

Department of Electrical and Computer Engineering

Operating Regulations

of the Postgraduate Study Programme
titled “Modern Applications of Electric Power Systems”
of the Department of Electrical and Computer Engineering
of the University of the Peloponnese
(in accordance with the provisions of Law 4957/2022)

**Article 1.
General Principles**

The second cycle of studies concerns the organization of Postgraduate Study Programmes (P.S.P) with a minimum number of sixty (60) credits (ECTS) and a minimum duration of two (2) academic semesters, the successful completion of which leads to level seven (7) of the National and European Qualifications Framework, in accordance with Article 47 of Law 4763/2020.

These Regulations present the structure and operating rules of the Postgraduate Study Programme (P.S.P.) titled “Modern Applications of Electric Power Systems” of the Department of Electrical and Computer Engineering of the University of the Peloponnese (UoP), which awards a Postgraduate Diploma (P.D.) titled “Modern Applications of Electric Power Systems”, commencing operation in the academic year 2023–2024 and having a duration of five (5) academic years, i.e. until the academic year 2027–2028.

The provisions of these Regulations, as analysed in the following Articles, specify and supplement the legislative framework governing postgraduate studies, and in particular the provisions of Law 4957/2022 (Government Gazette A' 141), as amended and in force, while they regulate in a uniform manner matters relating to the operation of the P.S.P which are not regulated by existing legislation but for which either relevant authorizations are provided by law or which are regulated by decisions of the competent bodies of the P.S.P. These Postgraduate Regulations may be amended upon a proposal of the Coordinating Committee of the P.S.P. and by decision of the Department Assembly and the Senate of the Institution.

Hereinafter, any reference to the term postgraduate student refers indiscriminately to both male and female postgraduate students. These Regulations are posted on the website of the Department and of the P.S.P.

**Article 2.
Subject Matter – Purpose – Learning Outcomes of the P.S.P.**

The Postgraduate Study Programme titled “Modern Applications of Electric Power Systems” is included in the Department of Electrical and Computer Engineering’s multi-annual development plan and forms part of the strategic planning of the University of the Peloponnese. The aim of the P.S.P. is the systematic training of engineers and science graduates in the fields of: (a) microgrids and their interconnection with strong networks, (b) energy saving in buildings, and (c) electric and hybrid vehicles, as well as the associated service and charging infrastructure.

The need to reduce emissions of gases that contribute to the greenhouse effect has led the European Union to adopt policies relating to energy saving in buildings and the promotion of vehicle electrification. More specifically, the European Union has set a target of reducing greenhouse gas emissions by 60%, compared with 1990 levels, by 2050. To achieve this, emissions from individual sectors such as transport, energy production, and building energy consumption must be reduced. In the energy sector, the reduction is achieved through electricity generation from renewable sources, while in the transport sector through vehicle electrification for public and private use. The approach followed in buildings includes certain basic pillars. The first concerns energy saving through the improvement of the thermal insulation of old buildings and the appropriate design of new ones; the second concerns the installation of RES, which transform buildings into small local producers of electrical energy; and the third concerns energy storage and management. The combination of the above can render a building almost energy-autonomous (near zero energy buildings).

The learning outcomes are linked to the purpose and objectives of the P.S.P. and are formulated based on academic and/or professional requirements, the needs of society/economy, and the needs of the labour market. Upon completing the P.S.P. whose objective is to strengthen scientific and technological research and produce new knowledge in the field of "Modern Applications of Electric Power Systems", the graduate will, among other things, be able to:

- understand and recognize the need for renewable energy sources and energy storage systems, and their role in meeting Greece's energy needs.
- know the structure and operating principle of specialized photovoltaic systems based on new materials and devices.
- know the basic techniques for the dynamic simulation of electrical machines.
- understand the use of modern power electronics and calculate and analyse the structural elements of a modern electronic converter.
- solve the problem of economic load dispatch and linear programming in relation to the commitment of generation units and the clearing of the energy market.
- understand fundamental concepts of smart electrical power networks, such as flexibility, distributed generation, microgrids, and demand management, and conduct studies for the analysis of wind potential and the production of photovoltaic systems.
- identify the basic structural components of electric vehicles and be able to identify and apply the appropriate control method for the electromechanical system consisting of a power electronic converter, an electric motor, and the vehicle as a mechanical load.
- understand and solve complex problems related to the subject areas of the P.S.P.
- generalize the knowledge they have acquired and use it to solve unfamiliar problems.

The purpose of the P.S.P. is:

1. to provide advanced training to engineers and science graduates in the methods and techniques of the integrated scientific approach, research, and treatment of the individual issues of the above field, so as to shape executives with specialized knowledge in the scientific areas of the P.S.P., capable of adequately meeting the growing needs of private and public enterprises, organizations, and services in Greece and abroad in the multidimensional issues of modern applications in energy systems, and
2. to provide in-depth training to engineers and other scientists and to develop their research capacities so that they become capable of producing new knowledge.

Article 3.

Competent Bodies/Committees for the establishment and operation of the P.S.P

For the organization and operation of the P.S.P, the competent bodies/committees are:

3.1 Senate

The Senate is the competent body for matters of an academic, administrative, organizational, and financial nature relating to the P.S.P and exercises all powers relating to P.S.P programmes which are not specifically assigned by law to other bodies. In greater detail, it has the following powers:

- (a) it establishes the Institution's Postgraduate Studies Committee,
- (b) it approves the establishment of the P.S.P or the amendment of its establishment decision,
- (c) it approves the extension of the period of operation of P.S.P programmes,
- (d) it establishes the Study Programme Committee (S.P.C.) in the case of interdepartmental, inter-institutional or joint P.S.P programmes; and (e) it decides on the discontinuation of P.S.P programmes offered by the University of the Peloponnese.

3.2 Postgraduate Studies Committee

The Postgraduate Studies Committee (E.M.S.) is established by decision of the Senate, following a proposal by the Deans of the Institution's Schools. It consists of one (1) member of the Teaching and Research Staff (T.R.S.) from each School of the University of the Peloponnese, one (1) member coming from the categories of Special Teaching Staff (E.E.P.), Laboratory Teaching Staff (L.T.S.), and Special Technical Laboratory Staff (S.T.L.S.) of the University of the Peloponnese, and the Vice Rector for Academic Affairs, who serves as Chair. The members of the Committee have experience in the organization of and participation in second-cycle study programmes. The term of office of the Committee is two (2) academic years. The E.M.S. has the responsibilities provided for in paragraph 2 of Article 79 of Law 4957/2022 (A' 141).

3.3 Department Assembly

The Department Assembly is responsible for the organization, administration, and management of the P.S.P and in particular:

- (a) submits recommendations to the Senate through the E.M.S. regarding:
 - the necessity of establishing/amending the establishment decision of the P.S.P, as well as extending the duration of the P.S.P,
 - the Operating Regulations of the P.S.P as well as all matters referred to in items (a) to (ist) of paragraphs 3 and 4 of Article 80 of Law 4957/2022 (A' 141),
- (b) establishes a committee for the evaluation of the applications of prospective postgraduate students, also establishes an appeals committee, and approves their enrolment in the P.S.P,
- (c) establishes a committee for the recognition of foreign academic degrees,
- (d) assigns the teaching work to the instructors of the P.S.P,
- (e) establishes examination committees for the examination of postgraduate students' theses and appoints the supervisor for each thesis,
- (f) certifies the successful completion of studies so that the P.S.P degree may be awarded,
- (g) approves the annual report of the P.S.P, following a recommendation by the C.C.,
- (h) may assign auxiliary teaching work within the framework of P.S.P courses to the Department's doctoral candidates, under the supervision of an instructor of the P.S.P,
- (i) approves the invitation of Visiting Professors to meet the teaching needs of the P.S.P, following a recommendation by the C.C.,
- (j) approves matters relating to the academic operation of the P.S.P, such as the determination of dates and deadlines concerning the P.S.P, the determination of the dates of commencement and completion of

classes and examinations for the winter and spring semesters in accordance with the Academic Calendar, approves the teaching and examination timetable, approves the topics of the theses offered, and approves their assignment to P.S.P students.

(k) exercises any other authority provided for by the provisions of Law 4957/2022 (A' 141).

By decision of the Department Assembly, the powers under items (b) and (e) may be delegated to the Coordinating Committee of the P.S.P

3.4 Coordinating Committee (C.C.)

The C.C. consists of the Director of the P.S.P and four (4) members of the Department's Teaching and Research Staff (T.R.S.) who have a subject area relevant to that of the P.S.P and undertake teaching work in the P.S.P. The term of office of the C.C. is two years and runs parallel to that of the Director. The members of the C.C. are appointed by decision of the Department Assembly. Emeritus Professors of the Department or of cooperating Departments may participate in the C.C., if they offer teaching work in the P.S.P

The C.C. is responsible for monitoring and coordinating the operation of the programme and, in particular:

(a) it draws up the initial annual budget of the P.S.P and its amendments, provided that the P.S.P has resources in accordance with Article 84 of Law 4957/2022, and submits it for approval to the Research Committee of the S.R.A. (ELKE),

(b) it prepares the programme's annual report and recommends its approval to the Department Assembly,

(c) it approves the carrying out of expenditure of the P.S.P,

(d) it approves the granting of scholarships, whether compensatory or not, in accordance with what is defined in the establishment decision of the P.S.P and the Regulations on postgraduate and doctoral studies,

(e) it recommends to the Department Assembly the distribution of teaching work, as well as the assignment of teaching work to the categories of instructors provided for in Article 83 of Law 4957/2022,

(f) it recommends to the Department Assembly the invitation of Visiting Professors to cover teaching needs of the P.S.P,

(g) it prepares a plan for the amendment of the curriculum, which it submits to the Department Assembly,

(h) it recommends to the Department Assembly the redistribution of courses among academic semesters, as well as issues related to the qualitative upgrading of the curriculum,

(i) it recommends the dates and deadlines for submitting applications and other dates and deadlines (start/end of classes and examinations of the winter and spring semesters) concerning the operation of the P.S.P,

(j) it recommends the teaching and examination timetable.

