UCHWAŁA NR 28

RADY DYDAKTYCZNEJ DLA KIERUNKÓW STUDIÓW CHEMIA, CHEMIA (CHEMISTRY), CHEMIA MEDYCZNA, CHEMICZNA ANALIZA INSTRUMENTALNA, CHEMIA STOSOWANA, CHEMIA JĄDROWA I RADIOFARMACEUTYKI, RADIOGENOMIKA

z dnia 26 listopada 2025 r.

w sprawie zmian w programie studiów na kierunku chemia (Chemistry), studia II stopnia.

Na podstawie § 12 pkt 1 Zarządzenia nr 71 Rektora Uniwersytetu Warszawskiego z dnia 9 kwietnia 2020 r. w sprawie określenia trybu postępowania w sprawach dotyczących utworzenia kierunku studiów oraz zmian w programie studiów na Uniwersytecie Warszawskim (t. j. Monitor UW z 2023, poz. 54), Rada Dydaktyczna Wydziału Chemii postanawia, co następuje:

§ 1

Wyraża się pozytywną opinię w sprawie propozycji zmian w programie studiów II stopnia na kierunku chemia (Chemistry). Wniosek o zmianę w programie studiów stanowi załącznik do uchwały.

§ 2

Uchwała wchodzi w życie z dniem podjęcia.

Przewodniczący Rady Dydaktycznej: M. Chotkowski

PART II

AMENDED PROGRAMME OF STUDIES

Name of the field of study	chemia (Chemistry)
Name of the field of study in English / in the language of instruction	Chemistry
Language of instruction	english
Level of education	Master degree
Level in the PQF	7
Studies profile	general academic
Number of semesters	4
Number of ECTS credits to graduate	120
Form of studies	stationary
Professional title awarded to the graduates (name of the qualification in its original wording, PQF level)	Master degree (higher education, level 7 PRK)
Number of ECTS credits that the student needs to obtain for the classes conducted with direct participation of academic teachers and/or other tutors	98
Number of ECTS credits for the classes in the area of humanities and/or social sciences (not less than 5 ECTS)	5

The studies prepare to practice as a teacher						
Title of the first course:						
Title of the second course:						

Assignment of the field of study to a given area of study and academic disciplines

Area of study	Academic discipline	Percentage share of the academic disciplines	Leading academic discipline (more than a half of the learning outcomes)
Natural and Physical Sciences	Chemical Sciences	100%	Chemical Sciences
Total:	-	100%	-

Learning outcomes defined for the field of study by reference to the descriptors of 2nd degree in the Polish Qualification Framework for qualifications at level 6–7 obtained within the framework of the Higher Education and Science System after obtaining full qualification at level 4 of the PQF

Learning outcomes symbol for the field of study	Learning outcomes	Reference to PQF 2 nd degree descriptors					
Knowledge: the graduate knows and understands							

