

ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΑΡΙΣΤΟΤΕΛΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΟΝΙΚΗΣ
ΣΧΟΛΗ ΘΕΤΙΚΩΝ ΕΠΙΣΤΗΜΩΝ
ΤΜΗΜΑ ΒΙΟΛΟΓΙΑΣ
ΠΡΟΓΡΑΜΜΑ ΜΕΤΑΠΤΥΧΙΑΚΩΝ ΣΠΟΥΔΩΝ
" ΠΜΣ ΤΜΗΜΑΤΟΣ ΒΙΟΛΟΓΙΑΣ(2012-2013)"

Αρ. Πιστ : 340

ΑΝΤΙΓΡΑΦΟ ΜΕΤΑΠΤΥΧΙΑΚΟΥ ΔΙΠΛΩΜΑΤΟΣ

ΠΙΣΤΟΠΟΙΕΙΤΑΙ ΟΤΙ :

Η ΛΙΟΥΛΙΑ ΕΛΙΣΑΒΕΤ του ΑΠΟΣΤΟΛΟΥ

Τόπος γέννησης : ΒΕΡΟΙΑ

περατώνοντας την κανονική φοίτηση και τις προβλεπόμενες από το νόμο δοκιμασίες
στις 26/11/2014 (26 Νοεμβρίου 2014) κρίθηκε άξια του
ΜΕΤΑΠΤΥΧΙΑΚΟΥ ΔΙΠΛΩΜΑΤΟΣ ΕΙΔΙΚΕΥΣΗΣ
στην κατεύθυνση: Εφαρμοσμένη Γενετική και Βιοτεχνολογία
του Προγράμματος Μεταπτυχιακών Σπουδών του Τμήματος Βιολογίας
με βαθμό **9.33 (ΕΝΝΕΑ ΚΑΙ ΤΡΙΑΝΤΑ ΤΡΙΑ ΕΚΑΤΟΣΤΑ) "ΑΡΙΣΤΑ"**

Το πιστοποιητικό αυτό χορηγείται για κάθε χρήση.



Αρ.Διπλ. Εισπρ.: 2202/3-12-14/170

Ευρώ: 13.00

Βαθμολογική Κλίμακα Επιτυχίας

α) 6 - 6.49	Καλώς
β) 6.5 - 8.49	Λίαν Καλώς
γ) 8.5 - 10	Άριστα

HELLENIC REPUBLIC
ARISTOTLE UNIVERSITY OF THESSALONIKI
FACULTY OF SCIENCES
SCHOOL OF BIOLOGY
MASTER'S DEGREE PROGRAM
"MASTER'S DEGREE PROGRAM OF SCHOOL OF BIOLOGY (2012-2013)"

Certificate Number: 340

MASTER DEGREE

THIS IS TO CERTIFY THAT:

ELISAVET APOSTOLOS LIOULIA

Place of birth: VEROIA

after the regular attendance and projected tests
on 26 November 2014, was awarded the

MASTER DEGREE

in the field of: Applied Genetics and Biotechnology
of Master's Degree Program of the School of Biology

Grade **9.33 (NINE POINT THIRTY-THREE) "EXCELLENT"**

This certificate is to be used without prejudice for any use.

Thessaloniki, 11 December 2014
THE SECRETARY OF THE SCHOOL

KIOUTSIOUKI-KEPPA S.

Administrative Fee Number: 2202/3-12-14/170
EUR: 13.00

Grading Scheme

- a) 6 - 6.49 Good
- b) 6.5 - 8.49 Very good
- c) 8.5 - 10 Excellent



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΑΡΙΣΤΟΤΕΛΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΟΝΙΚΗΣ
ΣΧΟΛΗ ΘΕΤΙΚΩΝ ΕΠΙΣΤΗΜΩΝ
ΤΜΗΜΑ ΒΙΟΛΟΓΙΑΣ
ΠΡΟΓΡΑΜΜΑ ΜΕΤΑΠΤΥΧΙΑΚΩΝ ΣΠΟΥΔΩΝ
" ΠΜΣ ΤΜΗΜΑΤΟΣ ΒΙΟΛΟΓΙΑΣ(2012-2013)"

ΠΙΣΤΟΠΟΙΗΤΙΚΟ

Αρ. Πιστ. : 341
Αρ. Διπλ.: 2202/381/11-12-2014
Ευρώ: 6,00

ΠΙΣΤΟΠΟΙΕΙΤΑΙ Η ΑΚΡΙΒΕΙΑ ΤΩΝ ΕΞΗΣ ΣΤΟΙΧΕΙΩΝ :

Στοιχεία ταυτότητας

Επώνυμο : ΛΙΟΥΛΙΑ Όνομα : ΕΛΙΣΑΒΕΤ
Πατρώνυμο : ΑΠΟΣΤΟΛΟΣ Μητρώνυμο : ΠΑΝΑΓΙΩΤΑ
Τόπος γέννησης : ΒΕΡΟΙΑ Έτος γέννησης : 21/06/1988

Στοιχεία εγγραφής

Ακαδ. έτος : 2012-2013 Ημερομηνία : 22/10/2012
Τρόπος εγγρ. : Κατόπιν επιλογής
Εξάμηνο : 1 Απόφ. εγγρ. : ΓΣΕΣ 222/19-10-12
Αρ. Ειδ. Μητρ.: 439

Αρ.Πανεπ.Μητρώου: 1610220120004394

Δικαιολογητικά Εγγραφής : Όλα τα νόμιμα.

Η εγγραφή ισχύει αναδρομικά από 1/9/2012.

Το ακαδημαϊκό έτος αρχίζει την 1η Σεπτεμβρίου κάθε έτους και λήγει την 31η Αυγούστου του επόμενου.

Η διάρκεια φοίτησης είναι 4 εξάμηνα.

Η παρακολούθηση των μαθημάτων του 1ου και 2ου εξαμήνου είναι υποχρεωτική.

Ακολουθεί την κατεύθυνση: Έφαρμοσμένη Γενετική και Βιοτεχνολογία.

Η παραπάνω κατέστη πτυχιούχος του Π.Μ.Σ. του ΒΙΟΛΟΓΙΑΣ στις 26/11/2014 με βαθμό 9.33 (ΕΝΝΕΑ ΚΑΙ ΤΡΙΑΝΤΑ ΤΡΙΑ ΕΚΑΤΟΣΤΑ) "Άριστα".