3.5 Director of the P.S.P

The Director of the P.S.P is selected from among the members of the Department's Teaching and Research Staff (T.R.S.), giving priority to the rank of Professor or Associate Professor, in the same or a related subject area to that of the P.S.P, and is appointed by decision of the Department Assembly for a two-year term, renewable without limitation.

The Director of the P.S.P has the following responsibilities:

(a) chairs the C.C., draws up the agenda, and convenes its meetings,

(b) submits to the Department Assembly matters concerning the organization and operation of the P.S.P,

(c) submits to the C.C. and the other bodies of the P.S.P and the H.E.I. matters relating to the effective operation of the P.S.P,

(d) serves as the Scientific Officer of the programme in accordance with Article 234 of Law 4957/2022 and exercises the corresponding responsibilities,

(e) monitors (i) the implementation of the decisions of the bodies of the P.S.P, (ii) compliance with and implementation of the provisions of the Internal Regulations for postgraduate and doctoral study programmes and the provisions of the Operating Regulations of the P.S.P, as well as (iii) the execution of the budget of the P.S.P,

(f) exercises any other responsibility defined in the establishment decision of the P.S.P

The Director of the P.S.P, as well as the members of the C.C., are not entitled to remuneration or any compensation for the performance of the responsibilities assigned to them and related to the performance of their duties.

3.6 Committee for the Evaluation and Selection of Prospective Postgraduate Students

The Committee consists of at least three members of the Department's Teaching and Research Staff (T.R.S.) and is responsible for:

- evaluating all submitted supporting documents, in accordance with the applicable legislation and the academic criteria referred to in Article 6.3 of these Regulations. (The verification of the completeness of supporting documents is carried out by the Secretariat of the P.S.P),
- verifying language proficiency,
- conducting personal interviews, where this is provided for,
- drawing up the final selection list of admitted, reserve, and rejected candidates after examining any appeals.

The final ranking of candidates based on the programme's list of criteria and the proposal for selecting candidates based on that ranking are submitted to the Department Assembly for ratification.

Article 4. Number of Admitted Students

The maximum number of admitted students is set at twenty-five (25) postgraduate students per year. The minimum number of admitted students is set at seven (7). In any case, the exact number of admitted students for each academic year is determined by the Assembly and may vary, without however exceeding the above limit, in order to ensure the quality of all the Department's study cycles.

The main criteria taken into account for determining the minimum and maximum number of admitted students per P.S.P are:

- the adequate staffing of the Department and any cooperating Departments, bodies, organizations, etc., in teaching, administrative, and technical personnel,
- the ratio between students and instructors,
- the necessary technological equipment of the P.S.P,
- the infrastructure of the Department and any cooperating Departments, bodies, organizations, etc. (e.g. teaching spaces, with specific reference to any necessary laboratory spaces and their equipment, libraries, etc.).

Article 5. Categories of Degree Holders

Holders of a first-cycle degree from Higher Education Institutions (HEIs) in Greece or equivalent institutions abroad are admitted to the P.S.P, and specifically graduates of:

(a) Polytechnics, Engineering Schools, Schools of Science, of Greek universities or corresponding Departments abroad,

(b) Departments of Technological Educational Institutes (TEIs) whose subject matter is related to Energy, Electronics, and Electrical / Mechanical Engineering of the technological sector.

Within the total number of admitted students, graduates of other Schools and Departments of HEIs in Greece or abroad who do not belong to the above categories may also be admitted up to a percentage of 20%. This number may be increased so as to cover the number of places of the above categories, provided that there are not enough candidates from those categories.

Candidates may also be students of undergraduate programmes who are in the final semester of compulsory study and who will submit a certificate of completion of their courses from the Department in which they study by the end of the enrolment period in the P.S.P

Members of the categories E.E.P., as well as L.T.S. and S.T.L.S., of the University of the Peloponnese may, following their application, enrol as supernumerary students, with only one such student per year and per P.S.P, provided that they serve in the Department of Electrical and Computer Engineering and that both their degree and the work they perform in the Department are relevant to the subject area of the P.S.P

Article 6.

Procedure and Criteria for the Selection of Admitted Students

6.1 Announcement / Invitation to Express Interest

On dates determined by the Assembly following a recommendation by the Coordinating Committee, the Department decides on the time of publication, in the press, on the internet, on the websites of the P.S.P, the Department and the Institution, as well as through Secretariat announcements, of the relevant announcement/invitation to express interest addressed to prospective candidates.

The invitation states the admission requirements, specifying:

- the qualifications required for admission to the P.S.P, including the languages for which language proficiency is required,
- the required supporting documents, the mode of admission, and the selection criteria,
- the deadline for the submission of applications and the manner of submitting the supporting documents,
- the maximum number of admitted students to the P.S.P as well as the categories of degree holders admitted,
- the general candidate evaluation procedure, the appeals procedure, and anything else deemed necessary.

Following a recommendation by the Coordinating Committee, the Assembly establishes an Evaluation Committee composed of members of the Department's T.R.S., whose task is to evaluate the candidates' applications.

Applications together with the required supporting documents are submitted within the deadline for submission of supporting documents to the Secretariat of the Department of Electrical and Computer Engineering in hard-copy and/or electronic form, in accordance with what is specified in the announcement.

6.2 Submission of Applications – Supporting Documents

Candidates' applications must be accompanied by the supporting documents provided for in the relevant

announcement.

The required supporting documents are:

1. Application form, submitted electronically via the P.S.P website, printed by the candidate and also submitted in hard copy together with the other supporting documents,
2. Curriculum vitae,
3. Brief statement of interests, indicating the candidate's scientific and professional interests and providing justification for the reasons why the candidate is interested in the P.S.P,
4. Copy of the first-cycle degree or diploma or certificate of completion of studies, from which the graduation grade must be evident, as this constitutes the first selection criterion (paragraph 6.3),
5. Official transcript of undergraduate and postgraduate studies (if any),
6. Recognized postgraduate degrees (if any). For degrees awarded by foreign institutions, the procedure is described below.
7. Proof of English language proficiency of at least a good knowledge level (B2). In the absence of the above certificate, the ability to comprehend and write in English shall be ascertained through a written examination conducted under the responsibility of the Coordinating Committee of the P.S.P,
8. At least two letters of recommendation,
9. Scientific publications and distinctions (if any),
10. Evidence of professional experience (if any),
11. A photocopy of both sides of the Identity Card or of the Passport.

In the case of degrees awarded by foreign institutions, the Department Assembly appoints a competent committee to ascertain, in accordance with Article 304 of Law 4957/2022, as amended and in force:

First, whether the institution awarding the degree is included in the National Register of Recognized Foreign Institutions maintained and updated by Hellenic National Academic Recognition and Information Center (DOATAP),

Second, whether the foreign degree is included in the National Register of Degree Types of Recognized Institutions posted on the DOATAP website.

The candidate must submit a certificate indicating the place of study, which is issued and sent by the foreign university. If the place of study, or part thereof, is certified as being within Greek territory, the degree is not recognized, unless the part of the studies carried out in Greek territory took place at a public H.E.I.

If a foreign institution or degree has not been entered in the relevant registers, DOATAP examines ex officio or following a request by the Department Secretariat whether the necessary conditions are met and, by its decision, enters it in the registers. All documents are submitted in a file bearing the relevant numbering. It is noted that the Department Assembly may, by its decision, further specify/modify the above supporting documents. In all cases, the announcement posted on the P.S.P website expressly states the full set of supporting documents that must accompany the applications.

6.3 Selection Criteria

After the deadline has expired, the Secretariat of the P.S.P initially prepares a complete list of all those who have applied and forwards the candidates' applications to the three-member Evaluation Committee of paragraph 3.6. The Evaluation Committee examines the complete file of each candidate and is entitled to request any required supporting documents that were not submitted or any supplementary information.

The Evaluation Committee verifies the formal qualifications of the candidates, rejects those who have not submitted a complete file or who do not meet the selection criteria, invites candidates to an interview, and proceeds to draw up an evaluation table in accordance with paragraph 6.4, with detailed scoring of admitted, reserve, and rejected candidates of the P.S.P, taking into consideration the following criteria:

- overall degree grade, weighted at 30%,
- grades in undergraduate courses relevant to the subject area of the P.S.P, weighted at 20%,
- any published research papers, additional degrees, or postgraduate degrees of the candidate, weighted at 10%,
- any professional activity, weighted at 10%,
- performance during the oral interview, weighted at 30%.

