



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
HELLENIC REPUBLIC



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Ανώτατης Εκπαίδευσης**
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Accreditation Report

for the Postgraduate Study Programme of:

Inorganic Chemistry and its Applications in Industry

Department: Chemistry

Institution: National and Kapodistrian University of Athens

Date: 30 November 2023



Επιχειρησιακό Πρόγραμμα
Ανάπτυξη Ανθρώπινου Δυναμικού,
Εκπαίδευση και Διά Βίου Μάθηση
Με τη συγχρηματοδότηση της Ελλάδας και της Ευρωπαϊκής Ένωσης



Report of the Panel appointed by the HAHE to undertake the review of the Postgraduate Study Programme of **Inorganic Chemistry and its Applications in Industry** of the **National and Kapodistrian University of Athens** for the purposes of granting accreditation.

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PART A: BACKGROUND AND CONTEXT OF THE REVIEW

I. The External Evaluation & Accreditation Panel

The Panel responsible for the Accreditation Review of the postgraduate study programme of **Inorganic Chemistry and its Applications in Industry** of the **National and Kapodistrian University of Athens** comprised the following five (5) members, drawn from the HAHE Register, in accordance with Laws 4009/2011 & 4653/2020:

1. Dimakis Nikolaos (Nicholas) (Chair)

Department of Physics and Astronomy, College of Sciences, University of Texas Rio Grande Valley (UTRGV), Edinburg, TX, USA

2. Koutsogianni Zoi-Lina

Aristotle University of Thessaloniki, Thessaloniki, Greece

3. Pavlostathis Spyros

School of Civil and Environmental Engineering, Georgia Institute of Technology, Atlanta, GA, USA

4. Soutanas Panagiotis

University of Nottingham, Nottingham, UK

5. Xantheas Sotiris

Pacific Northwest National Laboratory U.S. Department of Energy, Richland, WA, USA

II. Review Procedure and Documentation

The Hellenic Authority for Higher Education (HAHE) formed an external evaluation assessment panel (EEAP) of experts to assess the compliance of the postgraduate study programme (PSP) “Inorganic Chemistry and its Applications in Industry” of the National and Kapodistrian University of Athens (NKUA). The EEAP was tasked to draft an accreditation report in accordance with the HAHE Quality Assurance requirements (laws 4009/2011 & 4653/2020). The PSP assessment was conducted through document reviews and online interviews with the academic staff, the PSP students, and its graduates, as well as with social partners. The method used was an evidence-based process centered on the sampling of the PSP’s activities. It was aimed at evaluating the fulfilment of the HAHE requirements of the relevant PSP quality assurance standards and commenting on its compliance, effectiveness, and applicability. The information provided by the PSP was assumed to be factually correct. The entire evaluation and accreditation was carried out remotely.

First of all, in order to facilitate acquaintance and establish a working approach for accreditation procedures, the EEAP met online on Monday 20th of November 2023 from 14:00-15:00 (Eastern European time-EET). The EEAP review of the PSP started officially via Webex at 15:00 EET. During the meeting held from 15:00 EET to 16:00 EET, the Director of the PSP Prof. C. Mitsopoulou, the Steering Committee (Prof. A. Danopoulos and Prof. P. Kyritsis), the Department Internal Evaluation Group (OMEA) member (Prof. P. Paraskevopoulou), the University Quality Assurance Unit (MODIP) members and staff, were present in this meeting. The meeting began with a detailed presentation by Prof. C. Mitsopoulou, who provided an overview of the PSP, covering its historical background, academic profile, admission procedure, student’s opportunities, current status, as well as highlighting the strengths and potential areas of concern. The EEAP watched an online video (16:00-16:30 EET) (<http://users.uoa.gr/~achryssan/ChemistryInorganicModipPMSFinal.mp4>), where some of the facilities were presented. Subsequently, the EEAP met and discussed with the administrative staff members (G. Satratzemi) and teaching staff members for issues related to the PSP’s infrastructure and students’ access to the various facilities. At the end of the day, the EEAP met privately until 16:30 EET, to discuss the impressions of the first day and made preparations for the second day of the online review.

On November 21, 2023, from 15:00 to 15:45 EET, the EEAP met with the teaching staff of the PSP, Prof. G. Papaefstathiou, Prof. P. Paraskevopoulou, Assoc. Prof. E. Efthimiadou, Assoc. Prof. C. Methenitis, Assoc. Prof. A. Philippopoulos, Assis. Prof. N. Tsoureas, Assist. Prof. N. Psaroudakis, and Assist. Prof. A. Chrissanthopoulos, to discuss the PSP professional development opportunities, its mobility, and the teaching methods. At 16:00 EET, the EEAP met with 7 students of the PSP to discuss their satisfaction and their study experience so far.

At 17:30 EET, the EEAP met with the PSP graduates, Kyriaki Vourliotaki, Eleni Effraimopoulou, Fotios Kamatsos, Maria Drosou, Sophia Balou, Christina Koutsouroubi, Alex Magiakos, and Konstantinos Papanikos, to discuss about their experience and their career paths. At 18:15 EET, the EEAP met and discussed with employers and social partners of the PSP (hereafter named as external stakeholders), Marios Tsourdinis, George Floros, Eleftheria Petalidou, Konstantinos Georgiopoulos, Konstantinos Letsios, Alex Grigoropoulos, Eugenia Koutsouri, and Alex Thymiopoulos. Finally, after debriefing among the EEAP members in private at 19:00 EET, the EEAP had a closure meeting at 19:30 EET with Prof. T. Mavromoustakos (replacing the Head of Department of Chemistry Prof. E. Lianidou), Prof. C. Mitsopoulou, the OMEA (Prof. P. Paraskevopoulou), the Steering Committee (Prof. G. Papaefstathiou, Prof. P. Kyritsis, Prof. A. Danopoulos), and the MODIP (T. Chatzitheodorou) to discuss key findings.

