HELLENIC REPUBLIC
UNIVERSITY OF PATRAS

SCHOOL of NATURAL SCIENCES
DEPARTMENT of CHEMISTRY
UNIVERSITY CAMPUS, 26504, PATRAS, Greece.
Email: secretary@chemistry.upatras.gr url: http://www.chem.upatras.gr/

DIPLOMA SUPPLEMENT

This Diploma Supplement is based on the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original accompanying qualification to which this supplement is appended. It should be free from any value judgments, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

1.1 Family Name(s)	1.2 Given Name(s)
PAPAIOANNOU	OLGA
1.3 Student identification number or code	
1073697	
1.4 Date of birth (day/month/year)	**1.5 Place, Country of Birth**
01 03 2001	AMAROUSIO ATTIKIS-Greece

2. INFORMATION IDENTIFYING THE QUALIFICATION

2.1 Name of the qualification and (if applicable) title conferred (in original language):	2.2 Main field(s) of study for the qualification:
Bachelor of Science in Chemistry (Ptychio Chimias)	Chemistry
2.3 Name and status of awarding institution (in original language):	**2.4 Name and status of institution (if different from 2.3) administering studies (in original language) :**
University of Patras (HEI), Public University (Panepistimio Patron)	
2.5 Language(s) of instruction/examination:	
Greek	

3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

3.1 Level of qualification	3.2 Official length of programme
1st cycle	4 Academic Years (8 Semesters, 240 ECTS)
3.3 Access requirement(s):	
Upper secondary degree (6 years of studies)	

4. INFORMATION ON THE CONTENT AND RESULTS GAINED

4.1 Mode of study
Full - Time Attendance

4.2	**Programme requirements**
	In order to qualify for graduation, a student must follow a program of lectures, seminars and laboratory courses structured as follows. The first 6 semesters include 23 compulsory courses and 2 elective non- chemistry courses. In the last two semesters (7th and 8th) students take 5 semi-elective courses and 3 elective chemistry courses and must complete successfully an Undergraduate Experimental Project ("Ptychiaki Ergasia") of 2 semesters duration, for which 20 ECTS Credits are assigned. This project includes hands-on research activity followed by a written Thesis and oral examination. The Undergraduate Experimental Project may be replaced by a written extended review (in the form of a review article) on a theme related to chemistry followed by an oral examination. 5 ECTS Credits are assigned to this Undergraduate Theoretical Project. The remaining 15 ECTS credits are, in this case, replaced by semi-elective or elective chemistry courses. The undergraduate chemistry program of the Department of Chemistry aims at training scientists to (1) study and comprehend the principles, concepts and theories of Chemistry (from the atomic and molecular level up to the various industrial applications) and (b) interact with scientists from other disciplines in order to face interdisciplinary challenges. Furthermore, the knowledge and skills acquired from the Chemistry program enable graduates to pursue professional careers in a variety of sectors such as Education, Health, Environment, Food, New Materials, Quality Control, and Sustainable development. The Undergraduate Experimental Project enables graduates to: 1) apply their knowledge and skills, 2) search, analyze and compose data and information using the appropriate methodology, 3) adapt to new situations and make serious decisions, 4) work individually or within groups, 5) develop critical thinking and self-evaluation skills.
4.3	**Programme details: (e.g. modules or units studied), and the individual grades/marks/credits obtained:** Courses that the student has successfully attended, as well as courses for which the student has received recognition or exemption are as follows: (C: Compulsory courses, E: Elective courses, NC: Non-Chemical courses, SE: Semi-Elective courses)