6.4 Selection Procedure

Based on the established criteria, the Evaluation Committee draws up the Evaluation Table of candidates according to the following procedure:

1. The Evaluation Committee invites candidates to an oral interview, either in person or via teleconference, which aims at:
 - identifying special skills and other characteristics and, more generally, the level of development of the candidate's personality.
 - ascertaining particularities and other elements possessed by the candidate that may play a role in his/her smooth integration into the P.S.P
2. The members of the Evaluation Committee assess each candidate separately and grade them on a scale from 0 to 10. The candidate's performance in the oral interview results from the average of the grades awarded by the members of the Committee.
3. The final score of each candidate results from the sum of the product of each criterion and the corresponding weighting factor.
4. In the event of a tie, the candidate with the higher first-degree grade is selected. Tied candidates are admitted at a percentage not exceeding 10% of the maximum number of admitted students.
5. The Evaluation Committee submits the Evaluation Table to the Assembly for approval and ratification.
6. The evaluation table approved by the Assembly is posted on the website of the P.S.P by the Secretariat of the P.S.P Any appeals by candidates shall be submitted to the Secretariat of the P.S.P within five (5) days from the date of announcement of the results.
7. Appeals are examined by a three-member appeals committee consisting of T.R.S. members, appointed by the Assembly. The appeals committee submits its recommendation to the Assembly regarding the appeals filed.
8. The Assembly decides whether or not to accept the recommendations, declares the admitted (successful) postgraduate students and the reserves, and the Secretariat of the P.S.P arranges for the

posting of the final list of admitted, reserve, and rejected candidates on the websites of the P.S.P and the Department in accordance with the provisions on personal data protection.

9. Within five (5) working days of the announcement of the results, admitted candidates are invited to reply in writing to the Secretariat of the P.S.P as to whether they accept their admission to the P.S.P, by submitting the relevant declaration of admission. Failure of a selected candidate to respond within the prescribed deadline is equivalent to withdrawal of their candidacy. In exceptional cases, which must be sufficiently documented by the selected candidate, the Assembly may accept a late declaration of admission to the P.S.P, provided that the candidate submits evidence of the circumstances that objectively prevented timely submission of the declaration of admission. In the event of withdrawals or late submission of the declaration of admission, the Secretariat of the P.S.P informs the next candidates (reserves) in order of ranking on the relevant list, who then fill the vacant places.

6.5 Enrolment in the P.S.P

The Secretariat of the P.S.P invites admitted candidates to enrol within a specific period determined by the Department Assembly and to submit the required supporting documents in hard-copy or electronic form.

1. For the initial enrolment of postgraduate students in the P.S.P, within the deadline announced by the Secretariat of the P.S.P, they submit, in addition to the supporting documents already submitted with their application, the following:
 - Declaration of personal details on a form (and electronic file) provided by the Secretariat of the P.S.P,
 - Solemn declaration stating that they are not enrolled in another Postgraduate Study Programme.
 - Two (2) passport photographs.
2. Upon initial enrolment, the Secretariat of the P.S.P creates a Postgraduate Student Record, the form and content of which have been determined by the Assembly.
3. Failure by selected postgraduate students to complete initial enrolment within the period referred to in paragraph 1 is equivalent to non-acceptance of the approval of admission to the P.S.P, and their places are allocated to reserve students.
4. Renewal of enrolment is compulsory at the beginning of each semester, within the deadline set by the Secretariat of the P.S.P Upon renewal of enrolment, the postgraduate student enrolls in the semester's courses and declares the elective courses they will attend. For the timely planning of the P.S.P, the Secretariat of the P.S.P may ask postgraduate students to declare elective courses up to two (2) months before the enrolment renewal deadline.
5. A postgraduate student who does not renew their enrolment on time loses that status and is removed from the registers of the P.S.P
6. In the application for renewal of enrolment in the third semester, the postgraduate student declares the title of the thesis. The more specific provisions on the thesis are referred to in Article 14.

Article 7. Duration of Studies

7.1 Duration of study

The duration of study in the P.S.P for the award of the Postgraduate Diploma (P.D.) entitled "Modern Applications of Electric Power Systems" is set at three (3) academic semesters, including the time required

to prepare and submit the thesis for examination. Courses are completed within the first two academic semesters, while the postgraduate thesis is prepared in the third semester.

Following a reasoned application by the student, the Assembly may permit an extension of the maximum time for completion of studies for a period not exceeding half the normal duration of study of the P.S.P and only for the preparation of the postgraduate thesis, that is, up to two (2) additional semesters beyond the three (3) semesters of the normal duration.

7.2 Part-time study

Part-time study is possible following a reasoned application by the postgraduate student and approval by the Department Assembly, the duration of which may not exceed double the normal duration of study of the P.S.P, namely six (6) academic semesters. For students under a part-time regime, each semester counts as half an academic semester. These students may not register for attendance in and be examined in more than half of the courses of the semester provided for in the curriculum.

The following have the right to apply for part-time study:

- (a) students who work at least twenty (20) hours per week,
- (b) students with disabilities and special educational needs,
- (c) students who are simultaneously athletes and who, during their studies, belong to sports clubs registered in the electronic register of sports clubs of Article 142 of Law 4714/2020 (A' 148), maintained by the General Secretariat of Sports (G.G.A.), under the following conditions:

- (ca) for those years in which they achieve a distinction from 1st to 8th place in national championships of individual sports with the participation of at least twelve (12) athletes and eight (8) clubs, or compete in teams in the two (2) highest divisions in team sports, or participate as members of national teams in European championships, world championships, or other international competitions under the Hellenic Olympic Committee, or
- (cb) participate, even once, in Olympic Games, Paralympic Games, and Deaflympics during their period of study in the program for which they apply to be included in a part-time study regime.

The required supporting documents for substantiating the application are the following:

- (a) Students who work at least twenty (20) hours per week must submit the relevant employment contract or employer certificate, as well as insurance stamps for those insured in the private sector.
- (b) Students with disabilities must submit a disability certification issued by Disability Certification Centers (KEPA) or by a seven-member medical committee of a public hospital. Students enrolled in the special category for students with disabilities are not required to submit any additional documents beyond those submitted for their enrolment.
- (c) Student athletes must submit a certificate from the General Secretariat of Sports, or the Olympic Committee, or the Sports Club registered in the register of the General Secretariat of Sports, as applicable, clearly stating the basis on which the right to inclusion in the part-time study category is founded (e.g. distinction from 1st to 8th place in national championships of individual sports with the participation of at least twelve (12) athletes and eight (8) clubs, or participation in teams of the two highest divisions in team sports, etc.).

The certificates referred to in cases (a) and (c) must be resubmitted to the Secretariat of the Department and forwarded to the Secretariat of the Dean's Office of the relevant School at the beginning of each academic year, so that it may be ascertained whether the reasons for inclusion in a part-time study regime still apply. Inclusion in a part-time study regime applies retroactively from the beginning of the semester in which the relevant application is submitted.

Students who have been placed under a part-time study regime may return to full-time study following an

application and a decision by the Department Assembly. Their application may be submitted up to the point at which 20% of the course lectures have not yet been conducted.

7.3 Temporary suspension of studies

Following an application by the student, the Assembly, after a recommendation by the C.C. of the P.S.P, may grant a temporary suspension of studies, which may not exceed two (2) consecutive academic semesters. The right to suspension of studies may be exercised either once or in parts, for a minimum period of one (1) academic semester. Semesters during which student status is suspended are not counted toward the prescribed maximum duration of normal study. During the suspension of studies, the postgraduate student is deprived of student status. The application for suspension of studies must be reasoned and accompanied by evidence of the invoked reason (financial, professional, force majeure, health, military service, etc.). Students placed under a suspension regime are entitled to interrupt it following their application and a decision by the Department Assembly.

Tuition fees are paid upon termination of the suspension regime. Student status is required immediately after the suspension ends.

Article 8. Rights and Benefits

1. Postgraduate students enjoy all rights and benefits provided for first-cycle students until the expiration of any extension of studies that may have been granted, except for the right to free educational textbooks.
2. Through the Department of Electrical and Computer Engineering, the P.S.P is obliged to ensure accessibility for students with disabilities and/or special educational needs to the proposed textbooks, teaching spaces, teaching process, and other facilities.
3. All postgraduate courses are semester-long, take the form of lectures or seminars, and are offered either in the winter or in the spring semester. The teaching of each course lasts thirteen (13) weeks with three (3) hours of teaching per week and may be accompanied by tutorials, laboratories, discussions, and the assignment of exercises or coursework required.
4. Each course corresponds to six (6) ECTS credits and includes attendance of lectures, tutorials, laboratory exercises, seminars, independent study, the preparation of assignments, and participation in examinations.
5. Attendance at lectures, tutorials, laboratory exercises, and other activities of the P.S.P is compulsory. Attendance is ascertained by signing an attendance sheet both by students and by instructors.
6. Teaching of the courses is followed by the corresponding examination period. All course obligations, such as the completion and submission of exercises and assignments, must be fully completed within the duration of the semester (until the end of examinations).

Article 9. Obligations of Postgraduate Students

Postgraduate students have the following obligations:

- (a) they must attend classes regularly without absence. In each course, postgraduate students must successfully participate in all the prescribed procedures for the assessment of their performance.
- (b) they are required to monitor their institutional email, the announcements of the P.S.P, as well as the Department's website.
- (c) they are required to pay any tuition fees provided for in accordance with the decisions of the competent bodies.

(d) they must cooperate with the supervisor and the members of the C.C. for the support and preparation of their thesis.

(e) they must respect and comply with the Postgraduate Studies Regulations, the decisions of the bodies of the P.S.P, the Department and the University of the Peloponnese, as well as the rules of academic ethics.

Article 10.

