literature	Title	Edi	tion		Lan	guage		T	ype of li	iteratu	re
(indicate)	(title, author, year)	own	other	croatian	english	other	multilingual	book	article	script	other
Compulsory	Systematic Qualitative Analysis, Unit 7, Ncert		х		х						x
Additional	Metal Ions of Cations and Anions Separation and Detection Approach, Ayman Y. El- Khateeb		Х		х				x		
Additional co	urse information										

Study	Chemistry								
programm									
е									
Cycle	1st cycle	Туре	University	1					
Study track		Module							
Year of study	2nd	Semester	3rd						
Course title	Organic chemistry laboratory 1	Course code	e						
ECTS	3	Status	Core				-		
Т	eaching hours	5	Lectu	res	Tutorials	Seminars	Practice		
			0		60	0	0		
Course objectives Course	fundamenta compounds.	l techniques i nts to identify	n the synth	esis, isola d organic	boratory work, f ition, and purifica compounds. learning e code	Ū	outcome		
learning						programme	•		
outcomes	Conduct lab safe manner	oratory exer	cises in a	IU-FPM	OZKEB306-1	IU-FPMOZK			
	containing reagents, ex	laboratory informatior perimental p ata, and ob speriment.	n about rocedures,	IU-FPM	OZKEB306-2	IU-FPMOZK	EB-6		
	Independent	tly construct a	apparatus.	IU-FPM	OZKEB306-3	IU-FPMOZK	(EB-8		
		techniques and purific	for the	IU-FPM	OZKEB306-4	IU-FPMOZKEB-8			
	reactions ba	outcome consed on under materials,	erstanding	IU-FPM	OZKEB306-5	IU-FPMOZK IU-FPMOZK			

		-	oups, inditior		anisms	, and	d reaction					
	-	Ca cha sul	lculate aracte bstanc	e the rize e, inc	the		yield and obtained nysical and	IL	I-FPMOZKEB	306-6		DZKEB-10 DZKEB-11
Prereques for t course enrolm	he											
		We	eek / s	hift		Тор	oic					
Course conten			t – 8th		ζ.	cor	npounds.					on of organic
	_	9tł	n week	K		Sug	gar fermenta	atic	on and ethan	ol distillati	on.	
	-		th – 13		eek			sat	turated carbo	on atom.		
	_	14	th wee	ek		Kin	etics					
			th wee			Pre	paration of	сус	lohexene.			
Langua	ge	Cro	oatian	and E	Inglish							
E-learn	-											
Teachir	•		aborate	•								
metho	ds	- p	resent	ation	, demo			_				
							s of assessm	nen	t (indicate)			
					-		obligation				Type of e	
midt	semi	in	essay		pract	tical/	project tasl	<	other	written	oral	practical
erm	ar		ро	rt						exam	exan	n
	pape	er										
Churden							r		d share in th	_ <u> </u>	FCTC	Chana in
Stude	nt obli	gat	ions		earning	·	Hours	ot v	vorkload	Share ir	IECIS	Share in
Class	atten	dar		out	come co	Jue		60	\	2,0		grade 0%
	articip				-			00)	2,0	,	070
-	/idter		0113		IU-			15		0,!	;	20%
	vilater				10ZKEB 6-3, 6	30		10	,	0,	,	2070
Wr	itten e	exan	n	FPN	IU- 1OZKEB			15		0,5	5	80%
					1, 2, 4,	5		00		2		1000/
			n total		N/c+	hod	of coloulati	90		3		100%
Each or	orcia	bo	ging	lith ar					the final grad		t loact EF	% of the
			-						is necessary work is grad			
- Less t			•					udl	work is grau	ieu as iulit		
- 55% t						• • • 8						
- 67% t			•	-								
- 79% t			•	-								
- 91% t			•	-								
The wr				-		ws:						
- Less t			-				rade					
- 55% t						-						
			rrect a			-						
07700					15 - 507	~ gi c	ade					

