



HELLENIC REPUBLIC  
ARISTOTELEIO PANEPISTIMIO THESSALONIKIS (ARISTOTLE UNIVERSITY OF THESSALONIKI)  
FACULTY OF SCIENCES  
SCHOOL OF BIOLOGY

<http://www.bio.auth.gr>, Tel. +30 2310998250, Fax +30 2310998252, e-mail: [info@bio.auth.gr](mailto:info@bio.auth.gr), A.U.Th., 54124, Thessaloniki, Greece.

**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): SKENTERIS  
1.2 Given Name(s): NIKOLAOS-TAXIARCHIS  
1.3 Date of birth (day/month/year), Place, Country of Birth 3/11/1990, LAMIA, GREECE  
1.4 Student identification number or code: 1600120080053710

**2. INFORMATION IDENTIFYING THE QUALIFICATION**

- 2.1 Name of the qualification and (if applicable) title conferred (in original language):  
Πτυχίο Βιολογίας (Ptychio Viologias) (Degree in Biology)  
2.2 Main field(s) of study for the qualification:  
Biology with specialization field: Molecular Biology, Genetics and Biotechnology  
2.3 Name and status of awarding institution (in original language):  
Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης (Α.Π.Θ.), (Aristoteleio Panepistimio Thessalonikis-Aristotle University of Thessaloniki, A.U.Th.), Public University.  
2.4 Name and status of institution (if different from 2.3) administering studies (in original language):  
As in 2.3.  
2.5 Language(s) of instruction/examination: Greek

**3. INFORMATION ON THE LEVEL OF THE QUALIFICATION**

- 3.1 Level of qualification: 1st Cycle  
3.2 Official length of programme:  
8 SEMESTERS, 240 ECTS.  
A full academic year is equivalent to 60 ECTS units and each semester to 30 ECTS (European Credit Transfer System) (1ECTS=25-30 hours). Compliance with the ECTS (European Credit Transfer and Accumulation System) regulations started in 2007, when the Greek Legislation was harmonized with the relevant European one (Ministerial Decision no Φ5/89656/β3, art. 1-3, Hellenic Government Gazette no 1466/2007/B). Each course is credited with a number of ECTS (>=2) according to the student's workload (contact hours, laboratory work, examination etc) and accumulation of credits (ECTS) is accomplished after successful completion of the course.

**3.3 Access requirement(s):**

Upper secondary degree (6 years of studies). National level examination.





#### 4. INFORMATION ON THE CONTENT AND RESULTS GAINED

##### 4.1 Mode of study:

Full-time

##### 4.2 Programme requirements:

To graduate from the School of Biology, students have to attend and successfully complete courses (compulsory and elective). The programme of studies is structured as follows: The first four semesters include core courses that provide the student with the necessary fundamental knowledge. During the following two semesters students attend compulsory courses belonging to one of the following specialisations (A. Environmental Biology, B. Molecular Biology, Genetics and Biotechnology, C. General Biology- Education). During the last two semesters students select elective courses and/ or undergraduate dissertation (equivalent to 3 courses) and/or internship (equivalent to 2 courses). The elective and specialisation courses determine the specialisation. The examination is oral/written or in an assignment form. The Undergraduate Study Program (USP) provided by the Department of Biology aims at training bioscientists to study and comprehend the evolution of life and its complexity, from the molecular to the ecosystem level and to promote research in the biological sciences and related state-of-the-art applications. At the applied level, the USP also aims in training and providing the graduates with the necessary skills related to the sectors of education, health and environment. Specifically, upon successful completion of their studies graduates of the School of Biology based on their courses, dissertation and practical training can acquire training and skills closely related to (a) teaching of Biology in Secondary Education, (b) scientific research at all levels of biological organization of life, (c) the examination and identification of biological material, (d) the performance and evaluation of biological laboratory analyses, (e) the application of biotechnological and genetic engineering methods, (f) monitoring and evaluation of species and populations, habitat types and landscape units, (g) undertaking studies on ecosystem conservation and restoration, (h) research on the control of populations, environmental conditions and anthropogenic activities threatening human health and ecosystem functioning and finally (i) consulting on general aspects and issues of biology. Graduates of the School of Biology, further to the basic knowledge of their discipline and profession are able to: 1) apply knowledge in practice, 2) search, process, analyse and synthesize data and information, use also the necessary technologies, 3) adapt to novel situations and make decisions, 4) work independently or in groups in international and/or interdisciplinary contexts, 5) generate new research ideas and design and manage projects, 6) respect diversity, multiculturalism and the natural environment, 7) demonstrate social, professional and moral responsibility and sensitivity to gender issues, 8) view themselves as well as others critically, 9) promote free, inductive and deductive thinking.

