



ΠΑΝΕΠΙΣΤΗΜΙΟ
ΠΕΛΟΠΟΝΝΗΣΟΥ
UNIVERSITY *of the* PELOPONNESE

STUDY GUIDE

YEAR: 2023-24

**POSTGRADUATE PROGRAM ENTITLED "TECHNOLOGIES
AND SERVICES OF INTELLIGENT INFORMATION AND
COMMUNICATION SYSTEMS"**

CONTENTS

Contents

1. INTRODUCTION	3
2. STUDIES	7
2.1 Announcement of Positions – Selection of Candidates	7
2.2 Academic Calendar	8
2.3 Courses	8
2.4 Preparation of a Diploma Thesis	12
2.4.1 Supervision of Diploma Thesis	13
2.4.2 Writing language	14
2.4.3 Postgraduate Diploma Thesis Examination	14
2.4.4. Method of calculating the I.M.S. grade	15
2.5. Obligations for obtaining the Master's Degree	15
2.6 Diploma and Diploma Supplement	16
3. BENEFITS TO STUDENTS	16
4. LIST OF NAMES AND CONTACT DETAILS OF TEACHERS	16

1. INTRODUCTION

The Department of Electrical and Computer Engineering (ECE) of the University of Peloponnese belongs to the School of Engineering based in Patras and was founded in May 2019 by article 46 of Law 4610/2019 (Government Gazette 70/A/07.05.2019).

The mission of the Department is to provide education and cultivate research skills to students with the aim of creating scientists with high level knowledge and skills in the science of Electrical and Computer Engineering. In particular, the Department treats the science and technology of Energy Systems, Electrical Installations, Signals, Telecommunications, Networks, Electronics, Computers, Systems, Software and Information Technology, in all their fields of application.

In order to achieve its mission, the Department offers three (3) study cycles:

In the first cycle of studies (undergraduate studies) it provides a modern Study Program lasting ten (10) academic semesters (Government Gazette 1052/B/27.03.2020) leading to the award of a single and indivisible master's level degree (Integrated Master) (decision 78075/Z1/30.06.2021 of the Deputy Minister of Education, Government Gazette 2987/τ.B'/08.07.2021) in the specialty of the Department, level 7 of the National and European Qualifications Framework and in professional rights of Electrical and Engineer Computers of the Presidential Decree 99/2018 (the decision has been taken by the competent committee of article 66 of Law 4610/2019 and the publication of the Joint Ministerial Decision in the Government Gazette is expected).

The undergraduate curriculum aims to cultivate educational and research skills in students that will enable them to successfully respond to an internationally competitive work environment and offers basic education lasting six (6) academic semesters and four (4) specializations lasting four (4) academic semesters, which are:

Energy Systems

Signals, Telecommunications and Networks

Electronics, Computers and Systems

Information Technology

The basic training and specializations aim at the high level theoretical and laboratory training of students in the following subjects of Electrical and Computer Engineering and in particular:

Generating installations, networks for the transmission, conversion, protection and distribution of electricity, including machinery, appliances and components thereof, as well as installations related to electricity, electrical machines, power electronics, lighting and electricity storage and their applications, power plants with conventional fuels or renewable energy sources, methods of economic management of electricity and the functioning of the electricity markets, regulated or not.

STUDY GUIDE OF THE POSTGRADUATE PROGRAM "TECHNOLOGIES AND SERVICES OF INTELLIGENT INFORMATION AND COMMUNICATION SYSTEMS"

Electromagnetic fields and their applications, antennas and radio waves, broadcasting systems, microwaves, microwave and optoelectronic devices and circuits, analogue and digital signals and systems, digital signal processing, analogue and digital telecommunications systems, fixed and mobile communications networks, satellite communications, computer networks, optical networks, broadband networks, sensor networks, Internet and Internet of Things technologies, administration communication systems.