	e
(indicat e)year)w ner tiantian her ergualkle iptipt itCompul soryO. Kronja, S. Borčić, Praktikum preparativne organske kemije, Školska knjiga, Zagreb, 2004.XXXXXII <td></td>	
e) n X X X X X X X X X X X X X X X X X X	ot
Compul soryO. Kronja, S. Borčić, Praktikum preparativne organske kemije, Školska knjiga, Zagreb, 2004.XXXI. Odak. Praktikum iz organske kemije. Interna skripta.XXXX	ne
sory Borčić, Praktikum preparativne organske kemije, Školska knjiga, Zagreb, 2004. I. Odak. X X X Praktikum iz organske kemije. Interna skripta.	•
Additio I. R. Mohrig, C. N. X.	
nal Hammond, T. C. Morrill, D. C. Neckers, Experimental Organic Chemistry: a balanced approach, macroscale and microscale, W. H. Freeman and Company, New York, 1998.	
Additional course	
information	

Study	Chemistry		
programme			
Cycle	1.	Туре	University
Study track		Module	
Year of study	2.	Semester	4.

Course title	Analytical chemistry laboratory 2	Course code	FPMOZKEB402						
ECTS	4	Status	Mandator	y					
-	Teaching hours		Lectu		Tutorials	Seminars	Practice		
	-		0		60	0	0		
Course	- to achieve studen	its' independ	ence when v						
objectives	- train students for	the applicati	ion, planning	and per	ntitative che	mical			
	analysis experimer								
	- train students to i	interpret the	results obtai		÷ ,	· · · · · · · · · · · · · · · · · · ·			
	Learning outcome			Course le code	earning outcome		come goal at gramme level		
	Applies knowledge to analytical chemi analysis procedure	istry during q		IU-FP	MOZKEB402-1	IU-FPM	OZKEB-6		
	Plans and impleme analysis procedure	•	uantitative	IU-FP	MOZKEB402-2	IU-FPMOZ	KEB-8, 9, 10		
Course learning outcomes	Plans and impleme spectrometric (UV/ spectrometry) mea	/Vis molecula	ar	IU-FP	MOZKEB402-3	IU-FPMOZ	KEB-8, 9, 10		
	It calculates the an	alyte content	t based on	IU-FP	MOZKEB402-4	IU-FPMO	ZKEB-3, 11		
	data obtained by c								
	instrumental quant	titative meth	ods of						
	analysis.								
	Interprets and com quantitative measu	•	sults of	IU-FP	MOZKEB402-5	IU-FPMO	ZKEB-3, 11		
Prerequisites	quantitative mease								
for the course									
enrolment									
	Week / shift	То	pic						
	1st, 2nd week		Gravimetric methods of analysis. Determination of sulfate precipitation with barium chloride.						
	3rd week				by precipitation	with dimeth	vlglvoxime		
	4th week				analysis. Argento				
	5th week				s. Titrimetric dete				
	6th week	De	etermination	of acid i	n vinegar. Poten	tiometric de	termination		
		of	the end poir	nt of the	titration.				
	7th week	Tit	ration of Na	$ICO_3 + N$	aHCO ₃ mixture.	Determinati	on of oxalic		
Course content		ac							
	8th week		iffer prepara						
	9th week		•		ons. Titration of one of the o		magnesium		
	10th week		dox titration			:55.			
	11th week				ination of ascorb	ic acid.			
	12th week				ermination of did				
	13th week		-	-	ination of iodide.				
	14th week				termination of Kl		ntration.		
	15th week		adlines for c						
Language	English	I		-					
E-learning									