##### 4.3 Programme details (e.g. modules or units studied and individual grades/marks/credits obtained):

Courses that the student has successfully attended, as well as subjects for which the student has received recognition or exemption (COR = Core courses, COM = Compulsory courses belonging to the selected specialisation, ELC = Elective courses, ELM=Elective courses belonging to the selected specialization, EX = Exchange, DIS = Dissertation, PRT = Internship. Course codes denote the responsible Department, the semester and the serial number):

Code	Courses	Type	ECTS credits	Grade	Examination period	ECTS Grading
EC.01.01	MATHEMATICS AND STATISTICS IN BIOLOGY	COR	5.0	8.0	SEPT. 2013	B
GM.01.06	MICROBIOLOGY	COR	7.0	6.0	SEPT. 2012	C
ZO.01.03	MORPHOLOGY & SYSTEMATICS OF INVERTEBRATES	COR	8.0	6.0	FEB. 2013	C
BO.01.04	PLANT MORPHOLOGY	COR	7.0	5.0	SEPT. 2012	D
GM.01.05	PHILOSOPHY & MODERN TRENDS OF BIOLOGY	COR	2.0	7.0	FEB. 2013	C
GM.01.02	PHYSICAL CHEMISTRY	COR	5.0	10.0	SEPT. 2013	A
BO.02.09	PLANT ANATOMY	COR	6.0	7.0	JUNE 2012	B
GM.02.07	BIOCHEMISTRY	COR	7.0	9.0	JUNE 2013	A
EC.02.11	GENERAL ECOLOGY	COR	6.0	7.0	JUNE 2013	C
GM.02.10	MOLECULAR BIOLOGY	COR	7.0	9.0	JUNE 2013	A
ZO.02.08	MORPHOLOGY & SYSTEMATICS OF CHORDATA	COR	8.0	8.0	JUNE 2012	A
GM.03.14	CELL BIOLOGY	COR	7.0	5.0	FEB. 2011	D
GM.03.15	GENETICS	COR	7.0	7.0	FEB. 2010	C
ZO.03.12	ANIMAL PHYSIOLOGY I	COR	7.0	7.0	FEB. 2011	B
BO.03.13	PLANT PHYSIOLOGY	COR	8.0	7.0	FEB. 2011	C
GM.04.19	DEVELOPMENTAL BIOLOGY	COR	6.0	5.0	SEPT. 2010	D
EC.04.16	POPULATION ECOLOGY	COR	7.0	8.0	JUNE 2013	B
GM.04.20	EVOLUTION WITH ELEMENTS OF POPULATION GENETICS	COR	5.0	7.0	SEPT. 2012	C
BO.04.18	SYSTEMATIC BOTANY	COR	7.0	7.0	SEPT. 2010	C
ZO.04.17	ANIMAL PHYSIOLOGY II	COR	6.0	7.0	JUNE 2013	B
GM.MGB.7.1	BIOLOGICAL ANTHROPOLOGY	ELC	5.0	9.0	SEPT. 2013	B
EC.ENB.7.7	DIDACTICS OF BIOLOGY	ELC	6.0	7.0	FEB. 2012	D