Analog and digital hardware systems, circuits and devices, integrated circuits (programmable and unprogrammable), computer systems architecture, low-current electronic installations, microelectronic and nanoelectronic materials, components and devices, analog and digital systems, sensors, embedded systems, industrial automation, intelligent systems, automatic control, cyber-physical systems and the Internet of Things.

Computer Programming, Operating Systems, Application and System Software, Software Engineering, Data and Knowledge Management and Analysis, Artificial Intelligence, Virtual and Augmented Reality Systems, Human Machine Interaction, Web Applications, Cloud Computing, Intelligent Systems and Their Applications, Parallel and Distributed Processing, Data and Knowledge Science and Analytics, Visualization and Graphics, Information Systems Management, Systems management and decision-making, software security, data security.

In the second cycle of studies (postgraduate specialization studies), the Department offers the Postgraduate Program entitled "Technologies and Services of Intelligent Information and Communication Systems", which aims to develop technologies, models and methods for the efficient management and processing of large volumes, the extraction of knowledge and the assistance of decision-making in critical national/regional sectors and especially in modern cyber systems, in education and in businesses – organizations. Emphasis is also placed on the familiarization and application of entrepreneurship and open innovation.

In the third cycle of studies (doctoral studies), the Department offers a Doctoral Studies program, in areas that fall within the research interests and/or scientific fields that are treated by the Department either exclusively or more broadly according to the concept of interdisciplinarity that governs contemporary research activity. The cycle of doctoral studies is completed with the preparation of an original dissertation and the award of a PhD Diploma.

In addition to the curriculum, the Department has established institutions such as Academies, Summer Schools, Career and Engineering Days, which contribute to a stronger connection with the labor market and a better career for graduates.

The Industrial Advisory Council is an institution of the Department that provides information, advice and guidance on educational, professional and research issues. It examines and evaluates the changing needs of the labor market in the field of Electrical

STUDY GUIDE OF THE POSTGRADUATE PROGRAM "TECHNOLOGIES AND SERVICES OF INTELLIGENT INFORMATION AND COMMUNICATION SYSTEMS"

and Computer Engineering and proposes action plans to the Department to face the new technological and economic challenges.

The faculty and technical staff members of the Department have intense research activity, implementing research and development projects through institutionalized research laboratories.

The Postgraduate Program "Technologies and Services of Intelligent Information and Communication Systems" of the Department of Electrical and Computer Engineering was re-established in 2020 (Government Gazette 3743/7-9-2020, vol. B') by decision of the Senate of the University of Peloponnese. The Study Regulations were amended in accordance with the decision 27 09.01.24 of the Senate of the University of Peloponnese. According to the latest amendment of the Study Regulations, the Postgraduate Program is conducted from 2024 entirely with distance learning methods. Students who wish to communicate in person with the lecturers of the Postgraduate Program can come to the premises of the Department of Electrical Engineering and Eng. At 1 M. Alexandrou Street, Koukouli, Patras (more information on access to the department's facilities is available on the main website of [the https://www.ece.uop.gr](https://www.ece.uop.gr) department).

Its object is the development of technologies, models and methods that refer to the efficient management and processing of large amounts of data, the extraction of knowledge and the assistance of decision-making in critical national/regional sectors and in particular in modern cyber systems, education and businesses - organizations. Emphasis is also placed on the familiarization and application of entrepreneurship and open innovation. More specifically, the Postgraduate Program aims to develop, produce and transmit knowledge, know-how, methodologies, operational tools and research results in the individual scientific fields of the specializations:

(a) Intelligent Cybersystems and Services: This subject concerns the development of technologies, models and methods for cybersystems, which are a new generation of systems with exceptional dynamics, which has emerged in recent years with the emergence of the Internet of Things. Cyber systems combine the technologies of embedded systems, communication networks and decision-making systems to monitor and support functions and actions that cover a large part of the requirements and modern applications.