Το πιστοποιητικό αυτό χορηγείται για κάθε χρήση.

ΑΝΑΛΥΤΙΚΗ ΒΑΘΜΟΛΟΓΙΑ ΜΑΘΗΜΑΤΩΝ

Κωδ.	Τίτλος/Υπότιτλος	Τύπ.	ΔΜ	ECTS	T.B.	Βαθμολογία Ολογράφως
2012-2013 ΧΕΙΜΕΡΙΝΟ						
Γ2	ΠΡΟΧΩΡΗΜΕΝΑ ΘΕΜΑΤΑ ΓΕΝΕΤΙΚΗΣ	Υ	3.0	8.0	8,5	ΟΚΤΩ ΚΑΙ ΠΕΝΤΕ ΔΕΚΑΤΑ
2012-2013 ΕΑΡΙΝΟ						
Γ1	ΔΟΜΗ ΚΑΙ ΟΡΓΑΝΩΣΗ ΓΟΝΙΔΙΩΜΑΤΟΣ	Υ	3.0	8.0	8,5	ΟΚΤΩ ΚΑΙ ΠΕΝΤΕ ΔΕΚΑΤΑ
Γ3	ΟΡΓΑΝΩΣΗ ΚΑΙ ΡΥΘΜΙΣΗ ΛΕΙΤΟΥΡΓΙΩΝ ΤΩΝ ΟΡΓΑΝΙΣΜΩΝ	Υ	3.0	6.0	10	ΔΕΚΑ
Γ4	ΑΜΥΝΤΙΚΟΙ ΜΗΧΑΝΙΣΜΟΙ ΟΡΓΑΝΙΣΜΩΝ ΚΑΙ ΒΙΟΤΕΧΝΟΛΟΓΙΑ	Υ	3.0	8.0	9,1	ΕΝΝΕΑ ΚΑΙ ΕΝΑ ΔΕΚΑΤΟ
Γ5	ΓΕΝΕΤΙΚΗ ΜΗΧΑΝΙΚΗ	Υ	3.0	8.0	8	ΟΚΤΩ
Γ6	ΕΦΑΡΜΟΓΕΣ ΓΕΝΕΤΙΚΗΣ ΚΑΙ ΒΙΟΤΕΧΝΟΛΟΓΙΑΣ ΣΤΗ ΒΕΛΤΙΩΣΗ ΤΗΣ ΥΓΕΙΑΣ	Υ	3.0	8.0	8,1	ΟΚΤΩ ΚΑΙ ΕΝΑ ΔΕΚΑΤΟ
Γ7	ΕΦΑΡΜΟΓΕΣ ΓΕΝΕΤΙΚΗΣ ΚΑΙ ΒΙΟΤΕΧΝΟΛΟΓΙΑΣ ΣΤΗ ΒΕΛΤΙΩΣΗ ΖΩΙΚΩΝ ΚΑΙ ΦΥΤΙΚΩΝ ΟΡΓΑΝΙΣΜΩΝ	Υ	3.0	8.0	8,2	ΟΚΤΩ ΚΑΙ ΔΥΟ ΔΕΚΑΤΑ
Γ8	ΒΙΟΜΗΧΑΝΙΚΗ ΑΞΙΟΠΟΙΗΣΗ ΠΡΟΙΟΝΤΩΝ ΒΙΟΤΕΧΝΟΛΟΓΙΑΣ	Υ	3.0	6.0	9,4	ΕΝΝΕΑ ΚΑΙ ΤΕΣΣΕΡΑ ΔΕΚΑΤΑ
ΕΡΓΑΣΙΑ						
ΜΕΤΑΠΤΥΧΙΑΚΗ ΔΙΠΛΩΜΑΤΙΚΗ ΕΡΓΑΣΙΑ: Ανάλυση του προτύπου έκφρασης γονιδίων σε κυτταρικά μοντέλα και βιοψίες ηπατοκυτταρικού καρκινώματος			30	30	10	ΔΕΚΑ

Θεσσαλονίκη, 12/12/2014

Η ΓΡΑΜΜΑΤΕΑΣ ΤΟΥ ΤΜΗΜΑΤΟΣ

Σ. ΚΙΟΥΤΣΙΟΥΚΗ-ΚΕΠΠΑ



HELLENIC REPUBLIC
ARISTOTLE UNIVERSITY OF THESSALONIKI
FACULTY OF SCIENCES
SCHOOL OF BIOLOGY
MASTER'S DEGREE PROGRAM
"MASTER'S DEGREE PROGRAM OF SCHOOL OF BIOLOGY (2012-2013)"

Certificate Number: 341
Administrative Fee Number: 2202/381/11-12-2014
EUR: 6.00

CERTIFICATE

CERTIFIED THE ACCURACY OF THE FOLLOWING INFORMATION:

Identifying information

Surname: LIOULIA Name: ELISAVET
Father's name: APOSTOLOS Mother's name: PANAGIOTA
Place of birth: VEROIA Year of birth: 21 June 1988

Registration information

Academic year: 2012-2013 Date: 22 October 2012
Registration way: After evaluation
Semester: 1 Decision of registration: General Assembly 222/19 October 2012
Specified registration number: 439
Student identification number: 1610220120004394

Documents for registration: The legal.

The registration is applied retrospectively from 1 September 2012.

The academic year begins on 1 September of each year and ends on 31 August of next.

The duration of program is 4 semesters.

The attendance of courses at first and second semester is compulsory.

Field of: "Applied Genetics and Biotechnology"

The above was awarded the Master Degree of School of Biology on 26 November 2014, with the grade of 9.33 (NINE POINT THIRTY-THREE) "EXCELLENT".

This certificate is to be used without prejudice for any use.

