



Document Verification  
Id

## HELLENIC REPUBLIC

ARISTOTELEIO PANEPISTIMIO THESSALONIKIS (ARISTOTLE UNIVERSITY OF THESSALONIKI)

FACULTY OF HEALTH SCIENCES

SCHOOL OF MEDICINE

INTERDEPARTMENTAL POSTGRADUATE STUDY PROGRAM "MEDICAL INFORMATICS"

<http://promesip.med.auth.gr/> · Tel.: 2310995757 · email: [promesip@med.auth.gr](mailto:promesip@med.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):** Baltadoros  
1.2 **Given Name(s):** Lampros  
1.3 **Date of birth (day/month/year),  
Place, Country of Birth:** 19/08/1994, Karditsa, Greece  
1.4 **Student identification number or code:** 1130171081674646

#### 2. INFORMATION IDENTIFYING THE QUALIFICATION

- 2.1 **Name of the qualification and (if applicable) title, conferred (in original language):**  
Δίπλωμα Μεταπτυχιακών Σπουδών, Δ.Μ.Σ.(Diploma Metaptychiakon Spoudon-Degree of Postgraduate Studies).  
2.2 **Main field(s) of study for the qualification:**  
"Medical Informatics"  
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:** 2nd Cycle  
3.2 **Official length of programme:**  
4 SEMESTERS, 120 ECTS  
A full academic year is equivalent to 60 ECTS units and each semester to 30 ECTS (European Credit Transfer System) (1ECTS= 25-30). 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). A full academic year is equivalent to 60 ECTS units and each semester to 30 ECTS.  
3.3 **Access requirement(s):**  
PTYCHIO (Degree from a University in Greece or from a recognized foreign institution of equivalent status or from a Technological Education Institute) on Informatics, Electrical and/or

**4. INFORMATION OF THE CONTENT AND RESULTS GAINED****4.1 Mode of study:**

Full-time.

**4.2 Programme requirements:**

To obtain their qualification from the Interdisciplinary Postgraduate Study Programme (PROMESIP) "Medical Informatics" of the Schools of Medicine, Electrical & Computer Engineering and Informatics, according to the Law (Hellenic Government Gazette) 2813/16-07-2018, 1290/16-04-2019 and 3566/24-09-2019, graduate students have to successfully complete 4 semesters that correspond to 120 ECTS. The graduate students have to attend and complete successfully the exams of the courses (basic knowledge, targeted scientific knowledge, and skill development) that are distributed as follows: a) 1st semester (30 ECTS), b) 2nd semester (30 ECTS), and c) 3rd semester (30 ECTS). During the 4th semester (30 ECTS) students have to complete their Master's Thesis, which they defend in public.

The program aims to provide high quality graduate education in Medical Informatics, a modern field of medicine, which resulted from the development of IT and new technologies, as well as their application in medicine. The aim is to promote interdisciplinary approaches and specialized graduates in areas of technological applications in Medical research, which will be able to contribute to health care through research, development and service delivery. The educational content of the program is theoretical, laboratory and practical education as well as training of students through knowledge and skills transfer relating both to general research methodology in medical informatics as well as specialisation in applied medical research.

The graduates of PROMESIP program are capable of a) handling programming environments for the development of algorithms, databases and applications, b) applying data management methods and biomedical signal-image processing methods, c) handling bibliography and e-learning educational environments and developing web applications.

Upon completion of their qualification, in addition to the basic knowledge of their discipline and profession they are also able to: 1) apply knowledge in practice, 2) search, process, analyse and synthesize data and information using the necessary technologies, 3) work independently or in groups and/or interdisciplinary contexts, 4) adapt to novel situations and make decisions, 5) understand/communicate in a second foreign language, 6) generate new research ideas and scientific knowledge, 7) demonstrate responsibility, 8) view themselves as well as others critically, and 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=compulsory courses. Course codes denote the lesson's serial number)