(b) Advanced Educational Technologies: This field concerns the study of advanced educational technologies, such as personalized learning environments, the Bring Your Own Device model, the blended learning model, cloud computing learning services, the reverse classroom, gamification, 3D-educational worlds and mass open online courses. In addition, particular emphasis will be placed on the development of methodologies for the use of educational data to support decision-making in school education and on teaching and learning analyses to support teacher research.

STUDY GUIDE OF THE POSTGRADUATE PROGRAM "TECHNOLOGIES AND SERVICES OF INTELLIGENT INFORMATION AND COMMUNICATION SYSTEMS"

(c) Business and Data Science Analytics: This subject concerns the development of technologies, models and methods that refer to the efficient management and processing of big data and the extraction of knowledge in order to support business decision-making.

The objectives of the Postgraduate Program are:

- (a) The promotion of knowledge in the subjects it includes.
- (b) The development of research in the relevant scientific areas.
- (c) The production of scientists capable of pursuing academic careers.
- (d) To meet the needs at postgraduate level for high-level business executives in the private and public sector.
- (e) The provision of the necessary high-level knowledge for efficient and effective control of human and financial resources.
- (f) To cultivate in professional business executives the interest and understanding of the increasingly complex and dynamic international productive environment.
- (g) The preparation of executives capable of promoting the development of Greek businesses both domestically and abroad.
- (h) The training of executives for the public administration and the organizations and services dependent on the State.

The duration of studies of the Postgraduate Program is three (3) academic semesters, of which the first two (2) include theoretical teaching and practice exercises and the third (3rd) includes the preparation of a diploma thesis. The total number of credits that the student must collect is **90 credits (ECTS)**. The master's curriculum was designed after taking into account the academic physiognomy and orientation of the Department of Electrical and Computer Science and comes to expand existing and cover new subjects in the directions of Intelligent Cyber Systems and Services, Advanced Educational Technologies and Business Analytics and Data Science.

Upon completion of their studies, graduates of the Postgraduate Studies Program will be able to achieve the following learning outcomes:

- To analyze the needs of end-users and to efficiently design intelligent cyber-physical systems.
- To design and implement efficient embedded and hardware systems.
- To install and efficiently use modern distributed systems and databases for large-scale data analysis and management.
- Design and propose efficient business solutions based on the tools of machine learning, knowledge mining and business intelligence.
- To put into practice the results of research and innovations related to the use

of technology in teaching.

- To monitor research results and trends in educational technology.
- Apply digital skills to address everyday problems, e.g. student and programme assessment, administration and decision-making, mentoring, training and professional development.
- To act as an agent of change and innovation in their professional environment

2. STUDIES

2.1 Call for Applications – Selection of Candidates

The Postgraduate Program is open to holders of the first cycle of studies at a domestic Higher Education Institution or equivalent foreign institutions, namely graduates:

- (a) Polytechnics, Polytechnic Schools, Schools of Sciences, Schools of Management and Economics of Universities in Greece or corresponding Departments abroad,
- (b) Departments of T.E.I. whose subject is related to the subject of Computer Science, Informatics, Electronics, Networks, Telecommunications, Management and Economics.

Within the total number of admissions, graduates of other Faculties and Departments of HEIs abroad or in Greece where they do not belong to the above categories can also be admitted at a rate of 20%. This number can be increased to cover the number of positions in the above categories, if there are not enough candidates in these categories.

Candidates can also be students of undergraduate programs, who are in the last semester of compulsory study and who will provide a certificate of completion of their courses from the relevant Department in which they are studying until the end of the registration period in the Postgraduate Program.

The members of the E.E.P. categories, as well as E.D.I.P. and E.T.E.P. of the University of Peloponnese may, upon their application, be enrolled as additional participants, and only one per year and per Postgraduate Program, provided that they serve in the relevant Department and the degree and work they perform in the relevant Department are relevant to the subject of the Postgraduate Program.

The procedure for announcing the positions of the Postgraduate Program, the necessary supporting documents that the candidate must provide and the selection process of the candidates are described in detail in the Operating Regulation of the Postgraduate Program posted on the program's website.