Teaching methods		- dem	nonstrati	on		boratory work				
		- dialo	ogue, dis	scussio		uided convers				
						sessment (inc	licate)			
					nation obliga		Ι.		ype of exa	1
midterm	semi pap		essay/r	-	•	project task	other	written exam	oral exam	practical
				Allocat	ion of ECTS c	redits and sha				
Stud	ent obli	igation	IS		earning come code	Hours of v	vorkload	Share in E	CTS Sh	are in grade
Attend	ding cla	sses			-	60)	2,0		0%
Col	loquiun	n	IU-		ZKEB402-1- 5	30)	1,0		30 %
Report/la	borato	ry diary	y IU-	FPMO	ZKEB402-4, 5	1!	5	0,5		30 %
Writ	ten exa	m	IU-		ZKEB402-1- 5	1!	5	0,5		40 %
		In	total							
				Ν	lethod of cal	culating the fi	nal grade			
- from 67% - from 79% - from 91% The labora - the diary - the diary calculation - the diary chemical c - the diary calculation - the diary calculation - the diary deficiencie The writte - less than - from 55% - from 67% - from 91% According 0 - 54% in 55 - 66% s 67 - 78% g 79 - 90% v	5 to 66% 5 to 78% 5 to 90% 5 to 100 tory dia is not v contain alculati contain contain alculati contain contai	6 of con 6 of con 7 corre 7 corre 7 corre 7 corre 7 corre 7 corre 7 corre 8 corre 8 corre 9 corre 9 corre 9 corre 9 corre 9 corre 10 corre	rrect ans ct answerect ans	swers = swers = ers = 2 vers = 2 d as fol major c s of all .5% s of al ar = 21 s of all s of all camma dlows: rs = 0% swers = swers = 3 vers = 4	 16.5% of the 21% of the g 5.5% of the g 30% of the g 30% of the g 30% of the g avercises, the exercises, the exercises, the exercises, the exercises, the exercises, the avercises, the avercise	grade rade o% here are defic he results are e results are v he results are grade grade de	well prese ery well pre presented	nted, but the esented with	ere are de small sho	ficiencies ir rtcomings ir
91 - 100%	excelle	nt (5).								
		. ,	edits, ob	ligatio	ns and the m	ethod of calcu	lating the fi	inal grade for	part-time	students

Part-time stu	Part-time students have the same obligations and method of calculating the final grade as full-time students.											
Literature	Title	Edi	tion		Lan	guage		Type of literature				
(indicate)	(title, author, year)	own	other	croatian	english	other	multilingual	book	article	script	other	
Compulsory	Exercise Manual in	v			v					v		
	Analytical Chemistry 2, Authorized Script	х			x					х		
Additional	Quantitative chemical analysis , Daniel C. Harris		x		x			x				
Additional co	Additional course information											

Study programm e	Chemistry															
Cycle	1st cycle	Туре	Univer	sity studio	20											
Study track	IStevele	Module		Sity Studio												
Year of	2nd	Semester	4th													
study	2.1.0	bennester														
Course	Organic	Course code	FPMOZ	KEB406												
title	chemistry															
	laboratory															
	2															
ECTS	4	4 Status Core														
	Teaching hou	rs	Lec	tures	Tutorials	Seminars	Practice									
	ſ			0	60 mplement metho	0	0									
Course objectives	 target molecules, on the basis on knowledge of functional group reactions covered in Organic Chemistry 1 and Organic Chemistry 2. Foster students' comprehension of the interrelation between principles of reaction mechanisms and organic functional groups. 															
	Learning out	come		Course	learning	Learning	outcome									
Course learning				outcom	e code	goal at programm	the study e level									
outcomes	Conducts syn	nthesis of target		IU-FPMOZKEB406-1 IU-FPMOZ												
	molecules th	rough technique	es													
	learned in Oi	rganic Chemistry	/													
	Laboratory 1															
	Plans a labor	ratory notebook		IU-FPM	OZKEB406-2	IU-FPMOZKEB-7										
	-	formation abou				IU-FPMOZ	KEB-11									
		perimental proce														
		a, and observati	ons													
	during the ex	-			07//50 406 0		(55.0									
	•	tly assembles		IU-FPIM	OZKEB406-3	IU-FPMOZ	KEB-8									
	laboratory ap	1	tion													
	mechanisms	rinciples of react	uon	IU-FPIVI	OZKEB406-4	IU-FPMOZ	NED-J									
	functional gr	-														
	_	outcome of orga	anic	ic IU-FPMOZKEB406-5 IU-FPMOZKEB-												
		sed on understa			021120400 5	10 11 1002										
			-													
	5.564.619.11			1		of starting materials, functional										