During the following days (22-26 November 2023), the EEAP received additional information from Prof. C. Mitsopoulou and evaluated the content for the completion of the draft of the accreditation report.

III. Postgraduate Study Programme Profile

The PSP “Inorganic Chemistry and its Applications in Industry” is hosted and offered by the NKUA Department of Chemistry and was initially established in 1990, whereas it was re-established in 2018 (ΦΕΚ Β' 2378/21-6-2018) and was reformed in 2021 (ΦΕΚ 3025/15-6- 2021 τ.Β'). The objectives of the PSP are the promotion of scientific knowledge and the application of new knowledge and technology and the specialization of scientists in the field of inorganic chemistry. Teaching in the PSP is carried out by faculty of the NKUA Department of Chemistry. The instruction is in-person. The maximum number of admitted students per academic year is set 20. Holders of a degree in Chemistry, Materials Science, and from other related fields from Greek universities and from abroad, which are recognized by the DOATAP (the Greek Accreditation Centre for foreign university degrees), are eligible to apply to the program. The duration of the PSP is three (3) academic semesters. To graduate, the student must have successfully completed a total of 90 European Credit Transfer And Accumulation System (ECTS) credits (60 ECTS for coursework and laboratory exercises and 30 ECTS for the preparation and successful completion of a postgraduate Thesis). A total of €3,000 in tuition fees for the entire program is paid in three instalments. Students who meet the economic or social criteria and upon conditions of excellence during the first cycle of studies, in accordance with the current legislation, are exempt from tuition fees. The number of exempt students cannot exceed 30% of the total number of students admitted to the PSP per academic year.

PART B: COMPLIANCE WITH THE PRINCIPLES

PRINCIPLE 1: QUALITY ASSURANCE POLICY AND QUALITY GOAL SETTING FOR THE POSTGRADUATE STUDY PROGRAMMES OF THE INSTITUTION AND THE ACADEMIC UNIT

INSTITUTIONS SHOULD APPLY A QUALITY ASSURANCE POLICY AS PART OF THEIR STRATEGIC MANAGEMENT. THIS POLICY SHOULD EXPAND AND BE AIMED (WITH THE COLLABORATION OF EXTERNAL STAKEHOLDERS) AT THE POSTGRADUATE STUDY PROGRAMMES OF THE INSTITUTION AND THE ACADEMIC UNIT. THIS POLICY SHOULD BE PUBLISHED AND IMPLEMENTED BY ALL STAKEHOLDERS.

The quality assurance policy of the academic unit should be in line with the quality assurance policy of the Institution and must be formulated in the form of a public statement, which is implemented by all stakeholders. It focuses on the achievement of special goals related to the quality assurance of the study programmes offered by the academic unit.

Indicatively, the quality policy statement of the academic unit includes its commitment to implement a quality policy that will promote the academic profile and orientation of the postgraduate study programme (PSP), its purpose and field of study; it will realise the programme's goals and it will determine the means and ways for attaining them; it will implement appropriate quality procedures, aiming at the programme's improvement.

In particular, in order to implement this policy, the academic unit commits itself to put into practice quality procedures that will demonstrate:

- a) *the suitability of the structure and organisation of postgraduate study programmes*
- b) *the pursuit of learning outcomes and qualifications in accordance with the European and National Qualifications Framework for Higher Education - level 7*
- c) *the promotion of the quality and effectiveness of teaching at the PSP*
- d) *the appropriateness of the qualifications of the teaching staff for the PSP*
- e) *the drafting, implementation, and review of specific annual quality goals for the improvement of the PSP*
- f) *the level of demand for the graduates' qualifications in the labour market*
- g) *the quality of support services, such as the administrative services, the libraries and the student welfare office for the PSP*
- h) *the efficient utilisation of the financial resources of the PSP that may be drawn from tuition fees*
- i) *the conduct of an annual review and audit of the quality assurance system of the PSP through the cooperation of the Internal Evaluation Group (IEG) with the Institution's Quality Assurance Unit (QAU)*

Documentation

- *Quality Assurance Policy of the PSP*
- *Quality goal setting of the PSP*

Study Programme Compliance

I. Findings

The institution has developed and implemented its quality assurance policy as part of its broader strategy (https://en.uoa.gr/about_us/mission_policies_and_publications/quality_assurance_policy/). The Department of Chemistry, in collaboration with the MODIP and the OMEA, has harmonized the quality assurance policy of the PSP "Inorganic Chemistry and its Applications in Industry" with that of the university,

accompanied by annual quality assurance targets for the continuous development and improvement of the PSP, as well as that of the academic unit and other educational programmes.

The PSP quality assurance policy is publicly accessible from its website (<http://inorgchemind-msc.chem.uoa.gr/politiki-poiothtas.html>) and includes adequate reference to the PSP delivery, with commitments to satisfy requirements and strive for continuous improvement. The quality assurance policy is sufficiently communicated to all parties involved. Goals are monitored, updated, and communicated according to the quality assurance policy implemented by the institution and the PSP. The quality assurance system is reviewed on an annual basis by the OMEA and the results are communicated to MODIP, which issues an annual report. In addition to OMEA, a departmental Coordinating/Steering Committee further aids in the overall quality assurance of the PSP.

The processes and procedures used for the monitoring and continuous improvement of the PSP quality are as follows: a) The strict implementation of the PSP policy for quality assurance; b) The optimal disposition and management of the PSP resources, including those resulting from tuition fees; c) The establishment of quality assurance objectives of the PSP on an annual basis; d) The periodic internal evaluation and monitoring of the PSP on an annual basis; e) The collection of quality data, quantitation, analysis, and improvement of the PSP; f) The disclosure and publication of all information related to the PSP made publicly accessible; g) The periodic external evaluation and accreditation process following established procedures by HAHE.

The quality and effectiveness of teaching is closely monitored through the course/instructor evaluation by the students, with data collected by the OMEA and transferred to MODIP on an annual basis.