2.2 Academic Calendar

The Department decides on the time of publication in the press, on the internet, on the websites of the Postgraduate Program, the Department and the Institution, as well as in the announcements of the Secretariat, of a relevant announcement – invitation for expression of interest to interested candidates, on dates set by the Assembly, following the recommendation of the Steering Committee.

Each new cycle of the Postgraduate Program can start either in the winter or in the

STUDY GUIDE OF THE POSTGRADUATE PROGRAM "TECHNOLOGIES AND SERVICES OF INTELLIGENT INFORMATION AND COMMUNICATION SYSTEMS"

spring semester. The courses last a minimum of 13 weeks, followed by the exams. The start and end of the courses of each semester as well as the dates of the examinations are announced in time by the secretariat on the website of the Department as well as on the website of the Postgraduate Program. In the same way, the weekly timetable of the courses is announced. Classes can be held on weekdays, in the afternoon or on Saturday, in the morning.

2.3 Courses

For the successful completion of the Postgraduate Program and the award of the Postgraduate Diploma, the postgraduate student must attend and be successfully examined in a total of ten (10) postgraduate courses, five (5) in the first semester and five (5) in the second semester, as well as write and be successfully examined in the diploma thesis (third semester).

Each academic semester corresponds to thirty (30) credits (ECTS). The educational process of each course includes one or more of the following forms: (a) distant learning, (b) assignment of assignments individually or in groups, (c) educational visits and excursions and (d) preparation of a diploma thesis.

In the second semester of studies, postgraduate students are invited to choose one of the three specializations of the Postgraduate Program. A specialization is offered if it has been selected by at least two (2) students. The Assembly may by decision modify the minimum limit of students for the operation of each specialization.

The detailed curriculum for the postgraduate courses offered by the Postgraduate Program is as follows:

SEMESTER A			
Compulsory Courses			
Code	ECTS	Title	
MSC-IICS-101	6	Internet Things	of Basic concepts of Internet of Things (IoT) systems, technologies and practical design issues. Aspects of IoT systems related to communication, processing, programming, energy, etc. challenges. Dominant relevant technologies, advanced platforms and software packages through which students will have the opportunity to focus on practical issues of design, development and study. IoT systems
MSC-IICS-102	6	Distributed Systems	Advanced topics of Distributed Computing and Distributed Systems. It includes common memory-based synchronization issues, advanced topics of Fundamental Distributed Computing, Algorithms and techniques for load and resource balancing and scheduling problems, Distributed Transactions and Distributed Databases, Distributed Peer-to-Peer Networks, Design and implementation of distributed applications with MPI and Python.
MSC-IICS-103	6	Next Generation Networks	Study of advanced networking technologies shaping the future of modern communications. It includes training in 5G & 6G, multi-access, transmission technologies that takes into account quality of service rules, operations in networks defined by software, next generation networks, economic and technical issues of convergence of fixed and mobile communication technologies, security, performance and management problems in the new networks, with an emphasis on serving real-time requirements.

STUDY GUIDE OF THE POSTGRADUATE PROGRAM "TECHNOLOGIES AND SERVICES OF INTELLIGENT INFORMATION AND COMMUNICATION SYSTEMS"

MSC-IICS-104	6	Machine Learning Technologies	Introduction and deeper understanding of the field of machine learning, with a special focus on the use of the Python programming language. Knowledge and skills to develop advanced machine learning applications in fields such as natural language processing and audio signal processing
MSC-IICS-105	6	Technology and Entrepreneurship	Basic concepts of entrepreneurship in the modern environment of the world wide web with emphasis on the design and implementation of efficient e-entrepreneurship applications. Understanding the concept of the business model and its components. How it operates at a business and technological level (advertising networks, beacons, web cookies, retargeting, etc.). Special issues such as security and privacy technologies and services as well as modern electronic transaction processing services (credit cards, bitcoin, e-wallet, etc.) will be presented in detail.