Instructors in the P.S.P – Assignment of Teaching & Obligations of Instructors

The teaching work of the instructors of the P.S.P is assigned, following a decision of the Department Assembly based on the recommendation of the C.C. of the P.S.P, to:

(a) members of the T.R.S., E.E.P., L.T.S., and S.T.L.S. of the Department or of other Departments of the University of the Peloponnese or another Higher Education Institution (H.E.I.) or Higher Military Educational Institution (H.M.E.I.), with additional employment beyond their legal obligations, if the P.S.P has tuition fees,

(b) emeritus professors or retired T.R.S. members of the Department or of other Departments of the University of the Peloponnese or another H.E.I.,

(c) affiliated professors,

(d) appointed instructors,

(e) visiting professors or visiting researchers,

(f) researchers and special functional scientists of research and technological bodies under Article 13A of Law 4310/2014 (A' 258) or other research centers and institutes in Greece or abroad,

(g) scientists of recognized standing who possess specialized knowledge and relevant experience in the subject area of the P.S.P

All instructors must hold a doctoral degree. The workload of the Department's T.R.S. members in the P.S.P is included in their regular workload if they are not remunerated for this employment. The corresponding allocation of workload may be made within the same or another academic semester, but in any case, within the same academic year.

By decision of the Department Assembly, auxiliary teaching work may be assigned to doctoral candidates of the Department or the School, under the supervision of an instructor of the P.S.P

The assignment of teaching to external collaborators/instructors, who are scientists or professionals of recognized standing with specialized knowledge or relevant experience in the subject area of the P.S.P, is made by a specifically reasoned decision of the Assembly. For these people, publication of a call is not required, provided that their participation in the P.S.P is essential for its execution according to the Assembly's decision to assign teaching.

All categories of instructors may be remunerated exclusively from the resources of the P.S.P. Payment of remuneration or any other benefit from the state budget or the public investment program is not permitted. By decision of the competent body of the P.S.P on the assignment of teaching work, the amount of remuneration of each instructor is determined, in accordance with the applicable Remuneration Regulations for the provision of teaching work of the Institution. Instructors who are members of the T.R.S. may be additionally rewarded for work they provide to the P.S.P, if they fulfill their minimum legal

obligations, as defined in paragraph 2 of Article 155 of Law 4957/2022. The last sentence applies analogously to members of the E.E.P., L.T.S., and S.T.L.S., if they fulfill their minimum legal obligations.

The exclusive employment of T.R.S. members in P.S.P programs of the Department or School is not permitted.

Each course has a coordinator, who is a member of the Department's T.R.S. and is appointed by the C.C. at the beginning of each study cycle of the P.S.P. The coordinator of each course is obliged to coordinate the course's teaching team with regard to (a) avoiding overlaps among instructors, (b) the overall course schedule, (c) students' obligations (e.g. number of assignments, submission dates, etc.), (d) the proportional distribution of workload in the case of co-teaching, (e) the course assessment procedures, and (f) generally taking care of any other issue affecting the smooth operation of the course. Each instructor of a course in the P.S.P is obliged to:

- strictly and accurately observe the program and timetable of the course lectures.
- upload all the educational material of their course (lecture slides, laboratory exercises, assignments, self-assessment material, bibliography, and any additional material deemed necessary to support students) to the institutional asynchronous distance-learning platform.
- inform students of any matter concerning their course using the communication tools of the institutional asynchronous distance-learning platform (announcements, messages, etc.).
- cooperate with the course coordinator and the other members of the course teaching team for the smooth operation of the course.
- verify that the students who are present, and only those students, have signed the attendance sheet. In the case of remote lectures, the instructor confirms the presence of students and updates the attendance sheet accordingly.
- determine the content of the postgraduate course in such a way that it is valid and in line with current developments. Internationally established and contemporary textbooks and scientific articles of postgraduate level, and not undergraduate level, must be used within the framework of the course syllabus. Under no circumstances may undergraduate-level textbooks substitute for the appropriate postgraduate-level material.
- ensure the connection of the theoretical part of teaching with high-level practice, as applied in modern enterprises and organizations. This effort is reinforced through the use of case studies, invited speakers recognized for their experience and specialized knowledge, or a combination of the two. Under no circumstances, however, may the instructor substitute responsibility for the preparation of their own lectures with invited speakers or library assignments.
- hold at least two office hours per week, enabling uninterrupted communication with students on matters relating to their studies and the specific course.
- At the beginning of the semester, instructors are required to submit to the Secretariat of the P.S.P for distribution the detailed program (syllabus), which on a weekly basis will cover the material for each course unit, case studies, and the relevant contemporary bibliography and articles.
- respect and comply with the decisions of the bodies of the P.S.P as well as academic ethics (e.g. not using postgraduate students for personal purposes).

Article 11.
Study Guide – Course Program

11.1 Study Guide

1. The Postgraduate Study Guide of the P.S.P includes the academic profile of the program (history, scientific field, purpose, prospects), the course program, the course categories, the Credits based on the European Credit Transfer and Accumulation System (ECTS) for all courses distributed among the semesters of study and by specialization (where more than one specialization exists), the total ECTS required for the award of the P.D., the learning outcomes of the P.S.P, the teaching staff of the P.S.P, the official language of instruction and conduct of the program, and the language of preparation of the thesis, which may differ from Greek, the rights of students (e.g. scholarships and prizes, aids, etc.), information on the operation of the Institution's laboratories and libraries, as well as any other provision of these Regulations.
2. The consolidated list and content of the courses offered, together with these Regulations and useful information to facilitate students, are included in the Postgraduate Study Guide (P.S.G.) of the P.S.P
3. The Postgraduate Study Guide is updated annually and is posted in electronic form on the websites of the P.S.P and the Department.

11.2 Course Program

1. The P.S.P begins in the winter or spring semester of each academic year.
2. For the successful completion of the P.S.P and the award of the Postgraduate Diploma, the postgraduate student must attend and successfully complete ten (10) postgraduate courses in total, five (5) in the first semester and five (5) in the second semester, and must also prepare and successfully defend the thesis (third semester).
3. Each academic semester corresponds to thirty (30) ECTS credits.
4. The detailed curriculum of the postgraduate courses offered by the P.S.P is structured as follows:

Course table by semester:

1st SEMESTER – Fundamental Knowledge		
Compulsory Courses		
Code	ECTS	Title
ΠΜΣ-101	6	Energy Production – Energy Saving Using Renewable Energy Sources
ΠΜΣ-102	6	Advanced Topics in Electrical Machines
ΠΜΣ-103	6	Microcontrollers & Data Transfer
ΠΜΣ-104	6	Modelling and Control of Electromechanical Systems
ΠΜΣ-105	6	Modern Applications of Power Electronics
Total	30	

In the first semester the student enrolls in five (5) courses, all compulsory, totaling thirty (30) ECTS (5 courses x 6 ECTS/course = 30 ECTS).

2nd SEMESTER – Specializations		
Compulsory Courses		
Code	ECTS	Title
ΠΜΣ-201	6	Energy Storage Systems
ΠΜΣ-202	6	Advanced Topics in Electrical Installations
ΠΜΣ-203	6	Energy Economics
ΠΜΣ-204	6	Energy Performance of Buildings
ΠΜΣ-205	6	Electric Vehicle Technology
Total	30	

In the second semester the student enrolls in five (5) courses, all compulsory, totaling thirty (30) ECTS (5 courses x 6 ECTS/course = 30 ECTS).

3rd SEMESTER		
Code	ECTS	Title
ΠΜΣ-ΜΔΕ	30	Thesis
Total	30	

- For the award of the Postgraduate Specialization Diploma, the accumulation of 90 credits is required: 60 ECTS from the 10 courses offered in the P.S.P and 30 ECTS from the thesis.

6. Amendment of the Curriculum may be carried out after decisions of the competent collective bodies of the University of the Peloponnese, subject to the provisions of paragraph 8 of Article 80 of Law 4957/2022.

11.3 Language of instruction

The official language of instruction of the P.S.P is Greek. In the case where at least one third (1/3) of the students are foreigners, teaching is conducted in English. The educational material may be either in Greek or in English.

11.4 Academic Calendar of the Program

At the beginning of each semester and before the start of classes, the timetable of the period is posted on the website of the Department or of the P.S.P, including the days and hours of teaching, the dates of other events or obligations, the starting and ending dates of the teaching periods, examination periods, holidays, etc.

All educational activities (e.g. teaching, assignment, submission and examination of postgraduate papers) take place within the time frame of the annual academic calendar determined by the Senate. Course examinations may take place either after the completion of each academic semester or after the completion of the teaching work of each course or of each educational activity, in accordance with what is defined in the program's internal regulations.

11.5 Enrolment dates and course declarations

At the beginning of each academic semester, and before the start of classes, the dates of student enrolment as well as the procedure for declaring the courses to be selected in each semester are determined and posted on the website of the P.S.P/Department.

11.6 Make-up classes

Make-up classes for any lost teaching hours are announced on the P.S.P website and are conducted by the professor responsible at a time that serves the needs of the students and the Department's schedule, so that the minimum number of teaching weeks for the course is completed.

11.7 Distance education

The P.S.P is conducted in person. The educational process may be carried out using synchronous distance education exclusively in the following cases:

- in cases of force majeure or extraordinary circumstances where the in-person conduct of the educational process or the use of UoP infrastructure for carrying out educational, research, and other activities is not possible,
- for the organization of advanced courses and tutorial exercises beyond the compulsory hours of teaching work per course,
- for people with disabilities and special educational needs.

11.8 Absence limits

Postgraduate students are required to attend all activities of the P.S.P without exception. The limit of absences per course is 25% of the course lectures. If a postgraduate student exceeds the 25% absence limit, they are excluded from the examinations of that course in the regular examination period and are entitled to participate only in the examination period.