II. Analysis

The structure and organization of the PSP is well thought out and in line with the overall goal of the programme. The advanced material covered along with the study of new techniques in the area of Inorganic Chemistry and its Applications in Industry result in learning outcomes and qualifications of the postgraduate students consistent with Level 7 of the European and National Qualifications Framework for Higher Education. Teaching methods, learning outcomes, and student satisfaction are all explained in the PSP Study Guide. The PSP students have access to excellent support services at both the department and the university level.

The PSP has set specific and measurable goals regarding the postgraduate programme. The targets are also paired with suitable key performance indicators (KPIs). According to the 2023 quality targets report, overall the PSP is at a satisfactory point in terms of achieving several set targets. However, values for several targets are set relatively low, in particular those related to the annual

percentage of postgraduate students who graduated to all registered students and the annual percentage of postgraduate students who graduated within the expected three semesters of the study programme.

III. Conclusions

Overall, this is a well-organized PSP focusing on the quality of the offered knowledge and skills. The PSP quality assurance policy includes a commitment for its implementation and continuous improvement. The metrics established by the PSP are adequate in tracking and documenting the quality of the programme. However, the annual values for several targets are set relatively low and should be reassessed.

Panel Judgement

Principle 1: Quality assurance policy and quality goal setting for the postgraduate study programmes of the institution and the academic unit	
Fully compliant	X
Substantially compliant	
Partially compliant	
Non-compliant	

Panel Recommendations

- Major improvements made as a result of course/instructor evaluations should be documented, communicated to all involved, and published on the PSP website.
- The set annual values for several targets should be reassessed and increased.
- The interactions with alumni upon their graduation should be exploited as a potential means of informing the decision-making process regarding future directions of the programme.
- Establishment of a formal External Advisory Board should be considered, which will guide the continuous review, revision, and further development of the curriculum.

PRINCIPLE 2: DESIGN AND APPROVAL OF POSTGRADUATE STUDY PROGRAMMES

INSTITUTIONS SHOULD DEVELOP THEIR POSTGRADUATE STUDY PROGRAMMES FOLLOWING A DEFINED WRITTEN PROCESS WHICH WILL INVOLVE THE PARTICIPANTS, INFORMATION SOURCES AND THE APPROVAL COMMITTEES FOR THE POSTGRADUATE STUDY PROGRAMMES. THE OBJECTIVES, THE EXPECTED LEARNING OUTCOMES AND THE EMPLOYMENT PROSPECTS ARE SET OUT IN THE PROGRAMME DESIGN. DURING THE IMPLEMENTATION OF THE POSTGRADUATE STUDY PROGRAMMES, THE DEGREE OF ACHIEVEMENT OF THE LEARNING OUTCOMES SHOULD BE ASSESSED. THE ABOVE DETAILS, AS WELL AS INFORMATION ON THE PROGRAMME'S STRUCTURE ARE PUBLISHED IN THE STUDENT GUIDE.

The academic units develop their postgraduate study programmes following a well-defined procedure. The academic profile and orientation of the programme, the research character, the scientific objectives, the specific subject areas, and specialisations are described at this stage.

The structure, content and organisation of courses and teaching methods should be oriented towards deepening knowledge and acquiring the corresponding skills to apply the said knowledge (e.g. course on research methodology, participation in research projects, thesis with a research component).

The expected learning outcomes must be determined based on the European and National Qualifications Framework (EQF, NQF), and the Dublin Descriptors for level 7. During the implementation of the programme, the degree of achievement of the expected learning outcomes and the feedback of the learning process must be assessed with the appropriate tools. For each learning outcome that is designed and made public, it is necessary that its evaluation criteria are also designed and made public.

In addition, the design of PSP must consider:

- *the Institutional strategy*
- *the active involvement of students*
- *the experience of external stakeholders from the labour market*
- *the anticipated student workload according to the European Credit Transfer and Accumulation System (ECTS) for level 7*
- *the option of providing work experience to students*
- *the linking of teaching and research*
- *the relevant regulatory framework and the official procedure for the approval of the PSP by the Institution*

The procedure of approval or revision of the programmes provides for the verification of compliance with the basic requirements of the Standards by the Institution's Quality Assurance Unit (QAU).

Documentation

- *Senate decision for the establishment of the PSP*
- *PSP curriculum structure: courses, course categories, ECTS awarded, expected learning outcomes according to the EQF, internship, mobility opportunities*
- *Labour market data regarding the employment of graduates, international experience in a relevant scientific field*
- *PSP Student Guide*
- *Course and thesis outlines*
- *Teaching staff (name list including of areas of specialisation, its relation to the courses taught, employment relationship, and teaching assignment in hours as well as other teaching commitments in hours)*

Study Programme Compliance

I. Findings

The PSP “Inorganic Chemistry and its Applications in Industry” is well-designed and covers a broad selection of topics. The study programme has been designed based on international standards. It is systematically reviewed based mainly on students’ questionnaires and teaching staff initiatives. Course revisions are proposed to the Study Programme Committee, which then brings them for approval to the General Faculty Assembly. Occasionally, current developments, advancements in the field, and new techniques are considered, resulting in new and revised courses. The programme follows the ECTS: It consists of three semesters, each amounting to 30 ECTS, with 90 ECTS in total. The last semester is dedicated to postgraduate Thesis work. In general, the course workload does not seem to be heavy for both students and teaching staff. Students’ participation in internship training is possible, but not required.

A detailed description of the courses offered is provided on the PSP website. Information is revised and updated regularly. There are several elective courses to better match the professional interests of students, both those who seek employment upon graduation and those who continue on with doctoral studies. Lectures are given in-person, although the PSP has the capability for remote, synchronous teaching. There is minimum overlapping with the content of similar undergraduate courses. Thus, the students’ needs to upgrade their knowledge are fully satisfied. Overall, the quality of the programme at the postgraduate level is very high. Students’ mobility to European programmes through Erasmus+ and/or CIVIS is encouraged, and students participate in summer short courses.