In the first semester, the student is enrolled in five (5) courses, all compulsory, with a total of thirty (30) ECTS (5 courses x 6 ECTS/course = 30 ECTS).

SECOND SEMESTER – Specializations			
Compulsory Courses			
Code	ECTS	Title	
MSC-IICS-201	6	Advanced Security Systems	Basic and advanced cryptography concepts for computer system security. Symmetric and asymmetric cryptography algorithms, properties of cryptography algorithms, and basic structures used in the design of secure cryptography algorithms. Modern symmetric and, asymmetric algorithms and in modern hash functions. Modern cryptographic protocols in computer systems security systems.
MSC-IICS-202	6	Cloud Computing Technologies	Basic concepts in cloud computing technologies. The three most popular commercial cloud platforms available (Amazon, MS Azure, Google Cloud) are examined in detail, as well as the basic open source cloud computing development platform (OpenSack). Techniques for installing, configuring and managing the resources of a cloud computing (computers, storage media and networks). Developer topics, such as: development of applications such as PaaS (Platform as a Service) and SaaS (Software as a Service), microservices, scheduling of tasks in cloud computing, software defined networks, etc.
MSC-IICS-203	6	Big Data Management Systems	Familiarization of students, at the level of theory and practice, with the efficient management of big data for effective data processing at the operational level. The course deals with Data Sources and Types, Data Analysis and Modeling, key-value storage, column storage model, graph model, Distributed File Systems for Big Data, Big Data Management Systems, NoSQL Databases, NoSQL Graph – Text-Column Databases.

Compulsory Elective Courses			
The courses of the specialization that the student will choose:			
Specialization 1: Intelligent Cyber Systems and Services			
MSC-IICS-211	6	Intelligent Cyber-Physical Systems	Advanced topics in the design of integrated (end-to-end) cyberphysical systems and their challenges. Technologies and advanced issues of hardware, software, communications and embedded systems where they are applied and interact with cyber-physical systems. Cyberphysical Systems Basics and Architectures
MSC-IICS-212	6	User Interface Design for	Advanced interface design and interaction design processes for mobile devices and any smart device. The basic application design background and cognitive psychology topics necessary to support the theoretical background of understanding human behavior are presented, as well as basic principles of user-friendly interfaces. Emphasis on web applications as well as tactile

STUDY GUIDE OF THE POSTGRADUATE PROGRAM "TECHNOLOGIES AND SERVICES OF INTELLIGENT INFORMATION AND COMMUNICATION SYSTEMS"

		Intelligent Services	environments (touch screens) but also on design for different age groups and people with special needs.
Specialization 2: Advanced Educational Technologies			
MSC-IICS-221	6	Advanced Educational Technology Systems	Modern technological trends and applications in education. New teaching approaches using Information and Communication Technologies to develop innovative educational programs and new trends in educational technology, including virtual learning environments, e-learning platforms, MOOCs, information systems for education administration, the use of language technologies in education, and educational data analytics. Advantages and challenges of online courses and design of advanced learning contents to improve the teaching process, but also to discuss ethical issues that can arise from the use of these tools.
MSC-IICS-222	6	Digital Skills for STEM Sciences	Developing digital skills through STEM technologies. Includes: Computational thinking in teaching, Introduction to STEM theory & methodology, Design of STEM and ICT teaching scenarios, Digital teaching scenarios and their implementation on existing platforms, Design of STEM educational activities for people with special educational needs, Materials for educational activities, such as building materials, mechanical, electrical and electronic elements, sensors, motors, buzzers, screens, etc., STEM support software, such as design and printing of 3D models, simulation of electrical circuits, etc., Platforms for the development of educational activities, such as Arduino and Raspberry Pi. Application development with Arduino, Educational Robotics.
Specialization 3: Business and Data Science Analytics			
MSC-IICS-231	6	Business Intelligence	Introduction to Business Intelligence to understand decision support and operational intelligence systems. Application in business data analysis, strategy development, and decision-making process. Business Intelligence (BI) architectures, the modules, the platforms and the role of OLAP and OLTP. Data visualization, for effective data presentation and interpretation techniques. The course also explores Business Performance Management, its integration into business intelligence and key performance indicators while dealing with collaborative decision-making, knowledge management, and the use of recommendation systems in business intelligence.
MSC-IICS-232	6	Advanced Knowledge Mining Techniques	Advanced Data Mining and Analysis topics. It includes design of efficient infrastructure architectures for knowledge mining, technologies/techniques for data collection from the Web and Social Networks, Natural Language Processing (NLP) and its applications, use of integrated distributed Systems/Ecosystems for knowledge mining from big data, applications of Deep Learning in knowledge mining, mining/analysis of data from social networks, Fog/Edge analytics, advanced features and applications of NoSQL DBs in knowledge mining,
Total	30		