If a postgraduate student's absences on a course exceed 40% of the lectures, they are excluded from the course examinations in the current academic year and are required to attend the course again in the next cycle of the P.S.P, with the corresponding proportional cost.

In all cases, participation and attendance are certified under the responsibility of the instructors of the courses through the completion of an attendance sheet, which is submitted to the Secretariat of the P.S.P before the course examinations are held.

Article 12.

Assessment of the performance of postgraduate students

1. Course examinations are conducted at the end of each academic semester in accordance with the program drawn up by the Coordinating Committee and announced by the Secretariat of the P.S.P on the P.S.P website.
2. The method of examination of each course is determined by the instructor (e.g., written, oral, assignment, etc.), is stated in the study guide, in the course outline, and is announced on the course website and on the P.S.P website under the responsibility of the instructor. During the conduct of written or oral examinations, as assessment methods, the integrity of the procedure is obligatorily ensured.
3. In the case of written examinations, these are conducted in Department premises according to the announced schedule.
4. Grades are issued no later than twenty (20) days after the end of each examination period.
5. Passing grades in postgraduate courses are recorded on a scale of 0–10, accurate to two decimal places. A grade of six (6) is considered successful (passing) for postgraduate courses and seven (7) for the thesis.
6. The grade reflects the student's overall performance, which may consider:
 - participation in classes/attendance of courses.
 - grade from coursework/exercises during the semester.
 - participation in the development of laboratory exercises.
 - participation in the research work of the P.S.P in the subject areas of the course.
 - final examination grade.
7. At the end of the assessment process, students are informed of their grades either through an anonymized posting of results in a special field of the Institution's integrated distance-learning system or by another appropriate electronic means.
- 8.

Article 13.

Examination periods (time of conduct and duration of examination periods)

The examination periods are the winter semester period, the spring semester period, and the September examination period, and they coincide with the examination periods of the undergraduate study programs,

as defined each time in the Institution's Academic Calendar.

If a student fails a course, they may be re-examined in that course during the resit examination period. The examination period takes place in September or in March if admission to the P.S.P takes place in the winter or spring semester of the academic year, respectively.

If a student fails the examination of a course in the last examination period in which they are entitled to participate under the Regulations, so that they are deemed not to have successfully completed the program, they may request examination by a three-member committee consisting of instructors of the P.S.P in a subject area related to the course, in which the examiner of the course does not participate. The three-member committee is appointed by the Department Assembly. The examination is conducted at any time also determined by the Department Assembly.

In the case of cheating, plagiarism, or any other way of falsifying the result of the examinations, no grade is announced and, irrespective of any disciplinary penalties that may be imposed, the student is either given a zero in the specific examination or referred to a repeat examination in a manner and at a time determined by the Department Assembly. If the postgraduate student does not complete their studies within the maximum permitted time for completion of studies, as defined in Article 7.1, their studies are discontinued by decision of the Assembly following a recommendation by the Coordinating Committee. In this case, a certificate is issued for the courses successfully attended during their period of study.

Article 14. **Postgraduate Thesis – Supervisors of the Postgraduate Thesis**

14.1 Preparation of the Thesis

1. Postgraduate students who enroll in the third semester of study undertake to prepare a postgraduate thesis (M.Th.) in cooperation with an instructor of the P.S.P. The thesis may be of a research or technical nature and must have a sufficient degree of originality or demonstrate good knowledge and in-depth understanding of a specific topic of current research or technical interest.
2. During the second semester of study, the Secretariat of the P.S.P announces a list of proposed thesis topics, which is created from proposals by the instructors of the P.S.P and which describe topics of current research interest relevant to their scientific subject area. Each instructor of the P.S.P is required to propose at least two (2) topics per study cycle.
3. Upon renewal of enrolment for the third semester, the postgraduate student selects and declares one (1) of the topics of paragraph 2 to the Coordinating Committee for approval.
4. The supervising professor and the other two members of the Examination Committee must belong to the teaching staff of the P.S.P. The members of the Committee must have the same or a related scientific specialization as the subject area dealt with by the thesis.
5. Each member of the teaching staff of the P.S.P may undertake the supervision of up to five (5) theses, or more by decision of the Assembly.
6. A prerequisite for the evaluation of the thesis is the successful completion of all courses of the P.S.P, namely those offered in the first and second semesters of study.
7. Theses are submitted for evaluation twice per academic year on dates determined by decision of the Assembly. Evaluation takes place in a public presentation announced by the Secretariat of the P.S.P on the P.S.P website.

8. Thesis, provided they are approved by the examination committee, are mandatorily posted on the website of the School of Engineering of the Institution.
9. Other matters concerning the Thesis may be specified by an annex to these Regulations.

14.2 Supervision of the Thesis

The Coordinating Committee, following an application by the interested party stating the proposed thesis title, the proposed supervisor, and attaching an abstract of the proposed work, appoints the supervisor and establishes the three-member examination committee for the approval of the work, one of the members of which is the supervisor (paragraph 4, Article 34, Law 4485/2017).

The following may supervise theses, provided that they hold a doctoral degree:

1. Members of the T.R.S., E.E.P., L.T.S., and S.T.L.S. of the Department or of 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.
2. Emeritus Professors or retired T.R.S. members of the Department or of other Departments of the same or another H.E.I.,
3. Affiliated professors,
4. Appointed instructors,
5. Visiting professors or visiting researchers,
6. Researchers and special functional scientists of research and technological bodies under 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 P.S.P, the supervision of theses may also be assigned to members of the T.R.S., E.E.P. and L.T.S. of the Department who have not undertaken teaching work in the P.S.P, provided that they hold a doctoral degree.

The members of the committee must have the same or a related scientific specialization as the subject area of the P.S.P

In exceptional cases of objective inability to exercise supervisory duties for a long period or the existence of another serious reason, the Coordinating Committee, taking the circumstances into account, may, following reasoned justification of its decision, replace the supervisor or a Member of the Three-member Examination Committee. The replacement of the supervisor is made following an application by the postgraduate student with the consent of the proposed supervisor.

Guidelines for the writing of the postgraduate thesis, e.g. cover page, font, minimum-maximum number of words, and anything else related to its structure, are included in the Regulations for the Preparation of Assignments drawn up by the P.S.P and posted on its website at the beginning of each academic semester.

14.3 Language of writing

The thesis is written in Greek or English in accordance with established academic standards and may be accompanied by such supporting material as is deemed necessary.

If the language of writing of the thesis is Greek, then the thesis must compulsorily include an extended abstract in English. If English or any other foreign language is chosen as the language of writing, then the thesis must compulsorily include an extended abstract in Greek.

14.4 Examination of the Postgraduate Thesis

In order for the thesis to be approved, the postgraduate student must publicly defend it before the Three-member Examination Committee. For the evaluation of the thesis, the postgraduate student, after the end of the writing period of the Thesis and following the supervisor's approval, submits electronically or in print three (3) copies of the thesis to the Three-member Examination Committee. With the care of the supervisor and with the agreement of the members of the examination committee, the time of the thesis defense is set, based on the provisions of the Regulations for the Preparation of Theses of the P.S.P

It is noted that the submission of the Thesis to the members of the Committee must take place at least 15 days before the start of the examination period. Otherwise, the members of the Examination Committee may refer the examination to a subsequent examination period.

To ensure the proper and ethical use of sources and to prevent plagiarism, when the Thesis is submitted, the textual similarity report from the plagiarism detection software "Turnitin" must mandatorily be attached, and it is submitted by the postgraduate student to the Secretariat under the responsibility of the supervisor. In the event of a negative assessment, the postgraduate student has the right to request re-examination of the thesis after at least one (1) month has elapsed, provided that the corrections proposed by the Examination Committee have been made.

In the event of a new negative assessment of the Thesis (that is, even after the second submission), the Assembly decides whether the student repeats the process with the same or with a new topic, provided that the maximum duration of study, as defined in the Regulations of the P.S.P, has not been exceeded, or whether the student is permanently removed from the program without having successfully completed their studies. If the Thesis is accepted and provided the supervisor confirms that any improvements have been incorporated, the final text of the thesis is submitted to the Department Secretariat 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).

Students who were successfully examined log into the Institutional Repository "Amitos" with their institutional account and deposit their work. The detailed deposition procedure by the student is explained in the guide posted on the website of the Library and Information Center (BIKEP) of the Institution. After submission to Amitos has been completed and the registration and publication have been approved, no change to the work is possible. Withdrawal and deletion are not possible, as the works constitute the intellectual property of the Institution.

All approved postgraduate theses deposited in the Institutional Repository of the University of the Peloponnese are posted on the website of each P.S.P. Instead of posting each individual thesis, the website of the P.S.P may refer to an appropriate page of the institutional repository where the theses of the P.S.P are catalogued. If, after the award of the diploma, it is found that the thesis is a product of plagiarism, the Department Assembly or the S.P.C. may revoke the postgraduate title by a new decision.

Article 15.

Method of calculating the P.D. grade

The grading scale for assessing the performance of postgraduate students is set from 0.00 to 10.00 as follows: Excellent 8.50 to 10, Very Good 7.00 up to but not including 8.50, Good 6 up to but not including 7.00.

The final grade of the postgraduate student is determined by the course grades (C.G.) on the basis of the corresponding credits (C.), and by the thesis grade (T.G.) on the basis of the corresponding thesis credits (T.C.), as well as any other obligations provided for in the relevant Study Guide of the P.S.P, accurate to the

second decimal place. The final grade of the Postgraduate Specialization Diploma (P.D.) is calculated according to the formula:

$$Final\ Grade = \frac{1}{90} \sum_{i=1}^{10} \{C.G.(i) * C.(i) + T.G * T.C.\}$$

Article 16.
Requirements for the award of the P.D.