The PSP prepares graduates for careers in both the private and public sector of the economy, such as in chemical and pharmaceutical industry, quality control laboratories, health services, research, and development (R&D) departments, public bodies, as well as in research centers. In addition, a number of graduates continue with doctoral studies.

The alumni and stakeholders interviewed by the EEAP expressed a very positive opinion of the programme. However, the panel found no evidence of advice by external stakeholders used in the strategic development of the programme, potential curriculum enhancements, research needs, and alternative sources of funding.

II. Analysis

The study programme results in learning outcomes and qualifications of the postgraduate students consistent with Level 7 of the European and National Qualifications Framework for Higher Education. The teaching staff is dedicated to the mission of the programme and is experienced in running it. Teaching is linked to the extensive research activities of the faculty, which informs students relative to contemporary issues as well as new developments and techniques. There is no

regular, established procedure for systematic review and revision of the programme. In particular, there is no evidence of student participation in the curriculum development and/or revision. Programme interactions with external partners are good, but most of them are not systematic or formalized.

III. Conclusions

Overall, the EEAP finds that the programme is not fully compliant with Principle 2, mainly for not having established a formal process for the periodic review and revision of the curriculum involving postgraduate students, recent graduates, as well as external partners and stakeholders.

Panel Judgement

Principle 2: Design and approval of postgraduate study programmes	
Fully compliant	
Substantially compliant	X
Partially compliant	
Non-compliant	

Panel Recommendations

- A dedicated alumni portal may be developed to promote post-graduation interactions. This community could facilitate important networking interactions among graduates.
- Engage alumni and external programme partners in the strategic development, revision, and enhancement of the programme.

PRINCIPLE 3: STUDENT-CENTRED LEARNING, TEACHING, AND ASSESSMENT

INSTITUTIONS SHOULD ENSURE THAT POSTGRADUATE STUDY PROGRAMMES PROVIDE THE NECESSARY CONDITIONS TO ENCOURAGE STUDENTS TO TAKE AN ACTIVE ROLE IN THE LEARNING PROCESS. THE ASSESSMENT METHODS SHOULD REFLECT THIS APPROACH.

Student-centred learning and teaching plays an important role in enhancing students' motivation, their self-evaluation, and their active participation in the learning process. The above entail continuous consideration of the programme's delivery and the assessment of the related outcomes.

The student-centred learning and teaching process

- *respects and attends to the diversity of students and their needs by adopting flexible learning paths*
- *considers and uses different modes of delivery, where appropriate*
- *flexibly uses a variety of pedagogical methods*
- *regularly evaluates and adjusts the modes of delivery and pedagogical methods aiming at improvement*
- *regularly evaluates the quality and effectiveness of teaching, as documented especially through student surveys*
- *strengthens the student's sense of autonomy, while ensuring adequate guidance and support from the teaching staff*
- *promotes mutual respect in the student-teacher relationship*
- *applies appropriate procedures for dealing with the students' complaints*
- *provides counselling and guidance for the preparation of the thesis*

In addition

- *The academic staff are familiar with the existing examination system and methods and are supported in developing their own skills in this field.*
- *The assessment criteria and methods are published in advance. The assessment allows students to demonstrate the extent to which the intended learning outcomes have been achieved. Students are given feedback, which, if necessary is linked to advice on the learning process.*
- *Student assessment is conducted by more than one examiner, where possible.*
- *Assessment is consistent, fairly applied to all students and conducted in accordance with the stated procedures.*
- *A formal procedure for student appeals is in place.*
- *The function of the academic advisor runs smoothly.*

Documentation

- *Sample of a fully completed questionnaire for the evaluation of the PSP by the students*
- *Regulations for dealing with students' complaints and appeals*
- *Regulation for the function of academic advisor*
- *Reference to the teaching modes and assessment methods*

Study Programme Compliance

I. Findings

The PSP has a duration of three-academic semesters. It addresses mainly graduates from chemistry and other related departments. It requires successful completion of six (6) mixed lecture/laboratory courses over a two-semester period, while during the last semester students work on their postgraduate Thesis (written in either Greek or English). The students must earn 90 ECTS units in order to complete

the PSP. The program is designed to accommodate students from other disciplines; one of the students interviewed coming from another discipline commented on how the teaching staff was helpful in assisting to overcome the learning of chemical principles. Both the current students and alumni have commented on the high quality of the program and the assistance of the teaching staff who have created a welcoming and engaging environment for the students. The EEAP commends positively on the high mobility of the students within Greece (industry) and abroad (Erasmus+, etc.). The students provide evaluation of and feedback to the PSP, and their comments and suggestions are addressed by the teaching staff unofficially. Graduates of the PSP are invited to visit and interact with current students. There exists an almost daily interaction between the students and their supervisor to the extent that there is no need for formal channels of communication. The EEAP was pleased to hear that an “open door” policy exists between the teaching staff and the students. Additionally, students are aware of and use safety protocols, building up from their experience as undergraduates (6 out of the 7 students interviewed are graduates of the NKUA Department of Chemistry). The majority of the interviewed students (4 out of 7) said that they planned to finish in 3 semesters, while half wanted to proceed to a Ph.D. degree with the other half opting for industry.

II. Analysis

The current students and alumni receive high quality education from a body of accomplished teaching staff and in addition hands-on experience during their 3rd semester. While there is some interaction with industry, the EEAP feels that this can be further expanded to benefit the PSP. The students make very good use of mobility programs such as the Erasmus+ and industry. Extending the interaction with industry and stakeholders will result in the further improvement of the PSP.

III. Conclusions

The curriculum of the PSP adheres with the standards set forth by HAHE. Overall, there is excellent communication between the students and the teaching staff of the PSP, resulting in a warm, welcoming, engaging and supporting learning environment that has a rewarding effect on the professional career of the students.