GRADING TABLE

Code	Courses	Type	Credit units	ECTS	Grade	Full written grade
2012-2013 Winter semester						
C2	ADVANCED GENETICS	Com.	3.0	8.0	8.5	EIGHT POINT FIFTY

GRADING TABLE

Code	Type	Credit units	ECTS	Grade	Full written grade
2012-2013 Spring semester					
C1 GENOME STRUCTURE AND ORGANIZATION	Com.	3.0	8.0	8.5	EIGHT POINT FIFTY
C3 ORGANIZATION AND REGULATION OF ORGANISMS' FUNCTIONS	Com.	3.0	6.0	10	TEN
C4 DEFENCE MECHANISMS OF ORGANISMS AND BIOTECHNOLOGY	Com.	3.0	8.0	9.1	NINE POINT TEN
C5 GENETIC ENGINEERING	Com.	3.0	8.0	8.0	EIGHT
C6 APPLIED GENETICS AND BIOTECHNOLOGY FOR HEALTH IMPROVEMENT	Com.	3.0	8.0	8.1	EIGHT POINT TEN
C7 APPLIED GENETICS AND BIOTECHNOLOGY FOR ANIMAL AND PLANT IMPROVEMENT	Com.	3.0	8.0	8.2	EIGHT POINT TWENTY
C8 INDUSTRIAL UTILIZATION OF BIOTECHNOLOGICAL PRODUCTS	Com.	3.0	6.0	9.4	NINE POINT FORTY
DISSERTATION					
DISSERTATION: Analysis of the expression pattern of genes in models and biopsies of hepatocellular carcinoma		30	30	10	TEN

Thessaloniki, 12 December 2014

THE SECRETARY OF THE SCHOOL

KIOUTSIOUKI-KEPPA S.



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΑΡΙΣΤΟΤΕΛΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΟΝΙΚΗΣ
ΣΧΟΛΗ ΘΕΤΙΚΩΝ ΕΠΙΣΤΗΜΩΝ
ΤΜΗΜΑ ΒΙΟΛΟΓΙΑΣ

ΠΙΣΤΟΠΟΙΕΙΤΑΙ ΟΤΙ:

Η ΛΙΟΥΛΙΑ ΕΛΙΣΑΒΕΤ του ΑΠΟΣΤΟΛΟΥ

Τόπος γέννησης: ΒΕΡΟΙΑ

αφού επέτυχε στα προβλεπόμενα μαθήματα και συγκέντρωσε τον απαιτούμενο αριθμό διδακτικών μονάδων, κρίθηκε άξια του πτυχίου του Τμήματος

ΒΙΟΛΟΓΙΑΣ

ΤΗΣ ΣΧΟΛΗΣ ΘΕΤΙΚΩΝ ΕΠΙΣΤΗΜΩΝ

με βαθμό 7,97 (ΕΠΤΑ ΚΑΙ ΕΝΕΝΗΝΤΑ ΕΠΤΑ ΕΚΑΤΟΣΤΑ) "ΛΙΑΝ ΚΑΛΩΣ"

Ορκίστηκε στις: 19/3/2012 (19 Μαρτίου 2012)

Το πιστοποιητικό αυτό χορηγείται για κάθε χρήση.



Θεσσαλονίκη, 19/3/2012

Η ΓΡΑΜΜΑΤΕΑΣ ΤΟΥ ΤΜΗΜΑΤΟΣ

Σ. ΚΙΟΥΤΣΙΟΥΚΗ-ΚΕΠΠΑ

Αρ. Διπλ. Εισπρ.:

Ευρώ:

Βαθμολογική Κλίμακα Επιτυχίας

- | | |
|-----------------|------------|
| α) 5.00 - 6.49 | Καλώς |
| β) 6.50 - 8.49 | Λίαν Καλώς |
| γ) 8.50 - 10.00 | Άριστα |



**HELLENIC REPUBLIC
ARISTOTLE UNIVERSITY OF THESSALONIKI
FACULTY OF SCIENCES
SCHOOL OF BIOLOGY**

**THIS IS TO CERTIFY THAT:
ELISAVET APOSTOLOS LIOULIA**

Place of birth: VEROIA

as successfully completed the courses and collected the required number of credit units,
was awarded the Degree of School of

**BIOLOGY
OF FACULTY OF SCIENCES**

Grade **7.97 (SEVEN POINT NINETY-SEVEN) "VERY GOOD"**
Graduate: **19 March 2012**

This certificate is to be used without prejudice for any use.

Thessaloniki, 19 March 2012
THE SECRETARY OF THE SCHOOL

KIOUTSIOUKI-KEPPA S.

Administrative Fee Number:
EUR:

Grading Scheme

- | | | |
|----|--------------|-----------|
| a) | 5.00 - 6.49 | Good |
| b) | 6.50 - 8.49 | Very good |
| c) | 8.50 - 10.00 | Excellent |



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΑΡΙΣΤΟΤΕΛΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΟΝΙΚΗΣ
ΣΧΟΛΗ ΘΕΤΙΚΩΝ ΕΠΙΣΤΗΜΩΝ
ΤΜΗΜΑ ΒΙΟΛΟΓΙΑΣ

Αρ. Πιστ: 1645
 Αρ. Διπλ. Εισπρ: 252-084 / 19-7-12
 Ευρώ 6.00

ΠΙΣΤΟΠΟΙΗΤΙΚΟ

ΠΙΣΤΟΠΟΙΕΙΤΑΙ Η ΑΚΡΙΒΕΙΑ ΤΩΝ ΕΞΗΣ ΣΤΟΙΧΕΙΩΝ :

Στοιχεία ταυτότητας

Επώνυμο : ΛΙΟΥΛΙΑ Όνομα : ΕΛΙΣΑΒΕΤ
 Πατρώνυμο : ΑΠΟΣΤΟΛΟΣ Μητρώνυμο : ΠΑΝΑΓΙΩΤΑ
 Τόπος γέννησης : ΒΕΡΟΙΑ Έτος γέννησης : 1988
 Δημοτολόγιο: ΒΕΡΟΙΑ Αρ. Δημοτολ.: 14743/3

Στοιχεία εγγραφής

Ακαδ. έτος : 2007-2008 Ημερομηνία : 28/9/2007 Εξάμηνο : 1

Η εγγραφή ισχύει αναδρομικά από 1/9/2007

Τρόπος εγγρ. : ΠΑΝΕΛΛΗΝΙΕΣ ΕΞΕΤΑΣΕΙΣ

Αποφ. εγγρ.: -

Δικαστολογητικά Εγγραφής : Όλα τα νόμιμα.