| Code    | Courses   | Type | ECTS Credits | Grade | Examination Period |
|---------|---|------|--------------|-------|--------------------|
| IIIA001 | Functional systems anatomy and morphology   | COR  | 7.5          | 7     | FEBR 2021          |
| IIIA002 | Systems Physiology  | COR  | 7.5          | 10    | FEBR 2021          |
| IIIA005 | Scientific programming for medical data analysis  | COR  | 7.5          | 10    | FEBR 2021          |
| IIIA006 | Design principles of medical information systems  | COR  | 7.5          | 10    | FEBR 2021          |
| IIIB001 | Bio-data and applications - Bioinformatics  | COR  | 7.5          | 10    | JUNE 2021          |
| IIIB002 | Networks and Internets  | COR  | 7.5          | 9     | JUNE 2021          |
| IIIB003 | Biomedical image processing   | COR  | 7.5          | 8     | JUNE 2021          |
| IIIB004 | Biomedical signal processing  | COR  | 7.5          | 10    | JUNE 2021          |
| IIIF002 | Modern and integrated techniques for medical information management, interfaces, interaction and medical decision support systems | COR  | 8.0          | 10    | FEBR 2022          |
| IIIF004 | Technology and standards of medical devices and data  | COR  | 8.0          | 9.5   | FEBR 2022          |
| IIIF005 | Biological systems simulation   | COR  | 6.0          | 10    | FEBR 2022          |
| IIIF006 | Health Care databases and e-Health information  | COR  | 8.0          | 10    | FEBR 2022          |

**PROJECT**

|                |      |   |   |
|----------------|------|---|---|
| Diploma Thesis | 30.0 | 9 | - |
|----------------|------|---|---|

**Total ECTS:****120.0****Diploma Thesis:** "A Smart and interoperable Platform for health data discovery based on Living Lab collections"**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. The grading scheme for the qualification of the Interdisciplinary Postgraduate Study Program follows the following distribution : (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 : 6.00 - 6.49

Ανεπιτυχώς (Anepitychos) Fail : 0,00 - 5,99

Minimum passing grade : 6 (AUTH Rule of Procedure Α.Π.Θ., no 127/2-2-11).

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

«Άριστα» (Excellent) 9,34

**5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION****5.1 Access to further study:**

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

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

Professional qualification is not applicable in the public or private sector.

**6. ADDITIONAL INFORMATION****6.1 Additional information:**

School of Medicine Program Evaluation Link:

[https://qa.auth.gr/documents/accreditation/reports/Final Accreditation Report UGP Medicine AUTH.pdf](https://qa.auth.gr/documents/accreditation/reports/Final%20Accreditation%20Report%20UGP%20Medicine%20AUTH.pdf)

School of Medicine Accreditation Link:

[https://qa.auth.gr/documents/accreditation/reports/UGP Medicine AUTH.pdf](https://qa.auth.gr/documents/accreditation/reports/UGP%20Medicine%20AUTH.pdf)

**6.2 Further information sources:**

WEBSITE OF THE INTERDISCIPLINARY POSTGRADUATE PROGRAM OF STUDIES:

<http://promesip.med.auth.gr>

SCHOOL OF MEDICINE: <http://www.med.auth.gr>

SCHOOL OF INFORMATICS: <http://www.csd.auth.gr>

SCHOOL OF ELECTRICAL AND COMPUTER ENGINEERING: <http://www.ee.auth.gr/>

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

GREEK MINISTRY OF EDUCATION, RESEARCH 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/documents/thematic\\_reports/122EN.pdf](http://eacea.ec.europa.eu/education/eurydice/documents/thematic_reports/122EN.pdf)

[http://eacea.ec.europa.eu/education/eurydice/documents/thematic\\_reports/122en.pdf](http://eacea.ec.europa.eu/education/eurydice/documents/thematic_reports/122en.pdf)

**7. CERTIFICATION OF THE SUPPLEMENT**

**7.1 Date: 07/10/2022**

**7.2 Name and Signature: Theodora Gazopoulou-Tsouflidou**

(signature)

**7.3 Capacity: On behalf of the Rector, the Head of the Administration Office**

**7.4 Official Stamp or seal:**

This certificate is issued for use in abroad and is signed by the Head of the Administration Office of the School, according to Rector's Decision No 4749/11.10.2019 (Official Journal of the Hellenic Republic 3962/30.10.2019, vol. B').

## 8. 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:

- (a) the University sector (A.E.I.): Universities, Technical Universities, Fine Arts School, etc., and
- (b) 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)

