HELLENIC REPUBLIC

National and Kapodistrian University of Athens

EST. 1837

SCHOOL OF SCIENCES
DEPARTMENT OF BIOLOGY

DIPLOMA SUPPLEMENT

BIOINFORMATICS-COMRUTATIONAL BIOLOGY

The Diploma Supplement model was 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 qualification to which this supplement is appended. It should be free from any value judgments, equivalence statements of 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):

1.3 Date of birth (*day/month/year*):

Place – Country of Birth:

1.4 Student identification code or number:

2. INFORMATION IDENTIFYING THE QUALIFICATION

2.1 Name of qualification and (if applicable) title conferred (in original language):

MASTER DEGREE OF "BIOINFORMATICS-COMPUTATIONAL BIOLOGY"

2.2 Main field(s) of study for the qualification:

SCIENCES OF BIOLOGY

2.3 Name and status of awarding institution (in original language):

ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON - NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS PUBLIC UNIVERSITY

2.4 Name and status of institution (if different from 2.3) administering studies (in original language):

NOT APPLICABLE

2.5 Language(s) of instruction/examination:

GREEK

3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

3.1 Level of qualification:

SECOND CYCLE OF STUDIES - POSTGRADUATE STUDIES

3.2 Official length of programme:

4 SEMESTERS

3.3 Access requirements:

The program is two-year long and it is suitable for graduates of Departments of School of Science, Technical Universities, Economic and Agricultural Universities, Health Science Universities, from domestic institutions or foreign equivalents, recognized by D.O.A.T.A.P., as well as graduates of other university departments of domestic institutions or foreign equivalents, and graduates of Technological Educational Institutes (T.E.I.) with related subject.

4 INFORMATION ON THE CONTENTS AND RESULTS GAINED

4.1 Mode of study:

FULL TIME

4.2 Program requirements:

The purpose of the MSc "Bioinformatics - Computational Biology" is to provide a high level of postgraduate education in the scientific field of Bioinformatics-Computational Biology and specifically in the study and application of Bioinformatics-Computational Biology methods that combine the technological, scientific, economic and social dimension.

It is required to follow (4) semesters, successful examination in thirteen (13) courses [eleven (11) compulsory and two (2) optional], as well as successful submission of diploma thesis.

Every successfully examined course corresponds to 6 ECTS units. In order to obtain a master's degree, students have to pass 11 obligatory courses (66 ECTS units) and 2 optional courses (12 ECTS units) and finally, to write and present a Master's Thesis (42 ECTS units). The minimum required number of ECTS units is 120. Final grade is calculated based on the average grade of successfully examined courses (70%) and on the grade of the Master Thesis (30%). In case a student completed more than two optional courses he/she may request to exclude one of them from the calculation of the final grade, considering that they fulfill the aforementioned conditions (Number of courses and ECTS units).

4.3 Program details (e.g. modules or units studied), and the individual grades/marks/credits obtained:

No	Course Code	COURSE TITLE	Semester	Teaching Units	ECTS credits	Grade	Academic Year
1	8017	Molecular Biology & Genomics	1st	39	6	-	1st
2	8018	Biomolecular Structure and Function	1st	39	6	-	1st
3	8019	Programming Languages and Software Tools in Bioinformatics i	1st	39	6	-	1st
4	8020	Statistics in Bioinformatics	1st	39	6	-	1st
5	8021	Principles and Methods in Bioinformatics	1st	39	6	-	1st
6	8022	Computational Analysis of Biomacromolecular Sequences	2nd	39	6	-	1st
7	8023	Computational Analysis of Biomolecular Structures	2nd	39	6	-	1st
8	8024	Programming Languages and Software Tools in Bioinformatics ii	2nd	39	6	-	1st
9	8025	Molecular Recognition - Molecular Diseases - Structural Drug Design	2nd	39	6	-	1st
10	8026	Methodology of Research	2nd	39	6	-	1st
11	8027	Application of Informatics in the Study and Preservation of Biodıversity	3nd	39	6	-	2nd
12	8028	Special Topics in Bioinformatics i (*)	3nd	39	6	-	2nd
13	8029	Special Topics in Bioinformatics ii (*)	3nd	39	6	-	2nd
14	8030	Special Topics in Bioinformatics iii (*)	3nd	39	6	-	2nd
15	8031	Special Topics in Bioinformatics iv (*)	3nd	39	6	-	2nd
16		Master Thesis	3rd , 4th	39	42	-	2nd
18							
			TOTAL		**120**		