Αρ. Γεν. Μητρ. : 384801

Αρ. Ειδ. Μητρ.: 5153

Αρ. Παν/κου Μητρ.: 1600120070051531

Η ελάχιστη διάρκεια φοίτησης είναι 8 εξάμηνα.

Το ακαδημαϊκό έτος αρχίζει την 1η Σεπτεμβρίου κάθε έτους και λήγει την 31η Αυγούστου του επόμενου

Έχει συμπληρώσει 145 διδακτικές μονάδες από τις 145 που απαιτούνται για την λήψη πτυχίου.

Η ΛΙΟΥΛΙΑ ΕΛΙΣΑΒΕΤ αφού επέτυχε στα προβλεπόμενα μαθήματα και συγκέντρωσε τον απαιτούμενο αριθμό διδακτικών μονάδων, κρίθηκε άξια του πτυχίου του Τμήματος ΒΙΟΛΟΓΙΑΣ με βαθμό:

7,97 (ΕΠΤΑ ΚΑΙ ΕΝΕΝΗΝΤΑ ΕΠΤΑ ΕΚΑΤΟΣΤΑ) "Λίαν Καλώς"

Ορκίστηκε στις: **19/03/2012 (19 Μαρτίου 2012)**

ΚΑΤΕΥΘΥΝΣΗ ΜΟΡΙΑΚΗ ΒΙΟΛΟΓΙΑ, ΓΕΝΕΤΙΚΗ ΚΑΙ ΒΙΟΤΕΧΝΟΛΟΓΙΑ

Το πιστοποιητικό αυτό χορηγείται για κάθε χρήση.

Πίνακας Βαθμολογίας

A/A	Τίτλος/Υπότιτλος	Εξάμ.	ΔΜ	ECTS	Βαθμός	Βαθμολογία Ολογράφως
ΥΠΟΧΡΕΩΤΙΚΟ						
1	ΜΑΘΗΜΑΤΙΚΑ ΚΑΙ ΣΤΑΤΙΣΤΙΚΗ ΣΤΗ ΒΙΟΛΟΓΙΑ	1	4.0	5.0	8.00	ΟΚΤΩ
2	ΜΙΚΡΟΒΙΟΛΟΓΙΑ	1	4.0	7.0	7.00	ΕΠΤΑ
3	ΜΟΡΦΟΛΟΓΙΑ ΚΑΙ ΣΥΣΤΗΜΑΤΙΚΗ ΑΣΠΟΝΔΥΛΩΝ	1	5.0	8.0	7.00	ΕΠΤΑ
4	ΜΟΡΦΟΛΟΓΙΑ ΦΥΤΩΝ	1	4.0	7.0	8.00	ΟΚΤΩ
5	ΦΙΛΟΣΟΦΙΑ ΚΑΙ ΣΥΓΧΡΟΝΕΣ ΤΑΣΕΙΣ ΒΙΟΛΟΓΙΑΣ		2.0	2.0	7.00	ΕΠΤΑ
6	ΦΥΣΙΚΟΧΗΜΕΙΑ		3.0	5.0	7.00	ΕΠΤΑ
7	ΑΝΑΤΟΜΙΑ ΦΥΤΩΝ	2	3.0	6.0	7.00	ΕΠΤΑ
8	ΒΙΟΧΗΜΕΙΑ	2	4.0	7.0	5.00	ΠΕΝΤΕ
9	ΓΕΝΙΚΗ ΟΙΚΟΛΟΓΙΑ	2	3.0	6.0	6.00	ΕΞΙ
10	ΜΟΡΙΑΚΗ ΒΙΟΛΟΓΙΑ	2	4.0	7.0	7.00	ΕΠΤΑ
11	ΜΟΡΦΟΛΟΓΙΑ ΚΑΙ ΣΥΣΤΗΜΑΤΙΚΗ ΧΟΡΔΩΤΩΝ	2	5.0	8.0	7.00	ΕΠΤΑ