		-	oups nditi	, mecha ons.	inisms,	and rea	action							
		Pla co	ans t mpo	the synth unds us tional g	ing spe	-		IU-FPMOZKEB4	406-6	IU-FPM	OZKEB-12			
Prereques for t course enrolm	he													
		We	eek /	/ shift		Торіс								
Course		1st	t, 2n	d week		Prepara	ation of o	cyclohexanone.						
conten	t	3rc	d, 4tl	h week		Prepara	ation of o	cyclohexanone o	xime.					
		5tł	n we	ek		Synthesis of dibenzalacetone.								
		6tł	ו we	ek		Bromination of aromatic compounds								
		7tł	n we	ek		Synthesis of azo dyes.								
		8tł	n-10†	th week		Synthesis of unknown acetate. IR characterization of functiona groups.								
		11	th w	eek		Beckmann rearrangement of cyclohexanone oxime.								
		12	th-14	4th wee		Functional group Interconversion. IR characterization of								
							nal grou	•						
		15	th w	eek				degradable poly	mers.					
Langua	ge	Cro	oatia	an and e		,								
E-learn	-				0									
Teachir	-	- a	ctive	e-experi	mental	metho	ds (labor	atory work)						
metho	ds	- le	ectur	ring met	hods (present	ation, de	monstration)						
					1	Types of	assessn	nent (indicate)						
		Т		-	examina	ation ob	oligation		Type of ex		exam			
midt	semi	n		ay/re	pract	tical/pro	oject tasl	k other	written ora		practica			
erm	ar pape	er	p	oort					exam	exan	n			
				Alle	ocatior	of ECT	S credits	and share in the	e grade					
	udent				ng outo	come	Hour	s of workload	Share in ECTS		Share in			
	igatior				code						grade			
Class a		anc	e		-			60	2,0		0%			
	and	200												
•	cipatio eport	2112	\rightarrow	IU-FPM		106 2		15	0,5		10%			
	idtern	<u> </u>		IU-FPM				15	0,5		20%			
IVI		•			3	-		1.5	0,5					
Writ	ten ex	am		IU-FPM	OZKEB [,] 4, 5, 6	406-2,		30	1,0		70%			
			In to	otal	, -, -			120	4		100%			
			-					ng the final grad						

- Report not written = 0%

- Report partially meets formal criteria = 5.5%

- Report fully meets formal criteria, but significant deficiencies are noted in content = 7%

- Report fully meets formal and content criteria, but grammatical and spelling errors are noted = 8.5%

- Report fully meets formal and content criteria and is grammatically and orthographically correct = 10% Each exercise begins with an entrance examination. It is necessary to solve at least 55% of the exam in order to proceed with the exercises. Practical work is graded as follows: - Less than 55% correct answers = 0% grade - 55% to 66% = up to 11% grade - 67% to 78% = up to 14% grade - 79% to 90% = up to 17% grade - 91% to 100% = up to 20% grade The written exam is graded as follows: - Less than 55% correct answers = 0% grade - 55% to 66% correct answers = 38,5% grade - 67% to 78% correct answers = 49% grade - 79% to 90% correct answers = 59,5% grade - 91% to 100% correct answers = 70% grade According to the Study Regulations, the final grade is determined as follows: - 0 – 54% = fail (1) -55 - 66% = pass(2)-67 - 78% = good(3)-79 - 90% = very good (4)-91 - 100% = excellent (5).Allocation of ECTS credits, obligations and the method of calculating the final grade for part-time students (if any): Literatu Edition Type of literature Title Language

		-			- 0			- 71			-
re	(title, author,	0	ot	croati	englis	oth	multilin	boo	artic	scr	ot
(indicat	year)	w	he	an	h	er	gual	k	le	ipt	he
e)		n	r								r
Compul sory	O. Kronja, S. Borčić, Praktikum preparativne organske kemije, Školska knjiga, Zagreb, 2004.		x	x				X			
	I. Odak. Praktikum iz organske kemije. Interna skripta.	Х		X						x	
Additio nal	J. R. Mohrig, C. N. Hammond, T. C. Morrill, D. C. Neckers, Experimental Organic Chemistry: a balanced approach, macroscale and microscale, W. H.		x		X			x			