Code	Courses	Type	ECTS credits	Grade	Examination period	ECTS Grading
GM.MGB.7.2	FOOD CHEMISTRY	ELC	6.0	7.0	FEB. 2012	C
AT0001	HEALTH EDUCATION	ELC	6.0	10.0	JUNE 2012	B
GM.MGB.8.1	ECOTOXICOLOGY	ELC	6.0	8.0	JUNE 2012	B
ZO.ENB.5.18	BIODIVERSITY	ELC	4.0	7.0	FEB. 2012	C
GM.MGB.5.1	IMMUNOLOGY	COM	5.0	9.0	FEB. 2012	B
GM.MGB.5.3	HUMAN GENETICS	COM	5.0	9.0	FEB. 2011	A
GM.MGB.5.4	GENETIC ENGINEERING	COM	5.0	10.0	FEB. 2012	A
GM.MGB.5.5	SPECIAL TOPICS IN CELL BIOLOGY	COM	2.0	7.0	FEB. 2013	B
GM.MGB.5.6	SPECIAL TOPICS IN MOLECULAR BIOLOGY	COM	6.0	9.0	JUNE 2013	B
GM.MGB.6.12	MECHANISMS OF DIFFERENTIATION	COM	5.0	9.0	SEPT. 2012	B
GM.MGB.6.7	BIOINFORMATICS	COM	5.0	5.0	JUNE 2011	E
GM.MGB.6.9	BIOTECHNOLOGY OF ANIMALS AND PLANTS	COM	6.0	7.0	JUNE 2011	B
GM.MGB.6.8	BIOTECHNOLOGICAL APPLICATIONS OF MICROORGANISMS	COM	5.0	9.0	JUNE 2011	B
GM.MGB.5.2	SPECIAL TOPICS ON GENETICS	COM	6.0	8.0	FEB. 2012	B
GM.MGB.6.11	SPECIAL TOPICS IN MICROBIOLOGY	COM	5.0	9.0	SEPT. 2012	A
GM.MGB.6.10	ECONOMY AND LEGAL ASPECTS IN BIOTECHNOLOGY	COM	2.0	9.0	JUNE 2011	B
GE0101	DISSERTATION I	DIS	6.0	10.0	SEPT. 2013	A
GE0102	DISSERTATION II	DIS	6.0	10.0	SEPT. 2013	A
GE0103	DISSERTATION III	DIS	6.0	10.0	SEPT. 2013	A
GE0201	INTERNSHIP 1	PRT	6.0	10.0	SEPT. 2012	A
GE0202	INTERNSHIP 2	PRT	6.0	10.0	SEPT. 2012	A
<b>TOTAL ECTS</b>			<b>248</b>			

The Degree is awarded according to the required minimum local credit units (145) and the student may be examined in two more optional courses (Ministerial Decision no Φ.1231/B1/425, art. 60 section 3, Hellenic Government Gazette no 1099/2000/B)

INTERNSHIP 1-2: STUDY OF EXPRESSION OF MONOCLONAL ANTIBODY CD200 IN NORMAL AND PATHOLOGICAL B CELLS BY FLOW CYTOMETRY

DISSERTATION I-III: Association of the C825T GNB3 gene polymorphism with athletic performance.

ECTS grading (A=10%, B=25%, C=30%, D=25%, E=10%) is based on a sample of a minimum of 100 students. If the sample is not sufficient then nothing is noted (according to the Ministerial Decision no Φ.5/89656/B3, art. 4, Hellenic Government Gazette no 1466/2007/B). The ECTS grading system is based on the Annex 3 of the ECTS Guide, 2009, and on Crocker, L., & Algina, J. (1986). Introduction to classical and modern test theory. New York: Harcourt Brace Jovanovich College Publishers.

Dissertations or/and Internship projects as well are considered as individual projects and they are not graded based on a previous sample. The same stands for the Erasmus courses for which we accept the grading of the receiving institution and we convert it to the local grade accordingly.

#### 4.4 Grading scheme, and if available, grade distribution guidance :

A scale of 1 to 10 applies to the marks of each subject in the Hellenic Higher Education.