Πίνακας Βαθμολογίας

A/A	Τίτλος/Υπότιτλος	Εξαμ.	ΔΜ	ECTS	Βαθμός	Βαθμολογία Ολογράφως
12	ΒΙΟΛΟΓΙΑ ΚΥΤΤΑΡΟΥ	3	4.0	7.0	6.00	ΕΞΙ
13	ΓΕΝΕΤΙΚΗ	3	4.0	7.0	9.00	ΕΝΝΕΑ
14	ΦΥΣΙΟΛΟΓΙΑ ΖΩΩΝ Ι	3	4.0	7.0	7.00	ΕΠΤΑ
15	ΦΥΣΙΟΛΟΓΙΑ ΦΥΤΩΝ	3	4.0	8.0	8.00	ΟΚΤΩ
16	ΒΙΟΛΟΓΙΑ ΑΝΑΠΤΥΞΗΣ	4	3.0	6.0	6.00	ΕΞΙ
17	ΔΥΝΑΜΙΚΗ ΠΛΗΘΥΣΜΩΝ ΚΑΙ ΒΙΟΚΟΙΝΟΤΗΤΩΝ	4	4.0	7.0	9.00	ΕΝΝΕΑ
18	ΕΞΕΛΙΞΗ & ΣΤΟΙΧΕΙΑ ΓΕΝΕΤΙΚΗΣ ΠΛΗΘΥΣΜΩΝ	4	4.0	5.0	6.00	ΕΞΙ
19	ΣΥΣΤΗΜΑΤΙΚΗ ΒΟΤΑΝΙΚΗ	4	4.0	7.0	8.00	ΟΚΤΩ
20	ΦΥΣΙΟΛΟΓΙΑ ΖΩΩΝ ΙΙ	4	3.0	6.0	8.00	ΟΚΤΩ
ΕΠΙΛΟΓΗΣ						
21	ΒΙΟΛΟΓΙΚΗ ΑΝΘΡΩΠΟΛΟΓΙΑ	7	3.0	5.0	10.00	ΔΕΚΑ
22	ΔΙΔΑΚΤΙΚΗ ΤΗΣ ΒΙΟΛΟΓΙΑΣ	7	3.0	6.0	9.00	ΕΝΝΕΑ
23	ΗΘΟΛΟΓΙΑ ΖΩΩΝ	7	3.0	6.0	8.00	ΟΚΤΩ
24	ΧΗΜΕΙΑ ΤΡΟΦΙΜΩΝ	7	3.0	6.0	9.00	ΕΝΝΕΑ
25	ΙΑΤΡΙΚΗ ΒΑΣΗ ΤΩΝ ΠΡΟΒΛΗΜΑΤΩΝ ΤΗΣ ΑΚΟΗΣ	8	3.0	6.0	9.00	ΕΝΝΕΑ
26	ΟΙΚΟΤΟΞΙΚΟΛΟΓΙΑ	8	3.0	6.0	8.00	ΟΚΤΩ
ΥΠΟΧΡΕΩΤΙΚΟ ΚΑΤΕΥΘΥΝΣΗΣ						
27	ΑΝΟΣΟΒΙΟΛΟΓΙΑ	5	3.0	5.0	8.00	ΟΚΤΩ
28	ΓΕΝΕΤΙΚΗ ΑΝΘΡΩΠΟΥ	5	3.0	5.0	8.00	ΟΚΤΩ
29	ΓΕΝΕΤΙΚΗ ΜΗΧΑΝΙΚΗ	5	3.0	5.0	9.00	ΕΝΝΕΑ
30	ΕΙΔΙΚΑ ΘΕΜΑΤΑ ΒΙΟΛΟΓΙΑΣ ΚΥΤΤΑΡΟΥ	5	2.0	2.0	7.00	ΕΠΤΑ
31	ΕΙΔΙΚΑ ΘΕΜΑΤΑ ΓΕΝΕΤΙΚΗΣ	5	4.0	6.0	7.00	ΕΠΤΑ
32	ΕΙΔΙΚΑ ΘΕΜΑΤΑ ΜΟΡΙΑΚΗΣ ΒΙΟΛΟΓΙΑΣ	5	4.0	6.0	8.00	ΟΚΤΩ
33	ΒΙΟΠΛΗΡΟΦΟΡΙΚΗ	6	3.0	5.0	7.00	ΕΠΤΑ
34	ΒΙΟΤΕΧΝΟΛΟΓΙΑ ΖΩΩΝ & ΦΥΤΩΝ	6	4.0	6.0	7.00	ΕΠΤΑ
35	ΒΙΟΤΕΧΝΟΛΟΓΙΚΕΣ ΕΦΑΡΜΟΓΕΣ ΜΙΚΡΟΟΡΓΑΝΙΣΜΩΝ	6	3.0	5.0	10.00	ΔΕΚΑ
36	ΕΙΔΙΚΑ ΘΕΜΑΤΑ ΜΙΚΡΟΒΙΟΛΟΓΙΑΣ	6	3.0	5.0	8.00	ΟΚΤΩ
37	ΜΗΧΑΝΙΣΜΟΙ ΔΙΑΦΟΡΟΠΟΙΗΣΗΣ	6	3.0	5.0	9.00	ΕΝΝΕΑ
38	ΟΙΚΟΝΟΜΙΑ - ΔΙΚΑΙΟ ΣΤΗ ΒΙΟΛΟΓΙΑ	6	2.0	2.0	9.00	ΕΝΝΕΑ
ΔΙΠΛΩΜΑΤΙΚΗ						
39	ΔΙΠΛΩΜΑΤΙΚΗ ΕΡΓΑΣΙΑ Ι	7	3.0	6.0	10.00	ΔΕΚΑ
40	ΔΙΠΛΩΜΑΤΙΚΗ ΕΡΓΑΣΙΑ ΙΙ	7	3.0	6.0	10.00	ΔΕΚΑ
41	ΔΙΠΛΩΜΑΤΙΚΗ ΕΡΓΑΣΙΑ ΙΙΙ	8	3.0	6.0	10.00	ΔΕΚΑ
ΠΡΑΚΤΙΚΗ						
42	ΠΡΑΚΤΙΚΗ ΑΣΚΗΣΗ Ι - ΕΠΕΑΕΚ	8	3.0	6.0	10.00	ΔΕΚΑ
43	ΠΡΑΚΤΙΚΗ ΑΣΚΗΣΗ ΙΙ - ΕΠΕΑΕΚ	8	3.0	6.0	10.00	ΔΕΚΑ
Σύνολα μαθημάτων:		Υ = 20, Ε = 6, ΥΚ = 12, ΔΙΠ = 3, ΠΡΚ = 2				
Σύνολα Διδ. Μονάδων:		Υ = 75, Ε = 18, ΥΚ = 37, ΔΙΠ = 9, ΠΡΚ = 6 Σύνολο ECTS: 250				

Θεσσαλονίκη, 19/7/2012
 Η ΓΡΑΜΜΑΤΕΑΣ ΤΟΥ ΤΜΗΜΑΤΟΣ

 Σ. ΚΙΟΥΤΣΙΟΥΚΗ-ΚΕΠΠΑ

Βαθμολογική Κλίμακα Επιτυχίας

α) 5 - 6.49	Καλώς
β) 6.5 - 8.49	Λίαν Καλώς
γ) 8.5 - 10	Άριστα



HELLENIC REPUBLIC
ARISTOTLE UNIVERSITY OF THESSALONIKI
FACULTY OF SCIENCES
SCHOOL OF BIOLOGY

Certificate Number: 1648
Administrative Fee Number: 2272-084/19-7-12
EUR: 6.00

CERTIFICATE

CERTIFIED THE ACCURACY OF THE FOLLOWING INFORMATION:

Identifying information

Surname: <u>LIOLIA</u>	Name: <u>ELISAVET</u>
Father's name: <u>APOSTOLOS</u>	Mother's name: <u>PANAGIOTA</u>
Place of birth: <u>VEROIA</u>	Year of birth: <u>1988</u>
Population registration center: <u>VEROIA</u>	Number of population registration: <u>14743/3</u>

Registration information

Academic year: **2007-2008** Date: **28 September 2007** Semester: **1**

The registration is valid retrospectively from 1 September 2007

Registration way: **National level examinations**

Decision of registration: -

Documents for registration: The legal.

General registration number: **384801**

Specified registration number: **5153**

Student identification number: **1600120070051531**

The minimum duration of program is 8 semesters.

The academic year begins on 1 September of each year and ends on 31 August of next.

Completed 145 credit units from 145, which are needed for the earning of degree.