	Freeman Company, York, 1998.	and New					
Additiona informati							

CHEMISTRY – Graduate study

Study	Chemistry											
programme		T										
Cycle	2	Туре	University	Oniversity								
Study track	Analytical	Module										
	chemistry and											
Veen of study	biochemistry	Consolator	1									
Year of study	1.	Semester	1									
Course title	Higher	Course code	FPMOZKE	M102								
	laboratory in											
	analytical											
ГСТС	chemistry 5	Status Mandatory										
ECTS	Teaching hours	Status	Lectu		Tutorials	Seminars	Practice					
	0 60 0											
Course	achiovo tho studou	at's ability to in	Ţ,	ly colyo			0 plov					
objectives	samples.	-achieve the student's ability to independently solve the problem of analyzing complex										
objectives		- train the student to independently plan and implement the evaluation of the analytical										
	method.	to independent	liy plan and	impiem		in or the ana	iyucai					
	- train the student	to apply plan a	nd nerform	exnerin	nents using instru	imental tech	niques					
	- train the student		•	•	-		inques					
	Learning outcome				earning outcome		come goal at					
				code the study programme								
	Applies theoretical	-		IU- FP	MOZKEM102-1		OZKEM-3					
	analytical chemistr		-			IU-FPM0	OZKEM-7					
	explaining and perf											
	Independently plar	•		IU- FP	MOZKEM102-2	IU-FPMOZKEM-1						
	procedures of instr real sample	umental analys	sis of a			IU-FPM0	OZKEM-2					
	It plans and implen	nents the proce	dures	IU- FP	MOZKEM102-3	IU-FPM(OZKEM-2					
Course learning	based on which it v	•										
outcomes	analytical method		-									
	It calculates the co	ntent of analyte	es based	IU- FP	MOZKEM102-4	IU-FPM0	OZKEM-1					
	on data obtained b	-				IU-FPM0	OZKEM-7					
	quantitative metho	ds of analysis.										
	Interprets and com	pares the resul	ts of	IU- FP	MOZKEM102-5	IU-FPM0	OZKEM-3					
	quantitative measu	irements				IU-FPM0	OZKEM-7					
	It applies knowledg	ge about the pr	MOZKEM102-6	IU-FPM0	OZKEM-2							
	of green analytical	chemistry in pr	actice			IU-FPM0	OZKEM-4					

Prerequisit	es														
for the cou															
enrolment															
		Week	c / sł	nift		Тор	ic								
		1st w	eek			•	ctrophotomet			•	a va	lue of the			
						indicator and the stoichiometry of the complex.									
		24.	wee	k		Optimization and evaluation of the method. Use of green tea as									
						a reagent in the determination of Fe in a pharmaceutical									
						preparation. Spectrometric determination of Fe ions in tea using the									
		56. \	wee	K		•						-			
						thiocyanate method. Adaptation of the method when applying the system for subsequent injection analysis.									
		7th va	-h wook				ctrophotomet				cid a	and thiols in			
		7 (11)	7th week				rmaceutical p								
						-	cuproine reag	-	using the	reacti					
Course cor	ntent	tent 8th week					entiometric de		n of iodide ir	i tea i	ising	calibration			
							h external stan				0				
	9th week						entiometric de		n of iodide ir	i tea u	ising	calibration			
						witl	h the addition	of standard	s.		-				
		10th	wee	k		Pot	entiometric de	termination	n of iodide an	id ioda	ate ir	n salt.			
	11th week					Qua	ality control of	cosmetic pi	reparation (Io	lio). D	eter	mination of			
							UV protection index								
		12th	wee	k		Det	ermination of	urea in cosr	netic prepara	tions.					
		13th					ter analysis. De								
			5. WE	eek			ermination of					•			
							erent spectro	•		• •		on of cell			
1		E a alta	- 1-			phones as detectors, preparation of rapid gel tests.									
Language		Englis	sn												
E-learning Teaching		activ		vooriontial r	nothods (laho	oratory work)								
methods				tration	nethous	נומטנ									
methous					n, free an	d gu	ided conversat	ion							
		Girdin		.,			sessment (indi								
		Ty	pe o	f pre-exami					T	pe of	exar	n			
midterm	sem			ay/report			project task	other	written	ora		practical			
	pap	ber							exam	exa	m	•			
				Allocat	ion of EC ⁻	TS cr	edits and shar	e in the gra	de						
Student	obliga	ations		-	goutcome ode	5	Hours of w	orkload	Share in E	CTS	Sha	ire in grade			
Attend	ing cla	ISSES			-		60		2						
	oquiu		-+	IU- FPMOZ	ZKEM102	-1-	30		1			30 %			
2011	- 90.01				6	-			-						
Report/lal	borato	ry diar	y.	IU- FPMO	-	-4,	30		1			30 %			
		-	_		5										
Writt	ten exa	xam IU- FPMOZKEM102		ZKEM102	-1-	30		1			40 %				
					6										
		In	tota												
							culating the fin	-							
					the entra	ance	colloquium fo	or each exer	cise, to keep	ing a	laboi	ratory diary			
(paper) and															
The entran	ce exa	m is ev	alua	ated as follo	ows:										

