

UNIVERSITY OF PLOVDIV "PAISII HILENDARSKI"
FACULTY OF CHEMISTRY

CONFIRM:

Dean:

(Assoc. Prof. K. Kunchev)

Rector:

(Full Prof. I. Kutsarov)

Faculty Board Minutes № 54 / 11. 11. 2002

Academic Board Minutes № 21 / 02. 12. 2002

CURRICULA

AREA OF HIGHER EDUCATION:	Chemical Sciences
PROFESSIONAL STREAM:	Chemistry (4.2)
SPECIALITY:	Chemistry
DEGREE:	Bachelor
PROFESSIONAL QUALIFICATION:	Chemist
MODE OF STUDY:	Full-time
DURATION OF PROGRAM:	4 years

Discipline	Type	Hours per week L / S / Pc	CH	ST	Total	TA	ECTS
FIRST ACADEMIC YEAR							
<u>I semester</u>							
1. Linear Algebra and Analytical Geometry	C	2 / 2 / 0	60	90	150	E	5
2. General and Inorganic Chemistry - I	C	4 / 0 / 7	165	285	450	E	15
3. Mathematical Analysis – I	C	2 / 2 / 0	60	90	150	E	5
4. Stoichiometry – I	C	0 / 0 / 2	30	30	60	CA	2
5. English	C	0 / 2 / 0	30	30	60	CA	2
6. Sport	C	0 / 0 / 2	30	0	30	-	1
Total:		25	375		900		30
Discipline	Type	Hours per week L / S / Pc	CH	ST	Total	TA	ECTS

Abbreviations:

Type: C – compulsory; E – elective; F – facultative

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ECTS – credits

		week L / S / Pc					
<u>II semester</u>							
1. General and Inorganic Chemistry - II	C	4 / 0 / 7	165	255	420	E	14
2. Mathematical Analysis - II	C	2 / 2 / 0	60	90	150	E	5
3. General Physics - I	C	2 / 1 / 3	90	120	210	E	7
4. Stoichiometry – II	C	0 / 0 / 2	30	30	60	CA	2
5. Facultative Course	F	0 / 0 / 2	30	0	30	CA	1
6. Sport	C	0 / 0 / 2	30	0	30	CA	1
Total:		27	405		900		30
SECOND ACADEMIC YEAR							
<u>III semester</u>							
1. General Physics - II	C	3 / 0 / 3	90	90	180	E	6
2. Analytical Chemistry - I	C	3 / 0 / 6	135	195	330	E	11
3. Structure of the Substance	C	2 / 2 / 0	60	90	150	E	5
4. Metrology and Statistic in Chemistry	C	1 / 0 / 2	45	75	120	E	4
5. Computer Chemistry	C	2 / 0 / 2	60	60	120	CA	4
Total:		26	390		900		30
<u>IV semester</u>							
1. Analytical Chemistry - II	C	3 / 0 / 7	150	210	360	E	12
2. Physical and Colloids Chemistry – I	C	4 / 0 / 6	150	210	360	E	12
3. Instrumental Methods of Analysis – I	C	3 / 0 / 3	90	90	180	E	6
Total:		26	390		900		30
THIRD ACADEMIC YEAR							
<u>V semester</u>							
1. Organic Chemistry – I	C	5 / 1 / 7	195	195	390	E	13
2. Physical and Colloids Chemistry – II	C	4 / 0 / 6	150	150	300	E	10
3. Instrumental Methods of Analysis – II	C	3 / 0 / 3	90	120	210	E	7
Total:		29	435		900		30

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Discipline	Type	Hours per week L / S / Pc	CH	ST	Total	TA	ECTS
<u>VI semester</u>							
1. Organic Chemistry - II	C	5 / 1 / 7	195	345	540	E	18
2. Inorganic Chemical Technology	C	3 / 0 / 4	105	165	270	E	9
3. Practical Internship – ICT	C	0 / 0 / 2	30	60	90	CA	3
Total:		22	330		900		30
FOURTH ACADEMIC YEAR							
<u>VII semester</u>							
1. Biochemistry	C	3 / 0 / 4	105	135	240	E	8
2. Organic Chemical Technology	C	3 / 0 / 4	105	135	240	E	8
3. Environmental Chemistry	C	2 / 0 / 2	60	60	120	E	4
4. Practical Internship – OCT	C	0 / 0 / 2	30	30	60	CA	2
5. Elective Course – group A	E	2 / 0 / 0	30	30	60	CA	2
6. Elective Course – group A	E	2 / 0 / 0	30	30	60	CA	2
7. Elective Course – group B	E	2 / 0 / 0	30	30	60	CA	2
8. Elective Course – group B	E	2 / 0 / 0	30	30	60	CA	2
Total:		28	420		900		30
<u>VIII semester</u>							
1. High-Molecular Weight Compounds	C	2 / 0 / 2	60	90	150	E	5
2. Elective Course – group A	E	2 / 0 / 0	30	30	60	CA	2
3. Elective Course – group A	E	2 / 0 / 0	30	30	60	CA	2
4. Elective Course – group B	E	2 / 0 / 0	30	30	60	CA	2
5. Elective Course – group B	E	2 / 0 / 0	30	30	60	CA	2
6. Facultative Course	F	2 / 0 / 0	30	30	60	CA	2
Total:		14	210				15
Total for study:		197	2955				225
State exam / Defence of a thesis paper:							15
TOTAL:		197	2955				240

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ELECTIVE COURSES *:

Group A:

1. Coordination chemistry
2. Application of the radioactive indicators
3. Bioinorganic chemistry
4. Applied inorganic chemistry
5. Applied analytical chemistry
6. Applied electrochemistry
7. Colloid chemistry
8. Environmental catalysis
9. Chemical industry in Bulgaria
10. Geochemistry

Group B:

1. Bioorganic chemistry
2. Chemistry of toxic compounds
3. Photochemistry
4. Applied organic chemistry
5. Physical organic chemistry
6. Chemistry of heterocycles
7. Chemistry of drugs
8. Chemistry of organic compounds in perfumes and cosmetics
9. Contemporary chromatography methods
10. Chemistry of food products

FACULTATIVE COURSE *:

Computer literacy, History of chemistry, Language, Philosophy

* - Each year are endorsed by the Faculty Board

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