CODE	COURSES	TYPE	Semester	ECTS Credits	Grade	Examination Period	ECTS Grading
CHE_BI121	GENERAL BIOLOGY	C	1	5	6,5	Resit Period 2020-21	C
CHE_MA102	MATHEMATICS FOR CHEMISTS	C	1	5	5,0	Fall Semester 2020-21	D
CHE_PH111	PHYSICS FOR CHEMISTS	C	1	5	8,0	Resit Period 2022-23	A
CHE_XA127	INTRODUCTION TO INORGANIC CHEMISTRY	C	1	5	6,5	Fall Semester 2019-20	C
CHE_XA131	CHEMISTRY AND INFORMATICS	C	1	5	8,0	Fall Semester 2019-20	C
CHE_XO101	STRUCTURE, REACTIVITY AND MECHANISM IN ORGANIC CHEMISTRY	C	1	5	8,0	Resit Period 2019-20	B
CHE_XA222	INORGANIC CHEMISTRY-1 (CHEMISTRY OF THE REPRESENTATIVE ELEMENTS)	C	2	10	6,0	Spring Semester 2019-20	C
CHE_XA232	PHYSICAL CHEMISTRY 1	C	2	5	5,0	Spring Semester 2020-21	D
CHE_XE251	ANALYTICAL CHEMISTRY-1	C	2	10	6,5	Spring Semester 2020-21	C
CHE_XO202	ORGANIC CHEMISTRY OF FUNCTIONAL GROUPS-I	C	2	5	5,0	Resit Period 2019-20	D
CHE_XA323	INORGANIC CHEMISTRY-2 (CHEMISTRY OF FIRST-ROW TRANSITION METALS AND COORDINATION CHEMISTRY)	C	3	10	5,5	Resit Period 2021-22	D
CHE_XA339	PHYSICAL CHEMISTRY-2	C	3	5	5,0	Fall Semester 2020-21	D
CHE_XE353	INSTRUMENTAL CHEMICAL ANALYSIS-1	C	3	5	7,5	Fall Semester 2020-21	C
CHE_XE356	ANALYTICAL CHEMISTRY-2	C	3	5	6,5	Fall Semester 2020-21	D
CHE_XO303	ORGANIC CHEMISTRY OF FUNCTIONAL GROUPS-II	C	3	5	8,0	Fall Semester 2020-21	C
CHE_XA434	PHYSICAL CHEMISTRY-3	C	4	10	7,5	Spring Semester 2021-22	C
CHE_XE454	INSTRUMENTAL CHEMICAL ANALYSIS-2	C	4	10	6,0	Spring Semester 2020-21	C
CHE_XO404	SPECTROSCOPY OF ORGANIC COMPOUNDS # EXPERIMENTAL ORGANIC CHEMISTRY-1	C	4	5	6,0	Spring Semester 2020-21	D
CHE_XO405	CHEMISTRY OF HETEROCYCLIC COMPOUNDS AND BIOMOLECULES	C	4	5	7,5	Resit Period 2020-21	B
CHE_XA527	INORGANIC CHEMISTRY-3 (CHEMISTRY OF 2ND AND 3RD ROW METALS AND THE LANTHANIDES)	C	5	5	7,0	Fall Semester 2021-22	B
CHE_XA538E	EXPERIMENTAL PHYSICAL CHEMISTRY-2	C	5	5	6,5	Resit Period 2021-22	C
CHE_XE581	PRINCIPLES OF CHEMICAL TECHNOLOGY	C	5	5	7,0	Resit Period 2021-22	B
CHE_XO508E	EXPERIMENTAL ORGANIC CHEMISTRY-2	C	5	5	7,5	Fall Semester 2021-22	B
CHE_XO506Θ	SYNTHETIC ORGANIC CHEMISTRY	C	5	5	5,5	Resit Period 2022-23	D
CHE_XO512	BIOCHEMISTRY-1	C	5	5	6,5	Fall Semester 2021-22	C