- less than 55% of correct answers = 0% grade - from 55% to 66% of correct answers = 16.5% of the grade - from 67% to 78% of correct answers = 21% of the grade - from 79% to 90% correct answers = 25.5% of the grade - from 91% to 100% correct answers = 30% of the grade The laboratory diary is evaluated as follows: - the diary is not written or has major deficiencies = 0% - the diary contains descriptions of all exercises, there are deficiencies in the display of results or in chemical calculations, spelling errors = 16.5% - the diary contains descriptions of all exercises, the results are well presented, but there are deficiencies in chemical calculations or grammar = 21% - the diary contains descriptions of all exercises, the results are very well presented with small shortcomings in calculation or grammar = 25.5% - the diary contains descriptions of all exercises, the results are presented neatly and systematically without deficiencies in calculation and grammar = 30% The written exam is graded as follows: - less than 55% of correct answers = 0% grade - from 55% to 66% of correct answers = 22% of the grade - from 67% to 78% of correct answers = 28% of the grade - from 79% to 90% correct answers = 34% of the grade - from 91% to 100% correct answers = 40% of the grade According to the Study Regulations, the final grade is obtained as follows: 0-54% insufficient (1) 55 - 66% sufficient (2) 67 – 78% good (3) 79 – 90% very good (4) 91-100% excellent (5). Allocation of ECTS credits, obligations and the method of calculating the final grade for part-time students (if any): Literature Title Edition Language Type of literature other other article script (indicate) (title, author, year) own croatian english multilingual book other Compulsory Higher practicum in analytical chemistry х х х internal script Additional