Άριστα (Arista) Excellent: 8.50-10.00

Λίαν Καλώς (Lian Kalos) Very Good : 6.50- 8.49

Καλώς (Kalos) Good : 5.00-6.49

Ανεπιτυχώς (Anepitychos) Fail: 0.00-4.99

Minimum passing grade : 5

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

"Λίαν Καλώς" (Very Good): 7.90

### 5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

#### 5.1 Access to further study:

The qualification is a terminal award and allows access to postgraduate studies.

#### 5.2 Professional status (if applicable):

Not applicable

### 6. ADDITIONAL INFORMATION



**6.1 Additional information:**

Not applicable

**6.2 Further information sources**

SCHOOL OF BIOLOGY: <http://www.bio.auth.gr>

GRADUATE' S WEBSITE: <http://grads.bio.auth.gr>

ARISTOTLE UNIVERSITY OF THESSALONIKI: <http://www.auth.gr>

MINISTRY OF EDUCATION AND RELIGIOUS AFFAIRS: <http://www.minedu.gov.gr>

EUROPEAN UNION EDUCATIONAL ISSUES: <http://www.europa.eu.int>

EURYDICE: <http://eacea.ec.europa.eu/education/eurydice/index.en.php>

---

**7. CERTIFICATION OF THE SUPPLEMENT**

**7.1 Date:** 28/11/2013

**7.2 Name and Signature:** Mr. MINAS YIANGOU, Professor



**7.3 Capacity:** President of the School

**7.4 Official Stamp or seal:**

---

This certificate is issued for foreign authorities and is signed by the President of the School according to the regulation No. 333241/25-7-2013 (Hellenic Government Gazette no 1906/2013/B).

---







## INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

Pursuant to the Constitution (article 16, paragraph 5), Greek Tertiary Education is public and gratis. Furthermore, according to the legal framework, it is divided into:

- the University sector (A.E.I.): Universities, Technical Universities, Fine Arts School, etc., and
- the Technological sector (T.E.I.): Technological Education Institutions and the School of Pedagogic and Technological Education.

Part of the University sector is also, since 1998, the Greek Open University, which provides open and distance -undergraduate and postgraduate- education and training.

There are also state post-secondary non-tertiary Institutions offering vocationally oriented courses of shorter duration (2 to 3 years), which operate under the authority of other Ministries.

All graduates of secondary education (Geniko and Epagelmatiko Lykeio) can be admitted to Higher Education Institutions, depending on the general score obtained in national examinations that take place at the end of the final year of Lyceum. The admission system is based on the number of available places (numerus clausus), the candidates' performance, and the candidates' ranked preferences of Schools. Admission to particular schools may also require a special examination (eg drawing for Architecture, etc.).