CODE	COURSES	TYPE	Semester	ECTS Credits	Grade	Examination Period	ECTS Grading
CHE_XE681E	LABORATORY TRAINING IN CHEMICAL TECHNOLOGY	C	6	5	7,5	Spring Semester 2021-22	D
CHE_XE682	FOOD CHEMISTRY	C	6	5	5,5	Spring Semester 2022-23	D
CHE_XO612E	EXPERIMENTAL BIOCHEMISTRY	C	6	5	8,5	Spring Semester 2021-22	B
CHE_XO612Θ	BIOCHEMISTRY-2	C	6	5	5,5	Spring Semester 2022-23	D
CHE_XE671	MATERIALS CHEMISTRY AND TECHNOLOGY (POLYMERS, NANOMATERIALS, COLLOIDS, CATALYSTS)	SE	6	5	6,0	Resit Period 2021-22	D
CHE_XE691	ENVIRONMENTAL CHEMISTRY	SE	6	5	5,0	Spring Semester 2021-22	E
CHE_EX704	EXPERIMENTAL DIPLOMA THESIS-1 (EDT-1)	C	7	6	10,0	Resit Period 2022-23	A
CHE_EX705	EXPERIMENTAL DIPLOMA THESIS-2 (EDT-2)	C	7	6	10,0	Resit Period 2022-23	A
CHE_ΠΠΕ*	EXPERIMENTAL DIPLOMA THESIS	C	7	0	10,0	Resit Period 2022-23	A
CHE_XA726	CHEMISTRY OF ORGANOMETALLIC COMPOUNDS AND MECHANISMS OF INORGANIC REACTIONS	E	7	4	8,5	Fall Semester 2022-23	C
CHE_XA756	QUALITY CONTROL IN ANALYTICAL CHEMISTRY	E	7	4	9,5	Fall Semester 2022-23	B
CHE_XE783	NATURAL PROCESSES OF CHEMICAL TECHNOLOGY	SE	7	5	6,0	Fall Semester 2022-23	D
CHE_XE784	CHEMICAL PROCESSES OF CHEMICAL TECHNOLOGY	SE	7	5	10,0	Fall Semester 2022-23	B
CHE_EX804	EXPERIMENTAL DIPLOMA THESIS-3 (EDT-3)	C	8	9	10,0	Resit Period 2022-23	A
CHE_EX805	EXPERIMENTAL DIPLOMA THESIS-4 (EDT-4)	C	8	3	10,0	Resit Period 2022-23	A
CHE_XA839	COMPUTATIONAL CHEMISTRY, THEORETICAL SPECTROSCOPY AND MOLECULAR DESIGN	E	8	4	9,5	Spring Semester 2022-23	P
CHE_XE885	POLYMER SCIENCE	E	8	4	10,0	Spring Semester 2022-23	B
CHE_XΠ786	INDUSTRIAL PLACEMENT	E	8	4	10,0	Resit Period 2022-23	C
CHE_AN841	DIDACTICS OF NATURAL SCIENCES	NC	8	3	8,5	Spring Semester 2022-23	B
CHE_OI832	BUSINESS ADMINISTRATION FOR ENGINEERS AND SCIENTISTS	NC	8	3	10,0	Spring Semester 2022-23	P
	AVERAGE GRADE				**7,28**		
	TOTAL ECTS units			**240**			

1. The required ECTS credits to graduate from the Department of Chemistry: 240 ECTS units.
2. The Undergraduate Experimental Project is carried out in the two last semesters of studies, corresponds to 20 ECTS credits and is graded after its completion. The Undergraduate Theoretical Project is carried out either in the 7th or the 8th semester of studies and corresponds to 5 ECTS credits.
3. The Practical Placement is optional.
4. ECTS grading, according to the Φ 5/89656/B3/2007 Ministerial Decision, is based on a sample of a minimum of 100 students. When the sample is insufficient, the characterization P (Pass) is noted.

4.4 Grading scheme and, if available, grade distribution guidance

8.50 - 10.00	ΑΡΙΣΤΑ (ARISTA) - EXCELLENT
6.50 - 8.49	ΛΙΑΝ ΚΑΛΩΣ (LIAN KALOS) # VERY GOOD
5.00 - 6.49	ΚΑΛΩΣ (KALOS) - GOOD

Minimum passing grade: 5.00

ECTS Grading

10%	A
25%	B
30%	C
25%	D
10%	E

4.5 Overall classification (in original language)

7,28 <<ΛΙΑΝ ΚΑΛΩΣ>> (VERY GOOD)

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study		5.2 Professional status (if applicable)	
	Access to postgraduate studies (2nd and 3rd cycle)		The graduate of the Department of Chemistry can be professionally occupied with every aspect regarding the theory and the applications of the Science of Chemistry including: General Chemistry, Analytical Chemistry, Organic Chemistry, Physical Chemistry, Industrial Chemistry, Biochemistry, Environmental Chemistry, Food Chemistry, Materials Chemistry, Clinical Chemistry and Chemical Technology. The professional rights of chemists are determined in the laws 3518/1928 and 6129/1934

6. ADDITIONAL INFORMATION

6.1 Additional information		6.2 Further information sources	
			University of Patras: http://www.upatras.gr Department of Chemistry: http://www.chem.upatras.gr/el/ Greek Ministry of Education Research and Religions: http://www.minedu.gov.gr European Union: http://www.ec.europa.eu

7. CERTIFICATION OF THE SUPPLEMENT

7.1 Date		7.2 Signature	
	05.12.2023		ACHILLEFS D. THEOCHARIS
7.3	Capacity	7.4	Official stamp or seal
	HEAD OF DEPARTMENT		

8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

https://eacea.ec.europa.eu/national-policies/eurydice/content/greece_en

DEPUTY SECRETARY
OF THE DEPARTMENT

EVANGELOS N. KOTSOKOLOS