In the second semester, the student is enrolled in five (5) courses, three (3) compulsory and two (2) elective depending on the specialization he chooses. A total of thirty (30) ECTS (5 courses x 6 ECTS/course = 30 ECTS). It is noted that each student can choose a specialization if he has failed a maximum of one course of the first semester.

THIRD SEMESTER		
Code	ECTS	Title
MSc-MSc	30	Diploma thesis
Total	30	

Students of the second semester of the Postgraduate Program, in addition to the specialization they will choose, will be able to choose additional courses to attend at the corresponding percentage cost. The selection of courses is made by their application to the secretariat of the Postgraduate Program. If they are successfully examined in these courses, they will be listed in the Diploma Supplement that is granted together with the Postgraduate Diploma they will receive.

In order to obtain the Master's Degree, it is required to collect 90 credits: 60 ECTS from the 10 courses provided in the Postgraduate Program and 30 ECTS from the diploma thesis.

2.4 Preparation of a Diploma Thesis

Postgraduate students enrolled in the third semester of studies undertake to prepare a postgraduate diploma thesis (M.D.E.) in collaboration with a lecturer of the Postgraduate Program. The diploma thesis can be of research or technical content and must have a sufficient degree of originality or demonstrate good knowledge and in-depth understanding of a special topic of current research or technical interest.

During the second semester of studies, the Secretariat of the Postgraduate Program announces a list of proposed topics for diploma theses, which is created by the suggestions of the teachers of the Postgraduate Program and in which topics of current research interest, related to their scientific subject, are described. Each instructor of the Postgraduate Program must propose at least two (2) topics per cycle of study.

With the renewal of the registration of the third semester, the postgraduate student selects and declares one (1) of the topics of paragraph 2 to the Steering Committee for approval.

The supervising professor and the other two members of the Examination Committee must belong to the teaching staff of the Postgraduate Program. The members of the Committee must have the same or related scientific specialty as the subject of the diploma thesis.

Each member of the teaching staff of the Postgraduate Program can undertake the supervision of up to five (5) diploma theses or more by decision of the Assembly.

A prerequisite for the evaluation of the diploma thesis is the successful completion of all the courses of the Postgraduate Program, i.e. those offered in the first and second semesters of study.

Diploma theses are submitted for evaluation twice per academic year on dates set by decision of the Assembly. The evaluation takes place in a public presentation, which is announced by the Secretariat of the Postgraduate Program on the website of the Postgraduate Program.

Diploma theses, if approved by the examination committee, must be posted on the website of the School of Engineering of the Institution.

Other issues related to the Diploma Thesis can be specified in the Regulations for the Preparation of Theses of the Postgraduate Program.

2.4.1 Supervision of Diploma Thesis

The Steering Committee, following the application of the interested party, which states the proposed title of the thesis, the proposed supervisor and an attached summary of the proposed thesis, recommends its supervisor and the three-member examination committee for the approval of the thesis, one of the members of which is the supervisor. The recommendation of the Steering Committee is approved by the Assembly of the Department, in accordance with par. 2 (b), of article 82, of Law 4957/2022.