K_W01	Has an extended knowledge of the place of chemistry within the system of natural and physical sciences, and of its significance for the development of humanity.	P7S_WG
K_W02	Knows the fundamentals of biochemistry and understands the importance of chemical phenomena in processes occurring in living organisms.	P7S_WG
K_W03	Knows the fundamentals of nuclear chemistry and understands the significance of radioactivity in science, technology, and medicine.	P7S_WG
K_W04	Has knowledge of the design and operation of modern measuring instruments used to support scientific research in chemistry.	P7S_WG
K_W05	Possesses advanced knowledge and skills in a selected field of chemistry, enabling independent research work.	P7S_WG
K_W06	Has mathematical knowledge necessary for the quantitative description of chemical phenomena and processes relevant to the given specialization.	P7S_WG
K_W07	Knows, understands, and can independently explain the mathematical description of fundamental chemical phenomena and processes.	P7S_WG
K_W08	Possesses advanced knowledge and skills in computational methods relevant to the given chemical specialization.	P7S_WG
K_W09	Has a good command of at least one software package for symbolic computation and one for statistical data analysis.	P7S_WG
K_W10	Has a good understanding of current trends and recent scientific discoveries in the chosen field of chemistry.	P7S_WG
K_W11	Possesses extended knowledge of occupational safety and health (OSH), particularly safe handling of chemicals, waste selection and disposal, and legal regulations related to chemical safety. Can apply this knowledge responsibly, including performing risk assessment.	
K_W12	Has structured knowledge of legal and ethical conditions related to scientific and teaching activities.	P7S_WK
K_W13	Has basic knowledge of industrial property protection and copyright law, and is able to use patent information resources.	P7S_WK
K_W14	Knows general principles of creating and developing forms of individual entrepreneurship based on chemical knowledge.	P7S_WK
	Skills: the graduate is able to	
K_U01	Is able to use biochemical techniques and apply simple biological processes in chemistry and technology.	P7S_UW
K_U02	Is able to analyze problems in the field of nuclear chemistry and assess its significance and potential risks for society.	P7S_UW
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K_U03	Is able to apply appropriate methods, techniques, and research tools within a given chemical specialization to address a defined problem.	P7S_UW
K_U04	Has the ability to independently plan and conduct experiments within their chemical specialization.	P7S_UW,
K_U05	Has the ability to independently plan and perform theoretical research within their chemical specialization.	P7S_UW,
K_U06	Is able to critically evaluate the results of independently performed theoretical calculations within their chemical specialization.	P7S_UW
K_U07	Is able to critically evaluate the results of independently conducted experiments within their chemical specialization and discuss measurement errors.	P7S_UW
K_U08	Possesses advanced knowledge and skills enabling the use of professional literature, databases, and other information sources, and is able to assess the reliability of the obtained information.	P7S_UW
K_U09	Is able to apply acquired knowledge to related scientific disciplines and work effectively in interdisciplinary teams.	P7S_UW, P7S_UK, P7S_UO
K_U10	Is able to present research results in a self-prepared written report (paper, dissertation) including the aim, methodology, results, and discussion of their significance in comparison with other similar studies.	P7S_UW, P7S_UK
K_U11	Is able to discuss the place of chemistry within the system of natural and physical sciences and its importance for the development of civilization.	P7S_UW, P7S_UK
K_U12	Is able to clearly present, also to non-specialists, the results of major discoveries in chemistry and related sciences.	P7S_UK
K_U13	Is able to independently acquire knowledge and develop professional skills using various (written and electronic) sources, including foreign-language materials.	P7S_UW, P7S_UU
K_U14	Is able to use patent information resources.	P7S_UW, P7S_UK
K_U15	Has advanced skills in preparing written works in Polish or English on selected chemical topics, using basic theoretical approaches and various sources.	P7S_UW, P7S_UK
K_U16	Has the ability to prepare oral presentations in Polish and English on selected chemical topics, using basic theoretical approaches and various sources.	P7S_UW, P7S_UK
K_U17	Has knowledge of English sufficient to use basic professional literature in chemistry and related sciences (at the B2+ level).	P7S_UW, P7S_UK

K_U18	Continuously improves skills in communication, teamwork, organizational leadership, ethical standards, social behavior and attitudes, and individual and social awareness.	P7S_UO, P7S_UU, P7S_KO						
Social competences: the graduate is ready to								
K_K01	Understands the need for and is aware of the possibilities for continuous learning. Is able to independently search for information in the literature (including foreign-language sources) and seek advice from experts.	P7S_KK, P7S_KR,						
K_K02	Is able to work in a team and is aware of the responsibility for tasks performed jointly in a collaborative environment.	P7S_KK, P7S_KO						
K_K03	Has the ability to organize both individual and team work when carrying out shared tasks and projects, and is able to critically assess the progress of such work. Independently undertakes and initiates basic research activities.	P7S_KK, P7S_KR						
K_K04	Recognizes the importance of professional conduct and adheres to professional ethical standards.	P7S_KK, P7S_KR						
K_K05	Is able to formulate opinions on professional issues and justify them in discussions with both specialists and non-specialists.	P7S_KK, P7S_KR						
K_K06	Is able to think and act in a creative and entrepreneurial manner.	P7S_KK, P7S_KO						

EXPLANATIONS

The learning outcomes symbol for the programme of study includes:

- letter K to highlight the fact that the learning outcome refers to the programme of study
- _ (underscore),
- one of the letters W, U and/or K to mark the category of learning outcomes (W knowledge (Polish: wiedza), U skills (Polish: umiejętności), K social competences (Polish: kompetencje społeczne),
- learning outcome number in a given category, written in the form of two digits (precede the digits 1–9 with a 0).