For the award of the P.D., the successful completion of the five (5) compulsory courses of the first semester, the five (5) compulsory courses of the second semester, the successful completion of the thesis, and the payment of the tuition fees are required.

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

Article 17.
Procedures for the evaluation of courses/instructors by postgraduate students

At the end of each academic semester, each course and each instructor are evaluated by the postgraduate students. The evaluation of the P.S.P is integrated into the Department's internal evaluation procedure, which is conducted in accordance with the procedures established by the Institution under the supervision of the Quality Assurance Unit (MODIP).

The evaluation of courses is carried out through the integrated Information System of MODIP. This system is integrated with the Institution's electronic secretariat system, and each student can evaluate, from any computer, the courses they have registered for, while preserving their anonymity. Students are informed by the Secretariat of the P.S.P of the start and end time of the evaluation period and receive detailed instructions on how it is to be conducted. The duration of the evaluation period ranges from two to three weeks.

More specifically, postgraduate students, by entering the electronic Secretariat system or another appropriately configured system of the University, may evaluate each course they have declared and attend. For each course, they are asked to answer a series of questions in which a scale from 1 (lowest score) to 5 (highest score) is typically used. The questions of the evaluation form concern the course taught and focus on:

- (a) the course syllabus
- (b) the educational material used
- (c) the educational aid provided
- (d) the relation between the student's actual workload and the course credits
- (e) the library material available
- (f) the guidance provided by the instructor
- (g) the instructor's ability to:
 - organize the course material
 - analyze and present the concepts of the course

- encourage students to express questions and queries

(h) the instructor's consistency in performing his/her teaching duties.

The Internal Evaluation Group (OMEA) of the Department has access, through the integrated Information System of MODIP, to statistical data for the evaluation of courses, which it processes and submits as recommendations to the competent bodies. The results of the evaluations are also communicated to the Coordinating Committee for processing. At the same time, MODIP processes the results of previous evaluation periods and the relevant statistical data are posted on the MODIP website. The evaluation results are communicated to the Director of the P.S.P, to the OMEA of the Department of Electrical and Computer Engineering, and to each instructor separately.

Article 18. Evaluation of the P.S.P

The annual internal evaluation of the P.S.P is carried out in cooperation with the MODIP of the University of the Peloponnese, within the framework of the internal evaluation of the academic unit to which it belongs and in accordance with the corresponding procedure of the Institution's internal Quality Assurance System. The external evaluation of P.S.P programs is conducted in cooperation with MODIP within the framework of their accreditation according to the procedure provided by the Hellenic Authority for Higher Education (HAHE).

According to Article 87 of Law 4957/2022, the Postgraduate Study Programs (P.S.P) of each Department, including interdepartmental, inter-institutional, and joint P.S.P programs for which the Department assumes administrative support, are evaluated within the framework of the periodic evaluation/accreditation of the academic unit by the National Authority for Higher Education. In this context, the overall assessment of the work carried out by each P.S.P, the degree of achievement of the objectives set at its establishment, its sustainability, the absorption of its graduates into the labor market, the degree of its contribution to research, its internal evaluation by postgraduate students, the expediency of extending its operation, and other elements relating to the quality of the work produced and its contribution to the national strategy for higher education are evaluated.

If, at the evaluation stage in accordance with the above paragraph, a P.S.P is judged not to meet the conditions for continuing its operation, its operation is completed with the graduation of already enrolled students in accordance with the establishment decision and the regulations governing postgraduate and doctoral study programs.

Under the responsibility of the Director of the P.S.P, workshops are organized with the object of discussing and studying the courses of the P.S.P and their content, so as to assess, among other things, the degree to which the program is connected with scientific progress, the labor market, and the needs of society in general. At the end of the term of office of the C.C. (Article 82, paragraph 3, item b), under the responsibility of the outgoing Director, a detailed report is prepared on the research and educational work of the P.S.P, as well as its other activities, with the aim of upgrading studies, making better use of human resources, optimizing existing infrastructure, and ensuring the socially beneficial use of the available resources of the P.S.P. The report is submitted for approval to the Assembly of the relevant Department to which the P.S.P belongs (Article 82, paragraph 2, item st).

Article 19.
Reasons and procedure for removal from the P.S.P

The Department Assembly, following a recommendation by the C.C., may decide to remove postgraduate students if they:

- (a) exceed the maximum absence limit,
- (b) have failed the examination of one or more courses and have not successfully completed the program, in accordance with the provisions of the program regulations,
- (c) exceed the maximum duration of study in the P.S.P, as defined in the regulations of the postgraduate program, unless proven serious and exceptional reasons exist,
- (d) commit criminal offences or acts subject to disciplinary control that expose and harm the Department, the School, and the University in general, and more specifically the following acts provided for in Article 197 of Law 4957/2022:
 - destruction of property of the University of the Peloponnese, movable or immovable, used by the University or members of the university community,
 - obstruction of the smooth operation of the University of the Peloponnese, including its educational, research, or administrative operation as well as the operation of its single-member and collective bodies and services, and the use of its facilities and equipment,
 - use of prohibited substances falling under Law 4139/2013 (A' 74) within the University and any contribution to their trafficking,
 - commission of any misdemeanor or felony, provided it is connected with student status.
- (e) do not pay the tuition fee provided for.
- (f) submit themselves an application for their removal.

Before issuing a decision to remove a postgraduate student, the competent body must call the student to a hearing and to present his/her views.

Article 20. Funding – Financial management of the P.S.P

20.1 Resources

The funding of the P.S.P may come from:

- tuition fees paid by students,
- the institution's own resources,
- the state budget or the public investment program,
- donations, benefits, sponsorships, and financial support of any kind,
- bequests, and
- resources from research projects or programs. Any other lawful source.

20.2 Expenditure

1. The management of the resources of the P.S.P of the University of the Peloponnese is carried out by the Special Account for Research Funds (ELKE) of the Institution, in accordance with the following:
2. The revenue of the P.S.P is distributed as follows:
 - (a) Seventy percent (70%) operating expenses of the P.S.P, which concern teaching, administrative and technical support costs, travel, equipment, software, consumables, the granting of scholarships to postgraduate students, and other expenses, such as, in particular, publicity and promotion expenses, purchase of educational material, organization of conferences, registration in scientific conferences, publication of articles in scientific journals, strengthening of research, pursuit of research, and fieldwork expenses. The compensation costs of the regular teaching, technical, and administrative staff of the Institutions concern work that exceeds their legal obligations.
 - The amount corresponding to thirty percent (30%) of the total revenue deriving from tuition fees is withheld by ELKE. This amount includes the withholding percentage in favor of ELKE for the financial management of the P.S.P. By decision of the Administration Council, adopted by the end of March each year, it is decided whether the remaining amount, after deduction of the withholding in favor of ELKE, is transferred to the regular budget or made available for the creation of projects/programs through ELKE, with the purpose of covering as a priority the needs of P.S.P programs that operate without tuition fees and covering the Institution's research, educational, and operational needs. With regard to the revenue of the P.S.P arising from donations, sponsorships, financial support of any kind, bequests, and resources from research projects or programs, the withholding in favor of ELKE applicable to revenue from corresponding sources of funding is made.
3. The Coordinating Committee makes every effort to minimize the operating cost of the P.S.P by making full use of the Department's human resources and the Institution's infrastructure, so that the sustainability of the P.S.P at the level of the study cycle is ensured.
4. The cost of publication in a reputable scientific journal or presentation at an international scientific conference of research results produced within the framework of the P.S.P is covered by the budget of the P.S.P up to the amount of 700 euros.
5. If the expected revenue is not sufficient to cover the operating cost of the P.S.P, the Director may propose alternative means of funding, which must be approved by the Assembly in order to be implemented. The same applies if the subsidy from the Institution is reduced.
6. Under the responsibility of the Coordinating Committee, the annual income-expenditure report is drawn up, indicating the allocation of expenditure by category, the remuneration of instructors in the P.S.P, and the number of instructors who received it, and is submitted to the Research Committee of ELKE for approval.
7. The Department is obliged annually to publish, by posting on its website, an income-expenditure report indicating the allocation of expenditure by category, and in particular the amount of tuition fees, the remuneration of the instructors of the P.S.P, and the number of instructors who received it.

The budget of each P.S.P may be revised by decision of the Assembly, following a recommendation by the Director of the relevant P.S.P, as a whole, provided that there is a change in income, or by expenditure category, provided that the transferred resources do not exceed twenty percent (20%) of the budget, and on condition that the fiscal neutrality of the budget of each P.S.P is maintained and safeguarded.