ELISAVET LIOLIA, as successfully completed the courses and collected the required number of credit units, was awarded the Degree of School of BIOLOGY with grade:

7.97 (SEVEN POINT NINETY-SEVEN) "VERY GOOD"

Graduate: 19 March 2012

SPECIALIZATION MOLECULAR BIOLOGY, GENETICS AND BIOTECHNOLOGY

This certificate is to be used without prejudice for any use.

GRADING TABLE

Courses	Semester	Credit units	ECTS	Grade	Full written grade
<u>CORE</u>					
1 MATHEMATICS AND STATISTICS IN BIOLOGY	1	4.0	5.0	8.00	EIGHT
2 MICROBIOLOGY	1	4.0	7.0	7.00	SEVEN
3 MORPHOLOGY AND SYSTEMATICS OF INVERTEBRATES	1	5.0	8.0	7.00	SEVEN
4 PLANT MORPHOLOGY	1	4.0	7.0	8.00	EIGHT
5 PHILOSOPHY & MODERN TRENDS OF BIOLOGY	1	2.0	2.0	7.00	SEVEN
6 PHYSICAL CHEMISTRY	1	3.0	5.0	7.00	SEVEN
7 PLANT ANATOMY	2	3.0	6.0	7.00	SEVEN
8 BIOCHEMISTRY	2	4.0	7.0	5.00	FIVE
9 GENERAL ECOLOGY	2	3.0	6.0	6.00	SIX
10 MOLECULAR BIOLOGY	2	4.0	7.0	7.00	SEVEN
11 MORPHOLOGY AND SYSTEMATICS OF CHORDATA	2	5.0	8.0	7.00	SEVEN
12 CELL BIOLOGY	3	4.0	7.0	6.00	SIX
13 GENETICS	3	4.0	7.0	9.00	NINE
14 ANIMAL PHYSIOLOGY I	3	4.0	7.0	7.00	SEVEN
15 PLANT PHYSIOLOGY	3	4.0	8.0	8.00	EIGHT
16 DEVELOPMENTAL BIOLOGY	4	3.0	6.0	6.00	SIX
17 POPULATION ECOLOGY	4	4.0	7.0	9.00	NINE
18 EVOLUTION WITH ELEMENTS OF POPULATION GENETICS	4	4.0	5.0	6.00	SIX
19 SYSTEMATIC BOTANY	4	4.0	7.0	8.00	EIGHT
20 ANIMAL PHYSIOLOGY II	4	3.0	6.0	8.00	EIGHT
<u>ELECTIVE</u>					
21 BIOLOGICAL ANTHROPOLOGY	7	3.0	5.0	10.00	TEN
22 DIDACTICS OF BIOLOGY	7	3.0	6.0	9.00	NINE
23 ANIMAL ETHOLOGY	7	3.0	6.0	8.00	EIGHT
24 FOOD CHEMISTRY	7	3.0	6.0	9.00	NINE
25 MEDICAL BASE OF HEARING DISORDERS	8	3.0	6.0	9.00	NINE
26 ECOTOXICOLOGY	8	3.0	6.0	8.00	EIGHT

GRADING TABLE

Courses	Semester	Credit units	ECTS	Grade	Full written grade
<u>COMPULSORY OF THE SPECIALIZATION</u>					
27 IMMUNOLOGY	5	3.0	5.0	8.00	EIGHT
28 HUMAN GENETICS	5	3.0	5.0	8.00	EIGHT

GRADING TABLE

Courses	Semester	Credit units	ECTS	Grade	Full written grade
<u>COMPULSORY OF THE SPECIALIZATION</u>					
29 GENETIC ENGINEERING	5	3.0	5.0	9.00	NINE
30 SPECIAL TOPICS IN CELL BIOLOGY	5	2.0	2.0	7.00	SEVEN
31 SPECIAL TOPICS ON GENETICS	5	4.0	6.0	7.00	SEVEN
32 SPECIAL TOPICS IN MOLECULAR BIOLOGY	5	4.0	6.0	8.00	EIGHT
33 BIOINFORMATICS	6	3.0	5.0	7.00	SEVEN
34 BIOTECHNOLOGY OF ANIMALS AND PLANTS	6	4.0	6.0	7.00	SEVEN
35 BIOTECHNOLOGICAL APPLICATIONS OF MICROORGANISMS	6	3.0	5.0	10.00	TEN
36 SPECIAL TOPICS IN MICROBIOLOGY	6	3.0	5.0	8.00	EIGHT
37 MECHANISMS OF DIFFERENTIATION	6	3.0	5.0	9.00	NINE
38 ECONOMY	6	2.0	2.0	9.00	NINE
<u>DISSERTATION</u>					
39 DISSERTATION I	7	3.0	6.0	10.00	TEN
40 DISSERTATION II	7	3.0	6.0	10.00	TEN
41 DISSERTATION III	8	3.0	6.0	10.00	TEN
<u>INTERNSHIP</u>					
42 INTERNSHIP I	8	3.0	6.0	10.00	TEN
43 INTERNSHIP II	8	3.0	6.0	10.00	TEN
Total courses: COR= 20, ELC= 6, COM=12, DIS=3, PRT=2					
Total credit units: COR= 75, ELC= 18, COM=37, DIS=9, PRT=6 Total ECTS: 250					

Thessaloniki, 19 July 2012
THE SECRETARY OF THE SCHOOL
KIOUTSIOUKI-KEPPA S.

Grading Scheme

- a) 5 - 6.49 Good
- b) 6.5 - 8.49 Very good
- c) 8.5 - 10 Excellent



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, 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. 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): LIOULIA
1.2 Given Name(s) : ELISAVET
1.3 Date of birth (day/month/year), city, country: 1988, VEROIA, GREECE
1.4 Student identification number or code: 1600120070051531

2. INFORMATION IDENTIFYING THE QUALIFICATION

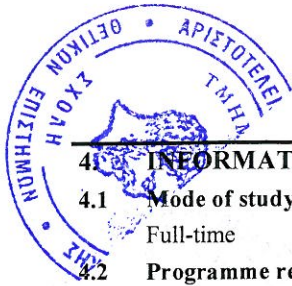
- 2.1 Name of the qualification and (if applicable) title conferred (in original language):
Πτυχίο Βιολογίας (Ptychio Viologias) (Degree in Biology)
- 2.2 Main field(s) of study for the qualification:
"Molecular Biology, Genetics and Biotechnology" (Subject area code: 421)
(<http://www.iky.gr/IKY/portal/gr/default/CMSGRWindow?action=2&uri=/gr/socrates/erasmus/ectsds.html>).
- 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. School of Biology. The postgraduate degree is awarded by the School of Biology which has been evaluated by an independent international committee (Law no 3374/2005, art.7) in May 2010
(<http://qa.bio.auth.gr>).
- 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: Graduate of University (Panepistimio)
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 according to the Ministerial Decision no Φ.5/89656/B3, 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 - aims:

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.