The following have the right to supervise diploma theses, provided that they hold a doctoral degree:

- a) Members of D.E.P., E.E.P., E.D.I.P. and E.T.E.P. of the Department or other Departments of the same or another H.E.I. or Higher Military Educational Institution (A.S.E.I.), with additional employment beyond their legal obligations, if the Postgraduate Program has tuition fees,
- b) Emeritus Professors or retired faculty members of the Department or other Departments of the same or another HEI,
- c) Collaborating teachers,
- d) Adjunct lecturers,
- e) Visiting professors or visiting researchers,
- f) Researchers and special functional scientists of research and technological bodies of article 13A of Law 4310/2014 (A' 258) or other research centers and institutes in Greece or abroad. By decision of the competent body of the Postgraduate Program, the supervision of diploma theses may also be assigned to members of the D.E.P., E.E.P., E.T.I.P. and postdoctoral researchers of the Department, who have not undertaken teaching work in the Postgraduate Program, provided that they hold a doctoral degree.

In exceptional cases of objective inability to exercise supervisory duties for a long period of time or the existence of another important reason, the Steering Committee, assessing the circumstances, may recommend to the Assembly of the Department, after justifying its decision, the replacement of the supervisor or Member of the Three-Member Examination Committee. The replacement can be carried out at the request of the postgraduate student and the opinion of the proposed supervisor or member, either on the proposal of the supervisor or a member of the Three-Member Examination Committee.

Instructions for writing the postgraduate thesis, e.g. cover, font, minimum-maximum number of words and anything else related to its structure, are mentioned in the Regulation for the Preparation of Theses prepared by the Postgraduate Program and posted on its website.

2.4.2 Writing language

The diploma thesis is written in Greek or English according to the established academic

standards and may be accompanied by the supporting material deemed necessary. If the language of writing the thesis is Greek, then the diploma thesis must include an extended abstract in English. If English or any other foreign language is chosen as the language of writing, then an extended summary in Greek must be included in the diploma thesis.

2.4.3 Postgraduate Diploma Thesis Examination

In order for the thesis to be approved, the postgraduate student must publicly defend it before the Three-Member Examination Committee.

At the end of the writing period of the Postgraduate Diploma Thesis and after the consent of the supervisor, the postgraduate student submits electronically or in print three (3) copies of his/her thesis to the members of the three-member Examination Committee. Under the supervision of the supervisor and with the consent of the members of the examination committee, the time for the support of the diploma thesis is determined, based on the provisions of the Regulation for the Preparation of Diploma Theses of the Postgraduate Program. It is pointed out that the submission of the Postgraduate Thesis to the members of the Committee should be made at least 15 days before the beginning of the examination period. Otherwise, the members of the Examination Committee have the option of postponing the examination to a subsequent examination period.

In order to ensure the correct and ethical use of sources and to prevent plagiarism phenomena, the report of textual identification from the plagiarism detection software "Turnitin", which is submitted by the postgraduate student to the Secretariat, under the responsibility of the supervisor, must be attached when submitting the Master's Degree.

In case of a negative judgment, the postgraduate student has the right to request a review of his/her diploma thesis after a period of at least one (1) month has elapsed and provided that he/she has made the corrections proposed by the Examination Committee.

In case of a new negative assessment of the Master's Degree (i.e. even after the second submission), the Assembly decides whether the student repeats the procedure with the same or a new topic, provided that he/she has not exceeded the maximum duration of study, as defined in the Regulation of the Postgraduate Program, or if he/she is permanently deleted from the program without successfully completing his/her studies.

In case of acceptance of the Master's Thesis, if the supervisor ascertains that any improvements have been incorporated, the final text of the thesis is submitted in five (5) electronic copies (one (1) for the library, one (1) for the Secretariat and one (1) for each member of the Examination Committee) to the Secretariat of the Department.