Panel Judgement

Principle 3: Student-centred learning, teaching, and assessment	
Fully compliant	X
Substantially compliant	
Partially compliant	
Non-compliant	

Panel Recommendations

Increase the interaction with industry and consider the possibility of allowing students to spend some time in industry as interns during their postgraduate Thesis in consultation with their academic advisor / thesis supervisor.

PRINCIPLE 4: STUDENT ADMISSION, PROGRESSION, RECOGNITION OF POSTGRADUATE STUDIES, AND CERTIFICATION

INSTITUTIONS SHOULD DEVELOP AND APPLY PUBLISHED REGULATIONS COVERING ALL ASPECTS AND PHASES OF STUDIES (ADMISSION, PROGRESSION, THESIS DRAFTING, RECOGNITION AND CERTIFICATION).

All the issues from the beginning to the end of studies should be governed by the internal regulations of the academic units. Indicatively:

- *the student admission procedures and the required supporting documents*
- *student rights and obligations, and monitoring of student progression*
- *internship issues, if applicable, and granting of scholarships*
- *the procedures and terms for the drafting of assignments and the thesis*
- *the procedure of award and recognition of degrees, the duration of studies, the conditions for progression and for the assurance of the progress of students in their studies*
- *the terms and conditions for enhancing student mobility*

All the above must be made public in the context of the Student Guide.

Documentation

- *Internal regulation for the operation of the Postgraduate Study Programme*
- *Research Ethics Regulation*
- *Regulation of studies, internship, mobility, and student assignments*
- *Degree certificate template*

Study Programme Compliance

I. Findings

The PSP admits up to 20 students every academic year. Since 2106, a total of 79 students were admitted in the PSP, which corresponds to an average of approximately 10 students per academic year. In the current academic year (i.e., 2023-24), there are 5 enrolled students. The admission criteria cover a broad spectrum of factors including the undergraduate degree grade, the final undergraduate research project, the average grade of three most relevant undergraduate courses, the knowledge of the English language, any published research articles, letters of recommendations, possible practical/professional experience, an admission interview and for international students the knowledge of the Greek language. Applicants come from a range of disciplines including Chemistry, Biology, Geology, Biological Applications and Technologies, Medicine, Pharmacy, Biochemistry, Chemical Engineering, and Materials Engineering. Annually, in June, a call for admissions is posted on the PSP's and the institute's (NKUA) web site, as well as on other relevant websites (e.g., eduguide.gr, spoudase.gr, and metaptixiako.gr). Student applications for admission to this PSP are submitted electronically by September at <https://eprotocol.uoa.gr>. The PSP requires fees of €3,000 in total but scholarships (up to a maximum of two) can be given to outstanding students based upon their academic performance in the first semester.

Incoming new students are welcomed and given relevant information during an orientation meeting at the onset of the first semester. All relevant information is also available in the Study Guide uploaded on the PSP web site (<http://inorgchemind-msc.chem.uoa.gr/odhgos-spydon.html>).

All announcements and subsequent information uploads are forwarded to the PSP students through their personal emails. Within two months from the onset of their studies, students submit their preferences for the selection of their research advisors. All PSP students benefit from the wider facilities, tools, and resources of the university.

The PSP covers three semesters, with each semester contributing 30 ECTS to the PSP, amounting to a total of 90 ECTS. The first semester includes four compulsory courses. The second semester includes one compulsory course and 5 additional courses, from which each student must choose two courses to make up the necessary 30 ECTS for progression to the final (third) semester that is dedicated entirely to the postgraduate Thesis. The % distribution of laboratory-based training versus theoretical lectures starts from 20%-80%, respectively, in the first semester and progresses to 50%-50% and 100% in the second and third semesters, respectively. Course assessments are carried out through a final exam that includes multiple choice questions and questions challenging the critical and problem-solving abilities of the students. Lecture attendance is compulsory and less than 80% attendance in a particular course disqualifies a student from taking the final exam, necessitating them to repeat the course. The PSP offers distinction awards for up to the top three students based upon their academic performance in the first two semesters.

The PSP cooperates with foreign institutions within the framework of the Erasmus+ exchange programme and CIVIS (Europe's Civic University Alliance), as well with relevant industries within Greece. Students can use these opportunities to do internships and gain an extra 5 ECTS, which does not count towards the total of 90 ECTS required for the successful completion of the PSP. These extra 5 ECTS are included in the final Postgraduate Diploma provided to each student upon successful completion of the PSP. A substantial number of students (21) since 2017 have taken up internships in industry (6 students), foreign research institutes (2), and in national research institutes (4), as well as through the Erasmus+ and CIVIS (9) programmes. Contacts with the industry are further reinforced through regular visits to industrial sites. The PSP students are also obliged to attend a summer school free of charge which is organized by the PSP to listen to relevant research presentations from internationally and nationally renowned scientists. There was some COVID disruption to these summer schools, but they are planned to resume from the summer of 2024.

The NKUA Department of Chemistry uses Turnitin to guard against plagiarism for cases of academic misconduct, including copy/paste and internet misuse. There is an intention from the department to also guard against the misuse of AI but no

clear guidance and/or tools to achieve this was apparent.

The postgraduate Thesis contributes a substantial % of total grade (i.e., 1/3). The thesis can be written either in Greek or English and is followed by a public defence. The Postgraduate Diploma Supplement is issued in both Greek and English, free of charge to all graduates of the PSP. This provides detailed information on the identity of the diploma holder, the actual qualification, the level of the qualification, the contents of the PSP and the academic results gained by the holder.

II. Analysis

The PSP provides its students with a strong theoretical and practical background in the field of Inorganic Chemistry and its applications in Industry. About 21% (3/14) and 40% (6/15) of the PSP students for the academic years 2020-21 and 2021-22, respectively graduate on time. The on-time graduation rate for the entire 2016-2022 period is 43%. The drop-out rate is 0%.