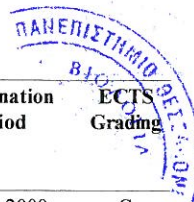
The Undergraduate Study Program (USP) provided by the Department of Biology aims at training bioscientists to study and comprehend the evolution of life and its complexity, from the molecular to the ecosystem level and to promote research in the biological sciences and related state-of-the-art applications. 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) communicate in a foreign language, 3) search, process, analyse and synthesize data and information, use also the necessary technologies, 4) adapt to novel situations and make decisions, 5) work independently or in groups in international and/or interdisciplinary contexts, 6) generate new research ideas and design and manage projects, 7) respect diversity, multiculturalism and the natural environment, 8) demonstrate social, professional and moral responsibility and sensitivity to gender issues, 9) view themselves as well as others critically, 10) promote free, inductive and deductive thinking.

4.3 Programme details (e.g. modules or units studied and individual grades/marks/credits obtained) (if this info is available on an official manuscript this should be used):

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):

Courses	Code	Type	Sem.	ECTS credits (Student workload)	Grade	Examination period	ECTS Grading
MATHEMATICS AND STATISTICS IN BIOLOGY	EC.01.01	COR	1	5.0	8	FEB. 2008	B
MICROBIOLOGY	GM.01.06	COR	1	7.0	7	FEB. 2008	B
MORPHOLOGY & SYSTEMATICS OF INVERTEBRATES	ZO.01.03	COR	1	8.0	7	SEPT. 2008	B
PLANT MORPHOLOGY	BO.01.04	COR	1	7.0	8	SEPT. 2008	B
PHILOSOPHY & MODERN TRENDS OF BIOLOGY	GM.01.05	COR	1	2.0	7	FEB. 2008	C
PHYSICAL CHEMISTRY	GM.01.02	COR	1	5.0	7	FEB. 2008	B
PLANT ANATOMY	BO.02.09	COR	2	6.0	7	JUNE 2008	C
BIOCHEMISTRY	GM.02.07	COR	2	7.0	5	SEPT. 2008	D
GENERAL ECOLOGY	EC.02.11	COR	2	6.0	6	JUNE 2008	C
MOLECULAR BIOLOGY	GM.02.10	COR	2	7.0	7	SEPT. 2008	C
MORPHOLOGY & SYSTEMATICS OF CHORDATA	ZO.02.08	COR	2	8.0	7	JUNE 2008	B
CELL BIOLOGY	GM.03.14	COR	3	7.0	6	SEPT. 2009	C
GENETICS	GM.03.15	COR	3	7.0	9	FEB. 2009	B
ANIMAL PHYSIOLOGY I	ZO.03.12	COR	3	7.0	7	FEB. 2009	B
PLANT PHYSIOLOGY	BO.03.13	COR	3	8.0	8	FEB. 2010	B
DEVELOPMENTAL BIOLOGY	GM.04.19	COR	4	6.0	6	JUNE 2009	C
POPULATION ECOLOGY	EC.04.16	COR	4	7.0	9	SEPT. 2009	A



Courses	Code	Type	Sem.	ECTS credits (Student workload)	Grade	Examination period	ECTS Grading
EVOLUTION WITH ELEMENTS OF POPULATION GENETICS	GM.04.20	COR	4	5.0	6	SEPT. 2009	C
SYSTEMATIC BOTANY	BO.04.18	COR	4	7.0	8	JUNE 2009	B
ANIMAL PHYSIOLOGY II	ZO.04.17	COR	4	6.0	8	SEPT. 2009	B
BIOLOGICAL ANTHROPOLOGY	GM.MGB.7.1	ELC	7	5.0	10	FEB. 2011	A
DIDACTICS OF BIOLOGY	EC.ENB.7.7	ELC	7	6.0	9	FEB. 2011	B
ANIMAL ETHOLOGY	ZO.ENB.7.11	ELC	7	6.0	8	SEPT. 2011	B
FOOD CHEMISTRY	GM.MGB.7.2	ELC	7	6.0	9	FEB. 2011	B
MEDICAL BASE OF HEARING DISORDERS	AT0001	ELC	8	6.0	9	JUNE 2011	C
ECOTOXICOLOGY	GM.MGB.8.1	ELC	8	6.0	8	SEPT. 2011	B
IMMUNOLOGY	GM.MGB.5.1	COM	5	5.0	8	FEB. 2010	B
HUMAN GENETICS	GM.MGB.5.3	COM	5	5.0	8	SEPT. 2010	B
GENETIC ENGINEERING	GM.MGB.5.4	COM	5	5.0	9	SEPT. 2010	A
SPECIAL TOPICS IN CELL BIOLOGY	GM.MGB.5.5	COM	5	2.0	7	SEPT. 2011	B
SPECIAL TOPICS ON GENETICS	GM.MGB.5.2	COM	5	6.0	7	FEB. 2010	C
SPECIAL TOPICS IN MOLECULAR BIOLOGY	GM.MGB.5.6	COM	5	6.0	8	SEPT. 2010	B
BIOINFORMATICS	GM.MGB.6.7	COM	6	5.0	7	JUNE 2010	C
BIOTECHNOLOGY OF ANIMALS AND PLANTS	GM.MGB.6.9	COM	6	6.0	7	JUNE 2010	B
BIOTECHNOLOGICAL APPLICATIONS OF MICROORGANISMS	GM.MGB.6.8	COM	6	5.0	10	JUNE 2011	A
SPECIAL TOPICS IN MICROBIOLOGY	GMMGB.6.11	COM	6	5.0	8	JUNE 2010	B
MECHANISMS OF DIFFERENTIATION	GMMGB.6.12	COM	6	5.0	9	SEPT. 2010	B
ECONOMY AND LEGAL ASPECTS IN BIOTECHNOLOGY	GMMGB.6.10	COM	6	2.0	9	JUNE 2010	B
DISSERTATION I	GE0101	DIS	7	6.0	10	FEB. 2012	A
DISSERTATION II	GE0102	DIS	7	6.0	10	FEB. 2012	A
DISSERTATION III	GE0103	DIS	8	6.0	10	FEB. 2012	A
INTERNSHIP 1	GE0201	PRT	8	6.0	10	FEB. 2012	A
INTERNSHIP 2	GE0202	PRT	8	6.0	10	FEB. 2012	A
TOTAL ECTS				250			

