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HELLENIC REPUBLIC

ARISTOTELEIO PANEPISTIMIO THESSALONIKIS (ARISTOTLE UNIVERSITY OF THESSALONIKI)

FACULTY OF HEALTH SCIENCES

SCHOOL OF MEDICINE

JOINT POSTGRADUATE STUDIES PROGRAMME "BIOMEDICAL ENGINEERING"

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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):** Arvanitidis
1.2 Given Name(s): Athanasios
**1.3 Date of birth (day/month/year),
Place, Country of Birth:** 06/07/1999, THESSALONIKI, Greece
1.4 Student identification number or code: 1183154874874688

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:
BIOMEDICAL ENGINEERING
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:
English

3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

- 3.1 Level of qualification:** 2nd Cycle
3.2 Official length of programme:
3 SEMESTERS, 90 ECTS
A full academic year of study equals 60 ECTS credits (European transfer and accumulation system of credits) and a full semester with 30 ECTS (1 ECTS = 25-30 hours of student workload) (Harmonization of Greek legislation, UNHCR D5/ 89 656/ B3, GG 1466/2007/ B, art. 1-3, according to the European). In each course is assigned the number of required ECTS (> = 2) expressing the workload required by the student to complete the course, workshop, tutoring, internships, etc.
3.3 Access requirement(s):
According to the provisions of article 34 of Law 4485/2017, and the Postgraduate Studies Regulation of the DPMS, the evaluation of all candidates is carried out in two phases. In the first

phase, all candidates are evaluated based on the following criteria:

The overall grade of the degree. The candidate's performance in undergraduate courses related to the DPMS. The candidate's performance in a diploma or degree thesis. Any existing professional or research activity related to the academic subjects of the DPMS. Possession of other diplomas or postgraduate degrees related to the academic subjects of the DPMS. Publications in scientific journals and conference proceedings. In the second phase, the evaluation of all candidates is based on the results of interviews set by the candidate selection committee.

4. INFORMATION OF THE CONTENT AND RESULTS GAINED

4.1 Mode of study:

Full attendance.

4.2 Programme requirements:

The student is required to attend the courses of the 1st and 2nd semesters, which correspond to 60 ECTS credits, and in the 3rd semester to prepare a postgraduate diploma thesis, which corresponds to 30 ECTS. Students in the 2nd semester are given the opportunity to prepare an extensive research postgraduate thesis. In this case, the student is required to attend only the compulsory courses of the 1st and 2nd semesters, which correspond to 40 ECTS. In the 2nd semester, in agreement with the supervisor of the DPMS lecturer, prepare a part of the diploma research paper (A' part) corresponding to 20 ECTS, instead of courses corresponding to ECTS, and the research diploma paper continues and is completed in the 3rd semester (Part B, 30 ECTS)

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 exception (COR = compulsory courses, ELC = Elective Module). Course codes denote the lesson's serial number.

Code	Courses	Type	ECTS Credits	Grade	Examination Period
BM01β	Systems biology	COR	6.0	7.5	FEBR 2023
BM02β	Physiological and anatomical modeling	COR	6.0	8	FEBR 2023
BM03	Mechanical properties of biomaterials	COR	5.0	7	FEBR 2023
BM04	Biomedical data acquisition and signal processing	COR	5.0	8	FEBR 2023
BM05	Health technology design and clinical engineering	COR	5.0	10	FEBR 2023
BM06	Seminar series on topics in biomedical engineering	COR	3.0	10	FEBR 2023
BM07	Medical physics, imaging and image processing	COR	5.0	9	JUNE 2023
BM08	Seminar series on research methodology and practice	COR	5.0	10	JUNE 2023
BM010	Artificial intelligence and medical diagnosis & decision support systems	ELC	5.0	8	JUNE 2023
BM012	Medical robotics, cyber physical engineering and virtual reality	ELC	5.0	10	JUNE 2023
BM015	Computational neuroscience - neuroengineering	ELC	5.0	9	JUNE 2023
BM020	Machine learning in biomedical data analysis	ELC	5.0	10	JUNE 2023

PROJECT

Master Thesis	30.0	10	-
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Total ECTS: **90.0**

Master Thesis: "Design and Implementation of a Normative SEMG Values Database as a Tool for Quantitative EMG in Rehabilitation Research"

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

The rating scale, to which, the grades of student performance are calculated is ten-point (0-10).

Excellent: 8.50 - 10.00 Very Good : 6.50 - 8.49

Welcome: 6.0 - 6.49 Unsuccessfully : 0.00 - 5.99.

The minimum passing mark is 6.

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

«Άριστα» (Excellent) 9.20

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study:

Access to 3rd Cycle Studies - postgraduate studies.

5.2 Professional status (if applicable):

6. ADDITIONAL INFORMATION

6.1 Additional information:

Economic Participation
Graduate students must pay tuition for three semesters.

6.2 Further information sources:

ARISTOTLE UNIVERSITY OF THESSALONIKI
DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING AUTH:
SCHOOL OF MEDICINE AUTH:
DEPARTMENT OF MECHANICAL ENGINEERING AUTH:
DEPARTMENT OF CHEMICAL ENGINEERING AUTH:
DEPARTMENT OF BIOLOGY AUTH :
DEPARTMENT OF INFORMATICS AUTH:
MINISTRY OF EDUCATION, RESEARCH AND RELIGIOUS:
EUROPEAN UNION EDUCATIONAL ISSUES: <http://www.europa.eu.int/EYPIΔIKH:>>

7. CERTIFICATION OF THE SUPPLEMENT

7.1 Date: 18/12/2024

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 40528/25-01-2024 (Official Journal of the Hellenic Republic 716/31-1-2024, 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 (2nd cycle) - equivalent to the Master's degree- and to the doctorate degree (3^d 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> (pages 82,83)