4.4 Grading Scheme and, if available, grade distribution guidance:

DESCRIPTION OF THE GREEK GRADING SYSTEM:
THE GRADING SCALE RUNS FROM 1 TO 10 PASSING GRADES RUN FROM 5 TO 10 AS FOLLOWS:
5 - 6,49 : GOOD
6,5 - 8,49 : VERY GOOD
8,5 - 10 : EXCELLENT

4.5 Overall classification of the qualification (in original language):

6.97 "VERY GOOD" ("LIAN KALOS")

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study:

Access to postgraduate (second cycle) studies leading to Master's and Doctoral Degrees

5.2 Professional status (if applicable):

NOT APPLICABLE

6. ADDITIONAL INFORMATION

6.1 Additional Information:

A. Practical Training (institution/duration/semester):
B. Erasmus Studies or Placements Programme (institution/duration/semester/course equivalent):
C. Other:

6.2 Further information sources:

National and Kapodistrian University of Athens, www.uoa.gr

Department of Biology, http://en.biol.uoa.gr/departments.html

Ministry of Education http://www.minedu.gov.gr

UoA Directorate of Public and International Relations, http://en.interel.uoa.gr/

Hellenic National Academic Recognition Information Center, http://www.doatap.gr/en/index.php

State Scholarships Foundation, http://www.iky.gr/en/

7. CERTIFICATION OF THE SUPPLEMENT

7.1 Date (day/month/year):

7.2 Signature: KYPRIADOU ANNA

7.3 Capacity: BY THE ORDER OF THE RECTOR, THE GENERAL DIRECTOR OF EDUCATION AND RESEARCH

7.4 Official stamp or seal:

8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

Tertiary Education in Greece comprises two parallel sectors: a) the University sector, which includes the Universities, the Technical Universities and the School of Fine Arts and b) the Technological sector, which includes the Higher Technological Education institutions and the School of Pedagogical and Technological Education (ASPETE). In Greece there are twenty-two (22) Universities and fourteen (14) Technological Education Institutions. According to article 16 of the Greek Constitution, higher education is public and exclusively provided by Higher Education Institutions, which are Legal Entities under Public Law, enjoying full self-administration and academic freedom, while they are subject to state supervision and financed by the government. State supervision is carried out by the Ministry of Education, Research and Religious Affairs.

Admission of students to the above institutes depends on their performance at nation-wide exams taking place in the 3rd grade of the upper secondary school (Lyceum). Entrance to the various Schools of the Universities and Technological Education Institutions depends on the general score obtained by Lyceum graduates, on the number of available places (numerus classes) and on the candidates ranked preferences among Schools and Departments.

The academic year begins on 1st September each year and ends on 31st August of the following year. Each academic year is divided into two semesters. Each semester includes at least thirteen (13) weeks of teaching and two (2) weeks of examinations. The first semester begins in the second fortnight of September and the second semester ends during the second fortnight of June. Throughout the year, there is a total of four weeks of Christmas and Easter holidays.

The majority of the first cycle programs in Universities comprise 8 semesters (4 years - at least 240 ECTS credits). There are certain first cycle programs offered by Universities whose duration exceeds the 8 semesters. All first cycle University and TEI graduates can apply for admission to second cycle graduate programs. The postgraduate programs last one to two years (2/3 or 4 semesters, 60/90 or 120 ECTS credits) and lead to MA or MSc degrees.

Each semester course carries a number of credits, as set by each department. The study program of every University Department contains also the course subjects and contents and the number of hours of classes per week. University undergraduate study leading to a first degree ("PTYCHIO"-ΠΤΥΧΙΟ) in Greece lasts at least four years for most subjects. It lasts five years at Technical Universities, at Departments of applied sciences (Agronomy, Forestry, Dentistry, Veterinary Medicine and Pharmacy) and at certain Art Departments (e.g. Music Studies) and six years at Medical Schools.

Students complete their studies and are awarded their degree when they have passed the necessary number of courses stipulated in the study program and have accumulated the required number of credits.

Students who successfully complete their first cycle studies at Universities are awarded a PTYCHIO (first cycle degree). The degree leads to employment or further study at the post-graduate level leading to the second cycle degree -METAPTYCHIAKO DIPLOMA EIDIKEFSIS, equivalent to the Masters degree- and the third cycle leading to the doctorate degree -DIDAKTORIKO DIPLOMA.

Source: EURYDICE NETWORK:

https://webgate.ec.europa.eu/fpfis/mwikis/eurydice/index.php/Greece:Higher_Education

Detailed information on the Greek education system can also be sought at the Ministry of Education, Research and Religious Affairs website: http://www.minedu.gov.gr/