Article 21. Tuition fees

1. The P.S.P operates through the payment of tuition fees by students, intended to cover the Program's operating needs. To minimize the operating cost of the P.S.P, maximum possible use is sought of the Institution's infrastructure and the Department's human resources.
2. For the initial period of operation of the P.S.P, the tuition fees is set at €1,800 for each student for the whole cycle of studies (3 semesters).
3. The amount of tuition fees is readjusted by decision of the Assembly.
4. Tuition fees are paid by students in three (3) equal semester instalments at the beginning of the respective semester. Students who meet the economic or social criteria and the conditions of excellence in their first cycle of studies, in accordance with the applicable legislation, may study free of charge. In particular, students of the P.S.P are exempt from tuition fees if they cumulatively meet the following conditions: (a) they hold a grade equal to or higher than 7.50/10 in the first-cycle degree, in accordance with paragraph 1 of Article 86 of Law 4957/2022, and (b) they meet the economic/social criteria described in paragraphs 4 and 5 of Article 86 of Law 4957/2022. The relevant ministerial decision in force is followed for tuition-fee exemption.
5. This exemption is granted for participation in only one P.S.P
6. In any case, the exempted students do not exceed thirty percent (30%) of the total number of students admitted to the P.S.P per academic year.
7. If the numerical calculation of the number of beneficiaries of tuition fee exemption results in a decimal number, rounding is made to the nearest whole unit. If the number of beneficiaries of exemption exceeds the above percentage, the beneficiaries are selected in descending order of ranking until the number is reached.
8. The application for exemption from tuition fees is submitted after completion of the student selection procedure for the P.S.P The financial condition of a candidate shall in no case constitute a reason for non-selection to a P.S.P
9. Those who receive a scholarship from another source are not entitled to an exemption.
10. Citizens of third countries do not have the right to apply for exemption from the obligation to pay tuition fees in a P.S.P
11. In the event of non-compliance by the student with his/her financial obligations for a period exceeding six (6) months, the Director must inform the student in writing of the amount owed and request the immediate settlement of the debt. If the student does not respond, the Director informs the Assembly, which decides on further actions, which may include written notification to the student and, in the event of continued non-response, may decide to suspend the student's studies until the debts are settled.
12. Refund of the tuition fee instalment (per semester) is permitted only in the case of an exceptionally serious reason for discontinuation at the student's request, provided that the student adequately justifies the reasons for discontinuation to the Coordinating Committee no later than twenty (20) days from the start of classes.

Article 22. Scholarships

1. The P.S.P may grant scholarships and prizes to postgraduate students on the basis of their performance in courses and in the thesis.

2. Upon recommendation of the Coordinating Committee and by decision of the Assembly, the number and amount of the scholarships granted to postgraduate students are determined each semester.
3. In determining the number of scholarships, the Assembly considers the possibility of financing them from the budget of the P.S.P
4. A prerequisite for claiming a scholarship by a postgraduate student is the successful completion of all obligations of the previous semester.
5. Receipt of a scholarship may entail the assignment of auxiliary research or teaching work to the scholarship holders, such as the teaching of tutorials or laboratory exercises to undergraduate students or other educational/research work to be specified by the Assembly.
6. Prizes with no financial content are awarded to students of the P.S.P who have excelled in the thesis.
7. The University of the Peloponnese may grant compensatory scholarships to students of second-cycle programs for the provision of research, scientific, administrative, technical, and other support work for the Institution's activities, in accordance with paragraph 2 of Article 283 of Law 4957/2022 and the Institution's Internal Regulations. Scholarships are granted on the basis of objective academic, financial, and social criteria. Any kind of scholarships, cash prizes, and compensatory scholarships granted within the framework hereof are not subject to any tax, withholding, insurance contribution, or solidarity contribution under Article 43A of the Income Tax Code (Law 4172/2013, A' 167). For the payment of scholarship expenses and cash prizes, the beneficiary is not required to provide tax and social insurance clearance.

Article 23.

Graduation ceremony and form of the awarded diploma (P.D.)

23.1 Graduation ceremony

Graduates of the P.S.P who have successfully fulfilled their obligations are awarded a Postgraduate Diploma (P.D.) entitled "Modern Applications of Electric Power Systems". The names of the degree holders are approved by the Department Assembly, which certifies the successful completion of studies so that the P.D. may be awarded. Holders of the postgraduate degree may continue their studies for the award of a Doctoral Diploma in accordance with the applicable provisions.

Before the degree award ceremony, graduates of the P.S.P may be granted a certificate stating that they have successfully completed the P.S.P

The award of the P.D. takes place by oath in a public ceremony, which may be held simultaneously with the award of the undergraduate degrees of the Department. During the ceremony, the graduates of the P.S.P preceded the holders of undergraduate degrees.

The ceremony protocol is regulated by decision of the Senate. For those who do not wish to take a religious oath, a simple invocation of their honor and conscience is permitted.

Only one (1) original P.D. is issued and it is not replaced in the event of loss or destruction for any reason.

Holders of the P.D. are entitled to receive, free of charge, as many certificates of studies and copies of the diploma as they wish.

23.2 Form of the awarded postgraduate diploma

The P.D. title is a public document. Its form follows the template of the University of the Peloponnese and is signed by (a) the Rector, (b) the Chair of the Department, and (c) the Secretary of the Department of

Electrical and Computer Engineering and bears the seal of the Institution.

Article 24. Diploma Supplement

A Diploma Supplement is attached to the P.D., which is an explanatory document and does not substitute the official title of studies or the transcript issued by the Institution. It provides information regarding the nature, level, general educational context, content, and status of the studies successfully completed by the person named on the original diploma to which the supplement is attached.

The supplement contains no evaluative judgements and no statements of equivalence or correspondence, nor suggestions regarding the recognition of the title abroad. The Diploma Supplement is issued automatically and free of charge, without any special application, in Greek and English.

The original supplement fulfils the authenticity requirements required for the degree awarded. The date of issue of the supplement does not necessarily coincide with the date of award of the degree but may never be earlier than it.

Article 25. Academic Advisor

For the qualitative upgrading of the operation of the postgraduate program, the institution of the Academic Advisor has been established and is in operation, placing the student at the center and considering that it will contribute decisively to the student's academic and subsequent professional course.

The Academic Advisor aims to guide and support postgraduate students in their study program, with a view to the effective organization and successful completion of their studies. Equally important objectives are to highlight the points that may hinder attendance and to take corresponding initiatives to limit or eliminate them, to facilitate communication between students and instructors of the P.S.P, and to increase students' interest in more substantive participation in their studies and in university affairs.

The Academic Advisor is appointed at the beginning of each academic year, and his/her term follows the duration of each cohort of the P.S.P, in order to ensure continuity in monitoring the studies of postgraduate students.

Article 26. Website of the P.S.P

Through its official website, the P.S.P provides comprehensive information to students, graduates, interested bodies, and the public on matters concerning the program (activities, learning outcomes, awarded degrees, etc.). The website is updated continuously and is available in Greek and English. All information concerning the P.S.P, as well as announcements regarding its activities, are posted on the website of the P.S.P

The website of the P.S.P includes: the detailed curriculum, the academic calendar, the class timetable, the teaching staff, the study regulations, the regulations for the preparation of assignments, and the mobility regulations of the P.S.P.

Article 27.
Administrative Support – Infrastructure

27.1 Infrastructure

The following contribute in particular to the achievement of the objectives of the P.S.P:

- Research Laboratories
- Libraries
- The Computing Center

A portion of the revenue from the P.S.P supports the operational functioning and/or upgrading of this infrastructure.

27.2 Administrative support of the Program

Administrative support of the P.S.P is undertaken by the Department of Electrical and Computer Engineering of the University of the Peloponnese.

Each committee of the P.S.P shall be assisted in its work by a member of the Secretariat of the P.S.P by decision of the Director of the P.S.P. The head of secretarial support shall be a permanent administrative employee of the University of the Peloponnese.

Article 28.
Disciplinary Matters

In the event that disciplinary issues arise, the provisions laid down in the Institution's Internal Operating Regulations shall apply.

Article 29.
Advisory Committee (Advisory Board)

The Advisory Committee of the P.S.P is the Industrial Advisory Board approved by the Assembly of the Department of Electrical and Computer Engineering with the aim of:

- (a) better connecting and cooperating between the Department and industry in Greece and abroad, and
- (b) achieving the goal of developing high-level graduate engineers required by the labor market

The Industrial Advisory Board shall provide the Department of Electrical and Computer Engineering with information, advice, and guidance on educational, professional, and research matters, supplementing the information that the Department receives from other academic institutions and sources. The Board examines and evaluates the changing needs of the labor market in the field of Electrical and Computer Engineering, proposes action plans to the Department so that it may address new technological and economic challenges, and generally supports the achievement of the academic objectives of the Department.

Indicative responsibilities:

- Providing advice from the perspective of industry and government bodies on all aspects of the Department's operation, including the policy and strategy followed by the Department in order to achieve its mission.

- Identifying the changing needs of the labor market for Electrical and Computer Engineers and determining how the Department may meet these new needs.
- Providing recommendations on the knowledge and skills that the Department should offer in its undergraduate and postgraduate programs and in the pursuit of excellence.
- Providing evidence on new trends in research and the labor market and assisting the Department's academic planning by offering data and advice.
- Providing advice and recommendations for deepening the Department's connection with industry and promoting its graduates in the labor market.
- Improving the reputation of the Department in the Greek and international academic and professional environment.
- Promoting opportunities for cooperation between the Department and industry at the level of research and technology transfer.
- Connecting the Department with external networks in industry and public bodies, with the aim of attracting scholarships, internship positions, postgraduate study opportunities, and business collaborations.
- Participating in the search for funding and scholarships for the Department and its activities.
- Providing assistance in placing students in internship positions.

Composition of the Board:

The members of the Board may come from academia (experienced professors, emeritus professors), professional bodies (representatives of chambers and alumni associations), government bodies (ministries, local government), the labor market (experienced executives in the public and private sector), and alumni of the Department who have pursued successful professional careers. The selection of members is based on the relevance of the sector they represent and the interest of each member in contributing to the objectives of the Committee.

The composition of the Board also includes one member of the Department's T.R.S., who is appointed by the Assembly and serves as the link between the Assembly and the Board and is responsible for coordinating the work of the Board. The term of office of the Board is two years, and the members may be reappointed. The number of members of the Board does not exceed 10–12 persons.