Students who have been successfully examined are linked to the Institutional Depository "Amitos" with their institutional account and deposit their work. The detailed process of submission by the student is analyzed in the guide posted on the website of the Library and Information Center of the Institution. Once the submission

to Amitos has been completed and the registration and publication has been approved, no change in the work is possible. Withdrawal and deletion are not possible, as the works are the intellectual property of the Foundation.

On the website of each Postgraduate Program, all approved postgraduate diploma theses that have been submitted to the Institutional Repository of the University of the Peloponnese are posted. Instead of posting each individual thesis, the website of the Postgraduate Program may refer to an appropriate page of the institutional repository on which the diploma theses of the Postgraduate Program are cataloged.

In the event that, after the award of the diploma, it is found that the Master's Degree is the product of plagiarism, the Assembly of the Department or the E.P.S. may revoke the postgraduate degree by a new decision.

2.4.4. Method of calculating the I.M.S. grade

The grading scale for the evaluation of the performance of postgraduate students is set from 0.00 to 10.00 as follows:

Distinction 8.50 to 10.00

Very Good 7.00 to 8.50 not included,

Satisfactory 6 to 7.00 not included.

The final grade of the postgraduate student is determined by the grades of the courses (B.M.) based on the corresponding credits (Π.Μ.), and by the grade of the diploma thesis (B.Δ.E.) based on the corresponding credits (Π.Μ.Δ.E.) as well as other obligations provided for in the relevant Study Guide of the Postgraduate Program, with the accuracy of the second decimal place. The final grade of the Master's Degree (M.D.E.) is calculated according to the formula:

$$Final\ Grade = \frac{1}{90} \left(\sum_{i=1}^{10} \{B.M.(i) * \Pi.M.(i)\} + B.\Delta.E * \Pi.M.\Delta.E. \right)$$

2.5. Obligations for obtaining the Master's Degree

In order to receive the Master's Degree, it is required to successfully complete the five (5) compulsory courses of the first semester, the three (3) compulsory courses of the second semester, the two (2) elective courses of the specialization of studies chosen by the student, the successful completion of the diploma thesis as well as the payment of the tuition fees.

Upon completion of his/her academic and financial obligations, the student may receive a certificate of successful attendance and completion of the Program with the indication that his/her oath is pending.

2.6 Diploma and Diploma Supplement

Graduates of the Postgraduate Program who have successfully completed their obligations are awarded a **Master's Degree** (MSc) entitled "Technologies and Services of Intelligent Information and Communication Systems". The Diploma is signed by the Rector of the Institution and the Director of the Program. Holders of the Master's

degree can continue their studies to obtain a PhD based on the texts provisions. Graduates of the Master's Program may be granted, before the award ceremony, a certificate that they have successfully completed the Master's Program. The Diploma is accompanied by a **Diploma Supplement in Greek and English**, according to the model of the European Commission.

3. BENEFITS TO STUDENTS

Upon admission to the Postgraduate Program, postgraduate students acquire an academic account and access to the Department's electronic services (email, e-students, eclass). They are also entitled to all the rights and benefits provided for undergraduate students, such as student ID, free food, and medical care, in addition to providing free textbooks.

4. LIST OF NAMES AND CONTACT DETAILS OF TEACHERS

FULL NAME	PROPERTY	EMAIL	TEL
ALEFRAGKIS PANAGIOTIS	Faculty Member, Dept. Electrical Eng. & Computer Engineer Univ. Peloponnese	alefrag (at) go (dot) uop (dot) gr	2610369221
ANTONOPOULOS CHRISTOS	Faculty Member, Dept. Electrical Eng. & Computer Engineer Univ. Peloponnese	ch.antonop (at) uop (dot) gr	2610872872
VOROS NIKOLAOS	Faculty Member, Dept. Electrical Eng. & Computer Engineer Univ. Peloponnese	voros (at) uop (dot) gr	2610872872
DROSOPOULOS ANASTASIOS	Faculty Member, Dept. Electrical Eng. & Computer Engineer Univ. Peloponnese	drosop (at) uop (dot) gr	2610369229
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