There is good uptake of internships by the PSP students often leading to future employment and higher studies for PhDs.

There needs to be clear guidance to the PSP staff how to guard against the increasing misuse of AI. It is not clear whether there is institutional guidance to cover AI misuse. The following indicators do not necessarily indicate misuse of AI but if several are present then there should be further investigations.

- The text is lacking a narrative.
- The text contains repetitive parts.
- The text is unrelated to the topic, or too general, or factually wrong, or incoherent.
- The text does not match the expected knowledge of the student.
- The text is not related to the course material.
- The style appears to be "teaching the reader", rather than answering a question.
- There are sudden changes of writing style, font, or background.
- References in the bibliography do not actually exist (but may look plausible).
- No references from the last 12 months or so.
- The bibliography is in the wrong style or shows changes of style.
- There are no drafts.
- The document has been translated from another language.
- Metadata (such as editing time) look odd or inconsistent.

Student mobility is excellent and our discussions with current and past students revealed that student mobility is beneficial for their future careers.

III. Conclusions

The PSP is in line with the standards of the HAHE, as it is of high quality. Overall, current students, recent graduates, and stakeholders had a positive experience with the PSP. The EEAP finds that the programme is fully compliant with Principle 4.

Panel Judgement

Principle 4: Student admission, progression, recognition of postgraduate studies and certification	
Fully compliant	X
Substantially compliant	
Partially compliant	
Non-compliant	

Panel Recommendations

- Intensify PSP promotion through social media and other means of advertising.
- Increase enrolment in the next 3 years towards the optimal number of 20 students per year.
- Issue clear guidance to eliminate the misuse of AI (see above in the Analysis section).

PRINCIPLE 5: TEACHING STAFF OF POSTGRADUATE STUDY PROGRAMMES

INSTITUTIONS SHOULD ASSURE THEMSELVES OF THE LEVEL OF KNOWLEDGE AND SKILLS OF THEIR TEACHING STAFF, AND APPLY FAIR AND TRANSPARENT PROCESSES FOR THEIR RECRUITMENT, TRAINING AND FURTHER DEVELOPMENT.

The Institution should attend to the adequacy of the teaching staff of the academic unit teaching at the PSP, the appropriate staff-student ratio, the appropriate staff categories, the appropriate subject areas, the fair and objective recruitment process, the high research performance, the training- development, the staff development policy (including participation in mobility schemes, conferences, and educational leaves-as mandated by law).

More specifically, the academic unit should set up and follow clear, transparent and fair processes for the recruitment of properly qualified staff for the PSP and offer them conditions of employment that recognise the importance of teaching and research; offer opportunities and promote the professional development of the teaching staff; encourage scholarly activity to strengthen the link between education and research; encourage innovation in teaching methods and the use of new technologies; promote the increase of the volume and quality of the research output within the academic unit; follow quality assurance processes for all staff (with respect to attendance requirements, performance, self-assessment, training, etc.); develop policies to attract highly qualified academic staff.

Documentation

- *Procedures and criteria for teaching staff recruitment*
- *Employment regulations or contracts, and obligations of the teaching staff*
- *Policy for staff support and development*
- *Individual performance of the teaching staff in scientific-research and teaching work, based on internationally recognised systems of scientific evaluation (e.g. Google Scholar, Scopus, etc.)*
- *List of teaching staff including subject areas, employment relationship, Institution of origin, Department of origin*

Study Programme Compliance

I. Findings

The teaching staff of 11 are recruited from the institution's Department of Chemistry and from other institutions as needed. In the past the PSP has invited people from abroad and from industry. The current staff is composed of researchers with high academic indicators (h-index and citations), who are very active in supervising students at all levels (undergraduate, graduate, doctoral). There is a maximum of 2 students working for their postgraduate Thesis per teaching staff, who do not receive an additional compensation for teaching in the PSP, a fact that is highly commendable. The applicable provisions of the laws are applied for both the selection and the professional development of the faculty members mainly via the Department of Chemistry. In addition to their teaching duties in the PSP, the teaching staff also participate in the other activities of the Department of Chemistry. There seems to be excellent communication between the students and the teaching staff; students meet with all teaching staff and within 2 months they select their academic advisor. Current students and alumni commented on the high scientific stature of the teaching staff that has resulted in

the PSP receiving international reputation. The teaching staff has access to some funds (~30% of the tuition fees) for consumables (reagents, etc.).

II. Analysis

The above findings were supported by the online meetings with the teaching staff, the current students, and alumni of the program. The communication between the teaching staff and the students is excellent, resulting in a good placement of the graduates in the job market; however, the interaction between students and industry can be further improved. The quality of the teaching staff of the PSP has succeeded in attracting and training students that are sought after from industry after their graduation.

III. Conclusions

The PSP has high quality teaching staff pooled from the Department of Chemistry and other institutions having high academic indicators. All interviewed stakeholders (teaching staff, students, alumni, industry partners) provided overwhelming support for the PSP and commended positively on the dedication of the teaching staff in providing an excellent environment for them.

Panel Judgement

Principle 5: Teaching staff of postgraduate study programmes	
Fully compliant	X
Substantially compliant	
Partially compliant	
Non-compliant	

Panel Recommendations

- Consider the participation of industry (in collaboration with the student academic advisor) in the students' thesis.
- Explore the possibility of receiving funding from industry for the research carried out in the postgraduate Thesis.

PRINCIPLE 6: LEARNING RESOURCES AND STUDENT SUPPORT

INSTITUTIONS SHOULD HAVE ADEQUATE FUNDING TO COVER THE TEACHING AND LEARNING NEEDS OF THE POSTGRADUATE STUDY PROGRAMME. THEY SHOULD –ON THE ONE HAND- PROVIDE SATISFACTORY INFRASTRUCTURE AND SERVICES FOR LEARNING AND STUDENT SUPPORT, AND – ON THE OTHER HAND- FACILITATE DIRECT ACCESS TO THEM BY ESTABLISHING INTERNAL RULES TO THIS END (E.G. LECTURE ROOMS, LABORATORIES, LIBRARIES, NETWORKS, NETWORKS, CAREER AND SOCIAL POLICY SERVICES ETC.).