Learning outcomes defined for the specialisation with a reference to the learning outcomes defined for the field of study

(to be completed if a specialisation is provided as part of the field of study; if several specialisations are available, provide a separate table for each of them)

Specialisation name	:	
Symbol of the learning outcomes defined for the specialisation		Symbol of learning outcomes defined for the field of study
	Knowledge: the graduate knows and understands	
	Skills: the graduate is able to	
	Social competences: the graduate is ready to	
_		

EXPLANATIONS

The symbol for the learning outcome defined for the specialisation includes:

- letter S to highlight the fact that the learning outcome refers to the learning outcomes defined for the specialisation (Polish: specjalność),
- _ (underscore),
- one of the letters W, U and/or K to mark the category of the learning outcomes (W knowledge (Polish: wiedza), U skills (Polish: umiejętności), K
 social competences (Polish: kompetencje społeczne),
- learning outcome number in a given category, written in the form of two digits (precede the digits 1–9 with a 0).

Classes and/or groups of classes assigned to a given term of studies

(provide a separate table for each semester/year of studies)

Semester/year of studies: first / I year

		Form	of cla	sses -	- numb	er of l	nours					
Course title	Lecture	Seminar classes	Seminar	Practical classes	Laboratory classes	Workshops	Project work	Other	Total: number of class hours	Total: ECTS points	Programme of study learning outcomes	Academic discipline(s) related to the course
Biochemistry	30				30				60	5	K_W01, K_W02, K_W04, K_W11, K_U01, K_U10	chemical sciences
Course Content	Understanding the molecular basis of functioning of living organisms by familiarizing themselves with the structure of chemical compounds, their components, their transformations, metabolic processes and role in energy processes. Basics of genetics and transmission of genetic information. Acquiring knowledge and skills in the field of laboratory techniques and methods of obtaining and testing biological materials for biochemical information. After completing the course in this subject, the student should know the mechanisms of action and regulation of protein and enzyme activity, learn the basic metabolic processes and mechanisms of their regulation and the processes of expression of genetic information											
Learning outcomes assessment	written	exam,	laborat	ory clas	sses – e	entry tes	st, writte	en test				

Nuclear Chemistry	30			30				60	5	K_W03, K_W08, K_W10, K_W11, K_U02, K_U08, K_U10	chemical sciences
Course Content	reaction chemic As par	ons, the o stry, biol rt of the l	effects of nuc ogy, medicin aboratory, st	clear rad e and in udents a	iation int dustry. icquire s	eractionskills in	on with i	matter, rad g with radi	diometry, co	•	otopic methods used in ne familiar with basic
Learning outcomes assessment	writter	n exam									
Crystallography	10			20				30	3	K_W10, K_U08, K_U09, K_U12, K_U13, K_U16, K_U17	chemical sciences
Course Content	The aim of the lecture is to present the information that will allow students to use and understand scientific literature on the structures of small molecules determined by X-ray diffraction. The basic information about the structure of crystals, symmetry and its properties, properties of X-rays and diffraction theories are presented. The aim of the laboratory is to familiarize students with X-ray structural analysis and sample preparation methods. Students learn about both the equipment and software used in the crystallographic laboratory. Interpretation of the crystal and molecular structure based on crystallographic databases. Analysis of obtained data and analysis of structural data based on crystallographic databases is also practiced.										
Learning outcomes assessment			aboratory cla					<u> </u>		<u> </u>	

Physical chemistry	30		30		60	4,5	K_W10, K_U07, K_K01	chemical sciences				
Course Content	interfa	Lecture: The aim of the lecture is to deepen the student's knowledge of thermodynamics, chemical kinetics, and interfacial electrochemistry, as well as the models describing the phenomena involved. Laboratory: The exercises are intended to illustrate the content discussed during the lecture.										
Learning outcomes assessment	writter	written exam, laboratory classes - entrance test, reports										
Instrumental analysis	15		30		45	4,5	K_W04, K_U07, K_K02	chemical sciences				
Course Content	Instrumental Analysis is a course devoted to the measurement capabilities of modern analytical methods using various instrumental, spectral, and electrochemical techniques, often combined with prior chromatographic separation. Instrumental methods are widely used in chemical laboratories related to industry, as well as in clinical, environmental, and food analysis research. The Laboratory is dedicated to the practical use of discussed during lecture modern instrumental analysis techniques in the research of selected objects.											
Learning outcomes assessment	writter	n exam, labora	tory classes - en	trance test, r	eports							
Organic Chemistry	30				30	3	K_W05, K_W10, K_K01	chemical sciences				
Course Content		The lecture aims to provide the student with in-depth knowledge of the main types of organic compounds, classified according to their characteristic functional groups, methods of their synthesis, reactivity, and reaction mechanisms.										
Learning outcomes assessment	writter	n exam										