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: «ACUTE MYELOID LEUKEMIA AND ITS DIAGNOSIS WITH FLOW CYTOMETRY»
DISSERTATION I-III: «Evaluation of the insecticidal and genotoxic activity of the essential oil of the plant *Pimpinella anisum* and the essential oils constituents b-pinene, terpinyl acetate and alpha-terpineol at dipterous insect *Drosophila melanogaster*»

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 <PASS> 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 following: 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 :

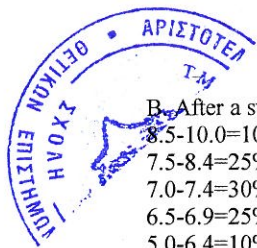
A. A scale of 1 to 10 applies to the marks of each subject in the Hellenic Higher Education. The grading scheme is as follows in the qualification Ptychion (Ministerial Decision no Φ.1231/B1/425 art.60, Hellenic Government Gazette no 1099/2000/B):

Άριστα (Arista) Excellent: 8.50-10.00

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

Καλώς (Kalos) Good : 5.00-6.49

Minimum passing grade : 5



B. After a statistical analysis the grades of the School of Biology are distributed normally in the following way:

8.5-10.0=10%=A=Excellent
 7.5-8.4=25%=B=Very Good
 7.0-7.4=30%=C=Good
 6.5-6.9=25%=D=Satisfactory
 5.0-6.4=10%=E=Sufficient (Pass)

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

"Λίαν Καλώς" (Very Good): 7.97

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):

No additional professional qualification is necessary for the Graduates in order to be employed in the public or private sector.

6. ADDITIONAL INFORMATION

6.1 Additional information:

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>

GREEK MINISTRY OF EDUCATION, LONG LIFE LEARNING 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: 19/3/2012

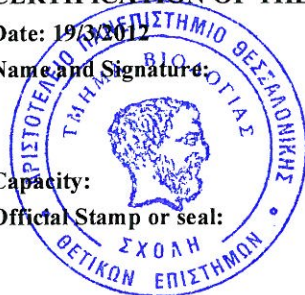
7.2 Name and Signature:

Mr. Chariton-Sarl CHINTIROGLOU, 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. 49923/2008 (Hellenic Government Gazette no 873/2008/B).



8. "INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM"

<https://webgate.ec.europa.eu/fpfis/mwikis/eurydice/index.php/Greece:Overview>

Higher education constitutes the last level of education system and comprises the University and Technological sectors. The University sector includes Universities, Technical Universities, and the School of Fine Arts. The Technological sector includes the Technological Education Institutions (TEIs), and the School of Pedagogical and Technological Education (ASPETE). Lifelong Learning policy in Greece is part of a wider development plan aiming at giving emphasis to human knowledge, abilities and skills.

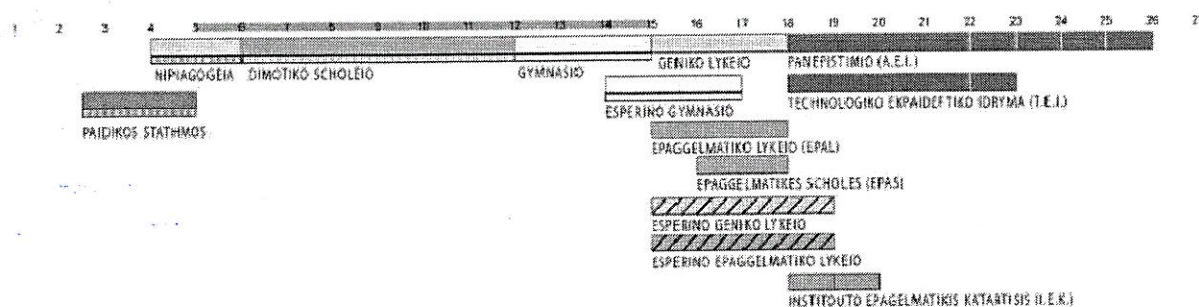
The Greek education system is governed by national laws and legislative acts (decrees, ministerial decisions). The general responsibility for education lies with the Ministry of Education Lifelong Learning and Religious Affairs. The Child and Infant Centres run by the Municipal Authorities.

The administration of primary and secondary education is conducted hierarchically by: the Ministry of Education Lifelong Learning and Religious Affairs; the Regional Education Directorates; the Directorates of Education (Prefecture); the Education Offices (Province); and the School.

Higher education institutions are fully self-administered legal entities of public law. Collective bodies that are established and act in compliance with special legislation administer each institution.

Detailed information on the Greek education system can also be sought at the Ministry of Education Lifelong Learning and Religious Affairs website.

Structure of the national education system 2011/12



Pre-primary education (ISCED 0) For which the Ministry of Education is not responsible	General lower secondary education (ISCED 2)	Short-cycle Higher education (ISCED 5B)
Pre-primary education (ISCED 0) For which the Ministry of Education is responsible	Vocational lower secondary education (ISCED 2)	Higher education (ISCED 5A)
Primary education (ISCED 1)	General upper secondary education (ISCED 3)	Part-time or combined school and workplace courses
Single structure education: integrated primary and lower secondary (ISCED 1 + 2)	Vocational upper secondary education (ISCED 3)	
	Post-secondary non-tertiary education (ISCED 4)	
Compulsory full-time education	Additional year	Study abroad
Compulsory part-time education	Compulsory work experience + its duration	Allocation to the ISCED levels:
		ISCED 0 ISCED 2
		ISCED 1