Institutions and their academic units must have sufficient resources and means, on a planned and long-term basis, to support learning and academic activity in general, so as to offer PSP students the best possible level of studies. The above means include facilities such as the necessary general and more specialised libraries and possibilities for access to electronic databases, study rooms, educational and scientific equipment, IT and communication services, support and counselling services.

When allocating the available resources, the needs of all students must be taken into consideration (e.g. whether they are full-time or part-time students, employed students, students with disabilities), in addition to the shift towards student-centred learning and the adoption of flexible modes of learning and teaching. Support activities and facilities may be organised in various ways, depending on the institutional context. However, the internal quality assurance proves -on the one hand- the quantity and quality of the available facilities and services, and -on the other hand- that students are aware of all available services.

In delivering support services, the role of support and administration staff is crucial and therefore this segment of staff needs to be qualified and have opportunities to develop its competences.

Documentation

- *Detailed description of the infrastructure and services made available by the Institution to the academic unit for the PSP, to support learning and academic activity (human resources, infrastructure, services, etc.) and the corresponding firm commitment of the Institution to financially cover these infrastructure-services from state or other resources*
- *Administrative support staff of the PSP (job descriptions, qualifications and responsibilities)*
- *Informative / promotional material given to students with reference to the available services*
- *Tuition utilisation plan (if applicable)*

Study Programme Compliance

I. Findings

The PSP provides dedicated infrastructure for the delivery of teaching and training of its students. The infrastructure includes classrooms and laboratories. Also, there is specific administrative staff responsible for student's needs and requests.

II. Analysis

The classrooms and laboratories comply with basic requirements, such as Wi-Fi and audio-visual facilities for classrooms and infrastructure for laboratories. As an integral component of a major university in Greece, the PSP offers a comprehensive range of resources and services to support learning, research, and academic endeavours. These resources, encompassing human expertise, infrastructure, and support services, are deemed sufficient and conducive to creating an excellent educational environment. Despite facing financial constraints, the PSP effectively

manages the allocation of funds to meet the diverse needs of both students and faculty, thereby guaranteeing the success and ongoing expansion of the PSP. Students and graduates expressed their satisfaction regarding the service received from administrative staff.

III. Conclusions

The PSP fully complies with the requirements of Principle 6.

Panel Judgement

Principle 6: Learning resources and student support	
Fully compliant	X
Substantially compliant	
Partially compliant	
Non-compliant	

Panel Recommendations

The PSP should enhance engagement between students and industry by encouraging participation of its alumni and other experts in various relevant activities.

PRINCIPLE 7: INFORMATION MANAGEMENT

INSTITUTIONS BEAR FULL RESPONSIBILITY FOR COLLECTING, ANALYSING AND USING INFORMATION, AIMED AT THE EFFICIENT MANAGEMENT OF POSTGRADUATE STUDY PROGRAMMES AND RELATED ACTIVITIES, IN AN INTEGRATED, EFFECTIVE AND EASILY ACCESSIBLE WAY.

Institutions are expected to establish and operate an information system for the management and monitoring of data concerning students, teaching staff, course structure and organisation, teaching and provision of services to students.

Reliable data is essential for accurate information and decision-making, as well as for identifying areas of smooth operation and areas for improvement. Effective procedures for collecting and analysing information on postgraduate study programmes and other activities feed data into the internal system of quality assurance.

The information collected depends, to some extent, on the type and mission of the Institution. The following are of interest:

- *key performance indicators*
- *student population profile*
- *student progression, success, and drop-out rates*
- *student satisfaction with their programmes*
- *availability of learning resources and student support*

A number of methods may be used to collect information. It is important that students and staff are involved in providing and analysing information and planning follow-up activities.

Documentation

- *Report from the National Information System for Quality Assurance in Higher Education (NISQA) at the level of the Institution, the department, and the PSP*
- *Operation of an information management system for the collection of administrative data for the implementation of the PSP (Students' Record)*
- *Other tools and procedures designed to collect data on the academic and administrative functions of the academic unit and the PSP*

Study Programme Compliance

I. Findings

The Department of Chemistry maintains a centralized information system to manage the quality assurance process. Evaluation of the PSP courses is carried out at the end of each semester for all courses and faculty. There is a process for analysing and acting upon the evaluation results. Student progression, success, and dropout rates are monitored. Availability of learning resources and student support procedures are good and easily accessible to students.

The MODIP is responsible for the operation of the quality assurance associated systems. Information and data on faculty performance analysis, administrative support, and funding is also under regular monitoring.

II. Analysis

A sufficient range of information is provided for the needs of the National

Information System for Quality Assurance in Higher Education (NISQA) based on the data available. The PSP maintains sufficient processes for analyses and evaluation of data related to the availability and accessibility of resources (equipment, social services, IT facilities, etc.), as these are defined at institutional level. However, the small number of enrolled students every year could affect the quality of the statistical data. Corrective actions following the student evaluations are not fully documented and made publicly available on the PSP website.

III. Conclusions

The EEAP finds that, overall, the programme fully complies with Principle 7. The department collects and analyses all data related to quality assurance and performs analysis of the collected course evaluation data at instructors' level. However, the small number of students every year could affect the quality of the statistical data.

Panel Judgement

Principle 7: Information management	
Fully compliant	X
Substantially compliant	
Partially compliant	
Non-compliant	

Panel Recommendations

- Actions emanating from student evaluations, as well as all past and future PSP evaluations should be clearly documented and made publicly available through the PSP website.
- An alumni portal may be developed to promote networking and post-graduation interactions among graduates and further collaborations with the PSP.