Data analysis	15								15	1	K_W06, K_W07, K_W09, K_U06,	chemical sciences
Course Content	The cla	asses a	im to dee	epen the	e stud	ent's kr	nowledg	je of me	ethods for	describing	and presenting e	experimental data.
Learning outcomes assessment	The co	ourse is	passed b	pased o	on a fir	al test	at the e	end of th	ne course.			
Molecular spectroscopy	15			1	15				30	3	K_W04, K_W10, K_U04, K_U07, K_K01	chemical sciences
Course Content	preser	m of the nt mode	ls describ	ing the	phen	omena	used in	spectr	oscopy.		nental spectrosco	pic techniques and to
Learning outcomes assessment			en exam ased on e	entry qu	uizzes,	partici	oation d	luring c	lasses, an	ıd laborato	ry reports.	
Occupational health and safety	4								4	0,5	K_W11	
Course Content	univers Hazard practic	sity, res ds: cher es: OH	ponsibilit nical sub S during	ies of s stances student	student s and t labor	ts, accio prepara atory cl	dents du ations, h asses;	uring st narmful handlin	udent acti factors pro g chemica	vities. First esent at th al substand	e Faculty of Chen ses and preparation	edical assistance.
Learning outcomes assessment	Test, c	ourse o	credit									

Introduction to intellectual property management	4				4	0,5	K_W11, K_W12, K_W13, K_W14, K_U14, K_K04, K_K05	Legal sciences
Course Content	During the lecture - definition of law, - review of legal a - copyright and re - trademark - defi - the patent, desig - competition law - IP management a	sources of law cts regarding the lated rights - de nitions, procedu gn - definitions, and consumer	r, intellectua ne protection efinitions, pures, protect procedures protection l	al proper on of IP rocedure tion s, protect	ty (IP). es, protection		s, protection	
Learning outcomes assessment	written exam							

Total number of ECTS credits (per year/semester):30

Total number of class hours (per year/semester): 338

Semester/year of studies: second / I year

			Form	of cla	sses -	- numb	er of h	nours					
Course title		Lecture	Seminar classes	Seminar	Practical classes	Laboratory classes	Workshops	Project work	Other	Total: number of class hours	Total: ECTS points	Programme of study learning outcomes	Academic discipline(s) related to the course
Spectroscopic Identification of Orga Compounds	nic	15				30				45	4,5	K_W05, K_U03, K_U08, K_U13, K_K01	chemical sciences
Course Content		charac	terizati	on of or	ganic n	nolecule	s. Lect	ures wi	ll emph	asize the p	oractical as		sed in the while proseminars will sing levels of difficulty.
Learning outcomes assessment		1	e: Exan minar: p	า อลรร wit	h a grad	de							
Organic Synthesis	Α					60				60	6	K_W05, K_W10, K_U03,	chemical sciences
- Laboratory	В					90				90	9	K_U08, K_U13, K_K02, K_K03	
Course Content													organic synthesis and the labs reflect the

	resear topics.		ducted in	n the re	esearch	groups	. Durino	g the la	bs, stud	lents perfor	m selected exercise	es from a proposed list of		
Learning outcomes assessment	Pass v	vith a g	rade											
Enviromental analysis	15	15 30 45 4,5 K_W04, chemical sciences K_W05, K_W10; K_U03, K_U06, K_U11, K_K01, K_K04												
Course Content	and re Devel resea conce Labor Carryi using	rstandii elevant oping t rch obj ept of el atory: ing out selecte	standa he abil ectives nvironm labora ed analy	ords). ity to control and tory expressions.	design monito bankin xercise echniqu	a moniring (ir g. es in thues. Ac	itoring ncludin e follov Iditiona	schem g bion wing a ally, be	ne and nonitori reas: fi coming	to select ang) needs	appropriate analytes, as well as bed ing, sample deco	ance with good practice ical procedures to meet coming familiar with the mposition, and analysis of procedure validation		
Learning outcomes assessment		re: oral atory: e	exam entranc	e tests	and re	eports			·					
Physicochemistry of new materials	20								20	2	K_W05, K_U03 K_U12, K_K05	chemical sciences		
Course Content		, modif										ted to investigations, vel organic and inorganic		