Procedure for the establishment of the Board:

The Department may address collective bodies and request people as their representatives on the Industrial Advisory Board. It may also publicize its intention to staff the Board and receive applications from interested people. Candidate members may also be proposed by members of the Department Assembly or by any member of the Board. The convening of the meetings, as well as the work of the Board, is coordinated by the T.R.S. members appointed by the Department Assembly.

Meetings:

The meetings of the Industrial Advisory Board are held twice a year, once in the autumn semester and once in the spring semester.

Procedure for incorporating proposals:

The Industrial Advisory Board submits its proposals to the Department Assembly, which is competent to take decisions within the existing institutional framework (legislation, internal regulations of the Institution, collective bodies of the Institution), making use of the Board's recommendations for the benefit of the

Department. On a periodic basis, e.g., annually, the report of the Department should show the manner in which all or some of the Board's proposals were utilized.

Article 30.
Other Provisions

Any matters not regulated by these Regulations shall be regulated by the competent bodies, in accordance with the applicable legislation and the approved regulations for the second and third cycle programs of study of the University of the Peloponnese.

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ANNEX

COURSE DESCRIPTIONS

ENE-APP-101 ENERGY PRODUCTION – ENERGY SAVING USING RENEWABLE ENERGY SOURCES

The aim of the course is to deepen postgraduate students' knowledge of methods for utilizing Renewable Energy Sources both for energy production and for energy saving, so that they are able to assess the relevant processes from a technical, economic, and social point of view within the framework of their training. Specifically, the course focuses on the following topics.

- General elements of electric energy conversion devices using renewable sources and basic operating principles.
- Advanced knowledge of semiconductor theory and low-dimensional semiconductors. Energy bands, metal-semiconductor contacts, and semiconductor-semiconductor contacts.
- New photovoltaic system technologies for integration into buildings (first- and second-generation PVs). Operating principles and applications.
- Third-generation photovoltaic systems (transparent photovoltaics). Development of PV technology based on dye-sensitized solar cells (DSSC) and perovskite solar cells (PSC). Operating principles and applications.
- Development of PV technology based on quantum-structured semiconductors (QSSC) and organic photovoltaics (OPV). Operating principles and applications.
- Energy-saving technologies in buildings are based on new types of glazing (low-e, smart windows, liquid crystals). Operating principles of these devices.
- Thermal conversion of solar energy. Solar water heaters and hybrid systems. Heat exchangers.
- Thermal/solar collector technology.
- Energy balance and solar collector efficiency.
- Hybrid solar and thermal systems.
- Characteristics of the wind potential of an area. Maps and calculations of wind characteristics. Statistical analysis of wind potential.
- Wind turbines and their main types. Wind turbine siting. Calculation of wind turbine power and energy yield.
- Siting and calculation of the power and energy yield of wind farms. Hybrid electric power generation systems.

ENE-APP-102 SPECIAL TOPICS IN ELECTRICAL MACHINES

Within the course, the required theory is presented for the study of the operation of specific machines and related concepts, including magnetomotive force, rotating magnetic field, voltage and torque development, and equivalent circuits. AC machines are analyzed on the basis of the generalized theory of electrical machines, and an introduction is given to the dynamic analysis of AC electrical machines and to the transformation of stator and rotor windings into the (d, q, γ) axis system.

ENE-APP-103 MICROCONTROLLERS & DATA TRANSFER

The objective of the course is to understand the process of designing systems comprising networked microcontrollers for the development of integrated monitoring and control applications, both locally and via the Internet (IoT). The course covers the architecture of advanced 32-bit microcontrollers (ESP32-C3, STM32) based on RISC architecture, methods of interfacing with analog/digital inputs/outputs using appropriate integrated circuits and widely used protocols (RS232, I2C, SPI, CAN), as well as their interconnection via the MQTT protocol with IoT platforms (HiveMQ MQTT broker, ThingSpeak, ThingsBoard, etc.) for the development of Internet-based

monitoring and control applications. Emphasis is placed on the development of applications with C/C++ and MicroPython for dynamic load management and demand response within the framework of dynamic energy pricing in the smart grid.

ENE-APP-104 MODELLING AND CONTROL OF ELECTROMECHANICAL SYSTEMS

The aim of the course “Modelling and Control of Electromechanical Systems” is to deepen postgraduate students’ knowledge of electromechanical systems, including the electric power grid and microgrids, and their applications. Emphasis is placed on learning modern simulation tools for such systems in order to achieve better control for their uninterrupted and smooth operation, regardless of any problems that may arise. The models developed for simulation concern dynamic nonlinear systems that, in essence, are never in complete equilibrium. Loads and power demands change at every moment and there is a problem in storing large amounts of energy that can smooth out any operational problems that may arise. These problems are multiplied by the integration of modern renewable energy sources, which require faster responses for proper operation control. Proper control presupposes a proper model. Grid and microgrid elements are modelled appropriately with whatever simplifications are needed for correct networking in specific applications.

ENE-APP-105 MODERN APPLICATIONS OF POWER ELECTRONICS

The aim of the course “Modern Applications of Power Electronics” is to deepen postgraduate students’ knowledge of modern power electronic converters together with the corresponding pulse modulation techniques. The interaction of converters with the full set of power-system parameters is also examined. Within the course, the basic topologies of power electronic converters (AC-AC, AC-DC, DC-DC, and DC-AC) in modern applications are examined. The most widely used of these are analyzed, with emphasis on advanced pulse modulation techniques to improve power quality and increase system efficiency. In addition, topologies are presented for: (a) the connection of RES to the grid and (b) the charging of electric batteries.

ENE-APP-201 ENERGY STORAGE SYSTEMS

The aim of the course “ENERGY STORAGE SYSTEMS” is to deepen postgraduate students’ knowledge of energy storage systems so that they are able to assess the relevant processes from a technical, economic, and social perspective within the framework of their training. More specifically, students are expected to develop personal skills such as critical thinking, the ability to design research studies, oral presentation skills, and the ability to write scientific articles on the review, investigation, and evaluation of modern energy storage technologies (electrical and thermal), since this scientific field constitutes a critical parameter for optimizing the corresponding power flows and an essential factor for the further penetration of RES in the energy balance. These skills, combined with students’ expertise and specialization, will make them highly attractive and competitive scientific personnel, capable of meeting the modern demands of the global labor market.

ENE-APP-202 ADVANCED TOPICS IN ELECTRICAL INSTALLATIONS

Within the course, the required theory is presented to understand the problems arising from the transition of traditional Electric Power Systems to intelligent, flexible, cyber-physical electrical systems. The concepts of distributed generation, flexibility, the active distribution network, and the microgrid as a cell of the smart grid are introduced. Issues related to connecting RES stations to the grid are also presented, along with modern

trends in providing ancillary services through active demand management methods and distributed generation control algorithms. Emphasis is placed on renewable energy installations in buildings combined with electrical energy storage under net-metering or virtual net-billing schemes in order to achieve goals such as reducing energy costs, increasing self-consumption, load shifting, and reducing peak loads. In addition, the principles of smart charging of electric vehicles at various scales are introduced. Smart charging techniques at charging stations are studied in combination with the utilization of renewable energy sources and electrical energy storage.

ENE-APP-203 ENERGY ECONOMICS

The aim of the course "Energy Economics" is to understand concepts related to the operation of modern electricity markets within the framework of the Electric Power System. Initially, the fundamental problem of economic dispatch is solved analytically, while an introduction is then given to linear programming as a tool for modelling problems such as the scheduling and commitment of thermal and hydroelectric units. Market operation and wind generation operation are modelled and simulated in the laboratory using open-source software tools. Finally, methodologies for forecasting electricity demand are presented, as well as issues related to the operation of energy exchanges and energy communities.

ENE-APP-204 ENERGY PERFORMANCE OF BUILDINGS

The determination of the energy performance of buildings incorporates complex design and installation principles and applications, as it aims at satisfying thermal comfort in combination with energy saving and the improvement of their environmental footprint. A key parameter for the sustainable energy management of buildings is the integration of passive and active design systems through the implementation of effective and "smart" energy management systems that adapt their operation according to building use. Accordingly, energy design and air-conditioning of buildings require that the engineer master issues relating to heat transfer, psychrometrics and air-conditioning, as well as the integration of RES into their energy balance.

ENE-APP-205 ELECTRIC VEHICLE TECHNOLOGY

The aim of the course "Electric Vehicle Technology" is to deepen postgraduate students' knowledge of the technology and analysis of electric vehicle systems. An electric vehicle consists of: (a) the electric drive system, (b) energy storage, (c) the mechanical part (transmission system, steering system, etc.), and (d) the supervision and control system of the vehicle subsystems, as well as the communication system between the electric vehicle, the charging infrastructure, and the smart grid. Some of the topics have been analyzed in previous postgraduate courses. Those systems that have not yet been analyzed, as well as the synthesis of all subsystems into a single system, constitute the basic structure of this course. Thus, the mechanical subsystems of an electric vehicle, the electric motor control, and finally the vehicle automation system, as well as the communication system, will be presented.

ENE-APP-MDE Thesis

The purpose of the Thesis is:

- The student should be able to search for, select, analyze, and synthesize bibliographic data in a specific scientific field and topic.
- The student should be able to organize the theoretical / bibliographic material and become familiar with a specific way of writing scientific text.
- The student should be able to become familiar with the concept of plagiarism and its avoidance through the proper reproduction of bibliographic data.
- The student should become familiar with the use and citation of bibliographic references.
- The student should be able to organize and present their data to a broad audience.