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code

Chemistry/Master Programme "Polymers" (part-time)

academic year beginning from 2015/2016

№	Course code	Course title	Type - C, E, O	Term	ECTS credits	Total number of classes				Classes weekly	Type of grading* e, ca, m, a
						Total	Lectures	Seminars	Practical classes/practice		
1	2	3	4	5	6	7	8	9	10	11	12

Core courses

1	C 0 1 5	Macromolecular engineering	C	1	6	180	30	0	15	3	e
2	C 0 2 5	Polymer blends, composites and nanocomposites	C	1	4	120	20	0	10	2	e
3	C 0 3 6	Physical methods for characterization of polymers and polymer materials	C	1	6	180	30	0	15	3	e
4	C 0 4 5	Phase and relaxation transitions in polymers	C	2	6	180	30	0	15	3	e
5	C 0 5 5	Theory and computer modeling of polymer systems	C	2	5	150	30	15	0	3	e
6	C 0 6 5	Biopolymers	C	3	4	120	20	0	10	2	e
7	C 0 7 6	Polymer fibers, films, membranes and liquid crystals	C	3	6	180	30	0	15	3	e
8	E 1 1 4	Electro- and photoactive polymers	E	3	5	150	30	0	15	3	e

Elective courses – min 12 ECTS credits

1	E 0 1 4	High modulus and high strength polymers	E	1	3	90	20	0	10	2	e
2	E 0 2 4	Polymer solutions, networks and gels	E	1	3	90	20	0	10	2	e
3	E 0 3 4	Rheology and processing of polymers	E	1	3	90	20	0	10	2	e

По решение на ФС извънаудиторната заетост е минимум 50% от общата заетост на студентите

 форма на оценяване:
 и-изпит, то-текуща оценка,
 ки-комбинирано изпитване,
 прод.- продължава в сл. семестър

4	E	0	4	4	Water-soluble polymers and polyelectrolytes	E	2	3	90	20	0	10	2	e
5	E	0	5	4	Destruction, stabilization, and recycling of polymers	E	2	3	90	20	0	10	2	e
6	E	0	6	4	Bioactive, biocompatible, and medico pharmaceutical polymers	E	2	3	90	20	0	10	2	e
7	E	0	7	4	Polymers from biorecyclable sources	E	3	3	90	20	0	10	2	e
8	E	0	8	4	Element organic polymers	E	3	3	90	20	0	10	2	e
9	E	0	9	4	Organic and nonorganic hybrid polymers	E	3	3	90	20	0	10	2	e
10	E	1	0	4	Thermal analysis	E	3	3	90	20	0	10	2	e

Study internships and projects

№	код				Internship title	Type - C, E, O	Semester	ECTS credits	Weeks	Academic hours	Type of course completion
1	P	0	1	4	Project	C	1	4	15	120	ca
2	P	0	2	5	Laboratory practicum	C	2	5	15	150	ca
3	P	0	3	4	Pre-thesis practicum 1	C	3	4	15	120	ca
4	P	0	4	0	Pre-thesis practicum 2	C	4	8	15	240	ca

Degree completion

Form of degree completion	ECTS - credits	exam/thesis defence session	exam/thesis defence session
Master thesis or State-acknowledged Final examination	15	June-July	September-Oktober

The curriculum has been approved by the Faculty Council, Record of Proceedings № 6/16.12.2014

Dean:.....

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форма на оценяване:
и-изпит, то-текуща оценка,
ки-комбинирано изпитване,
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SOFIA UNIVERSITY "ST. KL. OHRIDSKI"

Reference for a master programme

Chemistry/Master Programme "Polymers"

Part-time education, four semesters

Number of in-class teaching load, ECTS-credits and semester grades																														
Type of activity	I семестър			II семестър			III			IV			V			VI			VII			VIII			IX			Total		
	Number of classes	ECTS – credits	Number of grades	Number of classes	ECTS – credits	Number of grades	Number of classes	ECTS – credits	Number of grades	Number of classes	ECTS – credits	Number of grades	Number of classes	ECTS – credits	Number of grades	Number of classes	ECTS – credits	Number of grades	Number of classes	ECTS – credits	Number of grades	Number of classes	ECTS – credits	Number of grades	Number of classes	ECTS – credits	Number of grades			
Compulsory courses	120	16	3	90	11	2	120	15	3																			330	42	8
Min. of elective courses	30	3	1	60	6	2	30	3	1																			120	12	4
Teaching practices	60	4	1	75	5	1	60	4	1	120	8	1																315	21	4
Total:	210	23	5	225	22	5	210	22	5	120	8	1															765	75	16	

Form of degree completion	ECTS – credits	Number of preparatory classes	First state exam/thesis defence session	Second state exam/thesis defence session
Master thesis	15		June-July	September-October

Professional Qualification: MASTER IN CHEMISTRY - POLYMERS

Faculty Council, Record of Proceedings № 6/16.12.2014

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