Learning outcomes assessment	writter	n exam										
Polymers and their contemporary applications	15				30				45	4,5	KW_04, K_U07	chemical sciences
Course Content	and polym	m of the	nanocor echnolog	mposite gy and	es, as w everyda	ell as m ay life.	ethods	of ider	ntification	n, processir		nopolymers, copolymers, the applications of
Learning outcomes assessment			en exan ased or		quizzes	and lat	oratory	/ report	S.			
Students' Project I *					75				75	6	K_W04, _W05, K_U03, K_U07, K_U08, K_U10, K_K01, K_K02, K_K04	chemical sciences
Course Content			intende as that a						work wi	thin a team	of scientists. The p	project topics reflect the
Learning outcomes assessment	The co	ourse is	passed	d on the	basis o	of a rep	ort sum	marizir	ng the co	ompleted pr	roject.	
General university courses ^{\$}									30	2,5		
Course Content	related	l to thei	r field o	of study	, corres	ponding	g to thei	ir indiv	idual int	-	eds, and to acquire	scientific areas not or improve competencies

	University-wide courses contribute to achieving learning outcomes in the area of general skills, e.g., independent planning and undertaking lifelong learning, and, depending on the student's choice, may also contribute to learning outcomes in the area of knowledge, e.g., understanding selected fundamental dilemmas of contemporary civilization, or in the area of social competences, e.g., readiness to fulfill social responsibilities, co-organize activities for the benefit of the community, or think and act in an entrepreneurial manner.
Learning outcomes assessment	

• The project cannot be part of master's thesis

\$ During studies, the Student is required to obtain: no less than 6 ECTS and no more than 8 ECTS for subjects not related to the field of study (general university courses), including general university courses in the humanities or social sciences at a minimum of 5 ECTS.

Total number of ECTS credits (per year/semester):30

Total number of class hours (per year/semester): 320

Semester/year of studies: third / II year

		Form	of cla	sses -	- numb	er of h	nours					
Course title	Lecture	Seminar classes	Seminar	Practical classes	Laboratory classes	Workshops	Project work	Other	Total: number of class hours	Total: ECTS points	Programme of study learning outcomes	Academic discipline(s) related to the course
Master Seminar I (oral presentation)	30								30	3	K_W01, K_W10, K_W12 K_U03, K_U07, K_U08, K_U09, K_U11, K_U12, K_U13, K_U16, K_U16, K_KU17, K_K_K01, K_K02, K_K04, K_K03, K_K05, K_K06	chemical sciences
Course Content											rning their Maste earch group (labe	er projects and are pratory).

Learning outcomes assessment	Presentation												
Master,s Laboratory I				1	20				120	10	K_W01, K_W05, K_W09, K_W10, K_W11, K_W12 K_U03, K_U04, K_U05, K_U06, K_U11, K_U17, K_U11, K_U13, K_U15, K_U17, K_U18 K_K01, K_K02, K_K04, K_K03, K_K05, K_K0	chemical sciences	
Course Content	Prelim comple simula	ete preli	ientific r minary v	esearch work con	necess nected	ary for with th	⁻ prepa neir Ma	ration o	of a mast oject. Thi	er projec s include	t. In the course of es necessary expen	the laboratory students riments and computer	
_earning outcomes assessment	projec	t											

Students' Project II *				75			75	6	K_W04, _W05, K_U03, K_U07, K_U08, K_U10, K_K01, K_K02, K_K04	chemical sciences
Course Content					e student ir o the resea		work with	in a team	of scientists. The	project topics reflect the
Learning outcomes assessment	The co	ourse is	passed on	the basis	of a report s	ummarizii	ng the cor	npleted pr	oject.	
Electives **	75						75	7		chemical sciences
Course Content				_	acquired de the fundam	-	•		riculum subjects, ne	cessary for pursuing the
Learning outcomes assessment	Depen	ding on t	he chosen c	ourse						
General university courses ^{\$}							45	4		
Course Content	related such a Unive and un area o social	d to their is social; rsity-windertaking f knowle compet	r field of sto entreprene de courses ng lifelong edge, e.g., t	udy, corres curial, digit contribute learning, a understand readiness t	ponding to al, and thos to achieving nd, dependi ing selected to fulfill soc	their indiversity in the supporting learning on the fundamen	idual intended in intended in its intended in	rests or ne en transiti in the area choice, ma mas of cor	eds, and to acquire on. a of general skills, ay also contribute t ntemporary civiliza	e.g., independent planning of learning outcomes in the tion, or in the area of benefit of the community,