Additional course information

CLASSROOM TEACHING – Undergraduate study

Study	CLASSROOM TE	АСНІЛС								
Study		ACTING								
programme Cycle	1.	Туре	University	,						
Study track	1.	Module	Oniversity	·						
Year of study	3.	Semester	5.	5						
Course title										
Course title	MUSIC CULTURE	Course code	FPMOZRN	18203						
ECTS	3	Status	Obligatory							
	Teaching hours	Status	Seminars	Practice						
	reaching nours		Lectur 30	es	Tutorials 0	0				
Course	- expand students	s' knowlodgo		ical that	-	0	0			
objectives	- expand students	-			•	otiquity to th	no most			
objectives	recent developm	-		•	•	• •				
	Learning outcome				learning outcome		come goal at			
Course learning				code			gramme level			
outcomes	It applies the bas	ic characteris	tics of	IU-FP	MOZRNB503-1	IU-FPM	OZRNB-5			
outcomes	music in the perio									
	time	-	-							
	He values musica	I periods and	recognizes	IU-FP	MOZRNB503-2	IU-FPM	OZRNB-3			
	them aurally	-	-							
	It defines and des	scribes the mo	ost	IU-FP	MOZRNB503-3	IU-FPMOZRNB-15				
	important musica	al genres in ea	ich							
	particular musica	l period								
	It evaluates the m	nost importar	t	IU-FP	MOZRNB503-4	IU-FPMC	ZRNB-22			
	representatives o	f individual so	chools and							
	ranks important p	parts of their	works							
Prerequisites										
for the course										
enrolment										
	Week / shift	Тс	pic							
Course content	115.	Ba	asics of music	cal expre	ession and style ir	n music				
		M	usical culture	e of anci	ent Greece and Ro	ome. Monop	honic music			
		of	the Middle	Ages						
		Sc	hool of No	tre Dar	ne, Ars antiqua	and Ars n	ova. Dutch			
			olyphony							
		Re	enaissance. R	oman s	chool. Palestrina					
					ives of instrume	ntal music o	of the 17th			
			entury in Euro	•						
			•	assical, g	gallant style. A mu	usical classic				
			omanticism							
				•	oples of the 19th	•				
				ech Rep	ublic, Slovakia, Po	bland, Hunga	ry, Croatia			
). century		and the sheet from the	مال مل ال م)			
				-	era in the first h					
				-	oraries – impre	essionism in	music (C.			
			ebussy) 19t			mocraticatio	n of music			
					th century – de	mocratizatio	n or music,			
		ro	manticism, r	ational	5010015					

			Trends in 20th century music. Perception and reception of New Music France, Germany, the Soviet Union in the 20th century Music in Poland, Romania, Greece in the 20th century Music in North and South America in the 20th century												
Language		Englis	h language									,			
E-learning		0 -													
Teaching methods			plogical (analyti ersation, discus pry)	sion n	nethod		d conv	ersatic							
		Type	e of pre-examin				(indicat			Type	e of exa	<u>m</u>			
midterm	semir		ssay/report			oject tasl	< (other	writter		oral	1	tical		
	pape	er							exam	(exam				
			Allocatio	on of E	CTS cre	edits and	share i	n the g	rade						
Student	Student obligations Learning o cod				ie	Hours	of work	load	Share i	n ECTS	5 Sh	are in g	grade		
Attending classes /						45		1.	5		0%				
Colloqu	-		IU-FPMOZF	NB503	3-1		30		1			50%			
•	n exar		IU-FPMOZF												
Final o	ral exa	ım	IU-FPMOZF				15		0.	5		50%			
IU-FPMOZRNB503-4													,		
		Int	otal		<u> </u>	ulating tł	90		3	5		100%	Ó		
from 67% t from 79% t from 91% t The final or less than 5 from 55% t from 67% t from 79% t from 91% t According t 0 - 54% ins 55 - 66% su 67 - 78% go 79 - 90% ve 91 - 100% c	o 78% o 90% o 100% al exar 5% cor o 66% o 78% o 78% o 90% o 100% o the 9 sufficier pod (3) ery goo excelle	= 35% = 42.5 % = 50% m is gra rect ar = 27.5 = 35% = 42.5 % = 50% Study R ent (1) of (2) od (4) mt (5).	% of the grade of the grade % of the grade % of the grade aded as follows nswers = 0% gra % of the grade % of the grade % of the grade % of the grade tegulations, the	ide final ខ្ល	grade is	obtaine	d as foll	lows:	final grade	for pa	rt-time	e studer	nts		
	_				1				_		•• •				
Literature			Title		tion	creation		guage				1			
(indicate) Compulsory	/ Hei A B	nri Bibi	uthor, year) que-Delahaye: story Of Music	own	other x	croatian	english x	other	multilingual	book x	article	script	other		

	Nicolas Carter: Music Theory: From Beginner to Expert - The Ultimate Step-By-Step Guide to Understanding and Learning Music Theory Effortlessly (Essential Learning Tools for Musicians Book 1)		x	x		x		
Additional	Wendy Thompson: Illustrated History of Great Composers: A Guide to the Lives, Key Works and Influences of Over 100 Renowned Composers		x	x		x		
Additional course information								