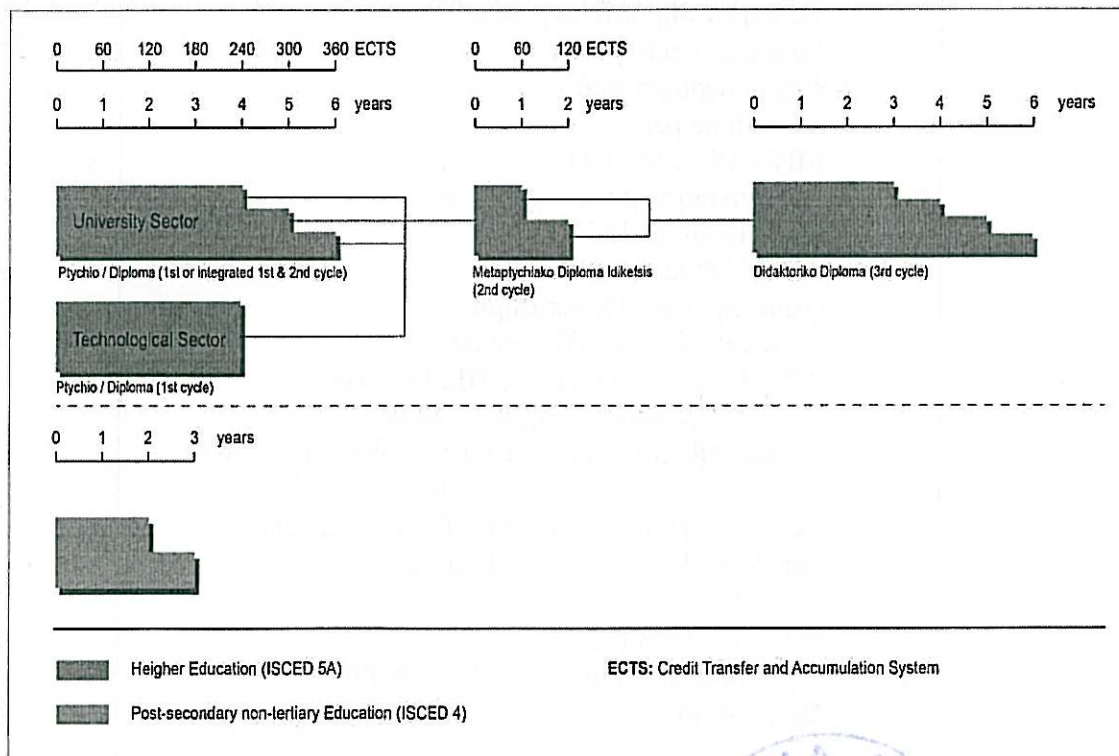
Study programmes in Higher Education Institutions last from four to six years, depending on the subject area. Students who successfully complete their studies are awarded a Ptychio / Diploma, which permits employment or further studies at post-graduate level leading to a Metaptychiako Diploma Eidikefsis (2<sup>nd</sup> cycle) - equivalent to the Master's degree- and to the doctorate degree (3<sup>d</sup> cycle), Didaktoriko Diploma.

Legislation on quality assurance in Higher Education, the Credit Transfer and Accumulation System (ECTS) and the Diploma Supplement defines the framework and the criteria for the evaluation of Higher Education Institutions, and for the certification of programmes of studies. These measures aim, among others, at promoting student mobility and contributing to the creation of the European Higher Education Area.

A detailed description of the Greek Education System is offered in:

EURYDICE (<<http://www.eurydice.org>>) database of the European Education Systems.

<[http://eacea.ec.europa.eu/education/eurydice/documents/thematic\\_reports/122EN.pdf](http://eacea.ec.europa.eu/education/eurydice/documents/thematic_reports/122EN.pdf)> (pages 82,83)





### Αpostille - Επιστημείωση

( Convention de la Haye du 5 Octobre 1961 /  
Σύμβαση της Χάγης της 5 Οκτωβρίου 1961 )

1. Χώρα: ΕΛΛΑΔΑ  
Pays: GRÉCE  
Το παρόν δημόσιο έγγραφο  
Le présent acte public
2. έχει υπογραφεί από  
a été signé par  
ΜΗΝΑΣ ΓΙΑΓΚΟΥ
3. που ενήργησε με την ιδιότητα  
agissant en qualité de  
ΠΡΟΕΔΡΟΣ
4. φέρει τη σφραγίδα/επίσημα  
est revêtu du sceau/timbre de  
ΑΡΙΣΤΟΤΕΛΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ  
Η βεβαίωση χορηγείται/attesté
5. (τόπος) ΘΕΣ/ΝΙΚΗ 6.(ημερομηνία) 21/02/2014  
a le
7. από την ΑΠΟΚΕΝΤΡΩΜΕΝΗ ΔΙΟΙΚΗΣΗ  
par ΜΑΚΕΔΟΝΙΑΣ – ΘΡΑΚΗΣ
8. με αριθμό /  
sous No. 2848
9. Σφραγίδα/επίσημα  
Sceau/timbre
10. Υπογραφή  
Signature