Learning outcomes assessment

- * The project cannot be part of master's thesis
- ** Elective courses selected by the student (from the list of monographic and specialization lectures available in English given on Website of Department of Chemistry, updated each academic year).
- \$ During studies, the Student is required to obtain: no less than 6 ECTS and no more than 8 ECTS for subjects not related to the field of study (general university courses), including general university courses in the humanities or social sciences at a minimum of 5 ECTS.

Total number of ECTS credits (per year/semester):30

Total number of class hours (per year/semester): 345

Semester/year of studies: fourth / II year

		Form	of cla	sses -	- numb	er of h	nours					
Course title	Lecture	Seminar classes	Seminar	Practical classes	Laboratory classes	Workshops	Project work	Other	Total: number of class hours	Total: ECTS points	Programme of study learning outcomes	Academic discipline(s) related to the course
Master Seminar II (oral presentation)	30								30	3	K_W01, K_W10, K_W12 K_U03, K_U07, K_U08, K_U09, K_U11, K_U12, K_U13, K_U16, K_U16, K_K01, K_K01, K_K01, K_K03, K_K03, K_K05, K_K06	chemical sciences
Course Content					ar stud search				Master pr	ojects an	d are acquainted	d with other projects

Learning outcomes assessment	Preser	ntation										
Master,s Laboratory II					240				240	20	K_W01, K_W05, K_W09, K_W10, K_W11, K_W12 K_U03, K_U04, K_U05, K_U06, K_U11, K_U11, K_U11, K_U11, K_U13, K_U15, K_U15, K_U17, K_U18 K_K01, K_K02, K_K04, K_K03, K_K05, K_K06	chemical sciences
Course Content	In the simula		of the la	borator	y stude	ents wo	rk on th	eir Mas	ster proje	ct. This ir		experiments and computer
Learning outcomes assessment	projec	İ										

Electives **	75					75	7		chemical sciences
Course Content	Extension a student's ch							culum subjects, nec	essary for pursuing the
Learning outcomes assessment	Depending	on the chos	en cours	e					

^{**} Elective courses selected by the student (from the list of monographic and specialization lectures available in English given on Website of Department of Chemistry, updated each academic year).

Total number of ECTS credits (per year/semester):30

Total number of class hours (per year/semester): 345

Classes and/or groups of classes as part of the specialisation assigned to a given term of studies

(the table refers to the field of study at which the specialisation is being conducted; provide a separate table for each semester/year of studies and for each specialisation

Semester/Year of studies: first (in words)

		Form	of cla	sses -	- numb	er of h	nours						
Course title	Lecture	Seminar classes	Seminar	Practical classes	Laboratory classes	Workshops	Project work	Other	Total: number of class hours	Total: ECTS points	Learning outcomes for the specialisation	Academic discipline(s) related to the course	
Courses common for all the specialisations													
Course A title(classes and/or a group of classes)													
Course content													
Assessment of learning outcomes	E.g. oral exam, written exam, test, essay, project, annual thesis, diploma thesis												
Course B title (classes and/or a group of classes)													

Course content											
Assessment of learning outcomes	E.g. oral exam, written exam, test, essay, project, annual thesis, diploma thesis										
			Co	ourses pei	tinent	for a give	n specia	lisation			
Course C title (classes and/or a group of classes)											
Course content											
Learning outcomes assessment	E.g. o	ral exan	n, written (exam, test,	essay, p	project, anni	ıal thesis,	diploma th	esis		
Course D title (classes and/or a group of classes)											
Course content											
Learning outcomes assessment	E.g. o	ral exan	n, written	exam, test,	essay, p	oroject, anni	ıal thesis,	diploma th	esis		

Total number of ECTS credits (in a year/semester):

Total number of class hours (per year/semester):

Total number of class hours specified in the programme of study for every field of study, level and profile (for the entire cycle):

Percentage share of the number of ECTS credits in the total number of credits for each of the disciplines the field of study has been assigned to.

Area of study	Academic discipline	Percentage share of the number of ECTS credits in the total number of ECTS credits for each academic discipline		