PRINCIPLE 8: PUBLIC INFORMATION CONCERNING THE POSTGRADUATE STUDY PROGRAMMES

INSTITUTIONS SHOULD PUBLISH INFORMATION ABOUT THEIR TEACHING AND ACADEMIC ACTIVITIES RELATED TO THE POSTGRADUATE STUDY PROGRAMMES IN A DIRECT AND READILY ACCESSIBLE WAY. THE RELEVANT INFORMATION SHOULD BE UP-TO-DATE, OBJECTIVE AND CLEAR.

Information on the Institutions' activities is useful for prospective and current students, graduates, other stakeholders, and the public.

Therefore, Institutions and their academic units must provide information about their activities, including the PSP they offer, the intended learning outcomes, the degrees awarded, the teaching, learning and assessment procedures applied, the pass rates, and the learning opportunities available to their students. Information is also provided on the employment perspectives of PSP graduates.

Documentation

- *Dedicated segment on the website of the department for the promotion of the PSP*
- *Bilingual version of the PSP website with complete, clear and objective information*
- *Provision for website maintenance and updating*

Study Programme Compliance

I. Findings

The Department of Chemistry and the PSP website are available in Greek and English. Both PSP websites are user-friendly. However, there are noticeable differences. Both websites provide a short description of the program and its purpose. The Greek version contains links to the laws regarding the PSP (i.e., ΦΕΚ Β' 2844/7-9-2016; ΦΕΚ Β' 2378/21-6-2018; ΦΕΚ Β' 3761/3-9-2018; ΦΕΚ Β' 3025/9-7-2021; ΦΕΚ Β' 3018/8-5-2023), a copy of the PSP quality assurance policy, information on the teaching and administrative staff, a list of PSP offered courses per semester and their timetables, the Study Guide, several regulations regarding the PSP, information on research related to the PSP with instructors names per area, a link to the internal evaluation of the PSP via MODIP, information on scholarships, as well as other information on summer schools and activities, external links related to chemistry, and PSP contact information.

Some of the faculty CVs are not up to date.

The English version of the program contains less information than its Greek counterpart. Specifically, the PSP internal evaluation is missing from the English website. Moreover, the regulations of studies on the English website are in Greek.

II. Analysis

The PSP posts extensive information on its website, which is mostly available in Greek. The PSP English website has less information than the Greek counterpart, but it is at an acceptable level.

The posting of materials in Greek on the English website is confusing for English-spoken students and for the public in general.

Some of the faculty CVs are not up to date, which could potentially cause problems to students selecting their research advisor for completing their thesis. Moreover, there is no information on the weights of individual examinations used towards the student final course grade for all listed courses.

III. Conclusions

The PSP has two websites that can provide sufficient information to both Greek and English spoken students. Thus, the PSP fully satisfies principle 8.

Panel Judgement

Principle 8: Public information concerning the postgraduate study programmes	
Fully compliant	X
Substantially compliant	
Partially compliant	
Non-compliant	

Panel Recommendations

- The PSP should increase efforts to provide the exact same information in both its Greek and English version of its website.
- The Study Guide must be updated including details on the weights of individual examinations used towards the student final course grade for all listed courses.

PRINCIPLE 9: ON-GOING MONITORING AND PERIODIC INTERNAL EVALUATION OF POSTGRADUATE STUDY PROGRAMMES

INSTITUTIONS AND ACADEMIC UNITS SHOULD HAVE IN PLACE AN INTERNAL QUALITY ASSURANCE SYSTEM FOR THE AUDIT AND ANNUAL INTERNAL REVIEW OF THEIR POSTGRADUATE STUDY PROGRAMMES, SO AS TO ACHIEVE THE OBJECTIVES SET FOR THEM, THROUGH MONITORING AND POSSIBLE AMENDMENTS, WITH A VIEW TO CONTINUOUS IMPROVEMENT. ANY ACTIONS TAKEN IN THE ABOVE CONTEXT SHOULD BE COMMUNICATED TO ALL PARTIES CONCERNED.

The regular monitoring, review, and revision of postgraduate study programmes aim at maintaining the level of educational provision and creating a supportive and effective learning environment for students.

The above comprise the evaluation of:

- a) the content of the programme in the light of the latest research in the given discipline, thus ensuring that the PSP is up to date*
 - b) the changing needs of society*
 - c) the students' workload, progression and completion of the postgraduate studies*
 - d) the effectiveness of the procedures for the assessment of students*
 - e) the students' expectations, needs and satisfaction in relation to the programme*
 - f) the learning environment, support services, and their fitness for purpose for the PSP in question*
- Postgraduate study programmes are reviewed and revised regularly involving students and other stakeholders. The information collected is analysed and the programme is adapted to ensure that it is up-to-date.*

Documentation

- *Procedure for the re-evaluation, redefinition and updating of the PSP curriculum*
- *Procedure for mitigating weaknesses and upgrading the structure of the PSP and the learning process*
- *Feedback processes concerning the strategy and quality goal setting of the PSP and relevant decision-making processes (students, external stakeholders)*
- *Results of the annual internal evaluation of the PSP by the Quality Assurance Unit (QAU), and the relevant minutes*

Study Programme Compliance

I. Findings

The PSP self-assessment procedure takes place annually, with the support of the MODIP. The quality assurance targets are set annually for all postgraduate programs of the Department of Chemistry. The findings of the PSP self-assessment are shared within the academic unit. The PSP is assessed using student evaluations. The panel found no information on surveys from graduates and external stakeholders.

The PSP is in line with the current research in the field. This is verified by the program course descriptions and the faculty publications. Copies of student dissertations are not publicly available.

II. Analysis

The PSP collects data, which is used for its improvements. The student evaluation surveys are extensive and serve as an indirect assessment method for the PSP. The

lack of satisfaction surveys from the PSP graduates and external stakeholders hampers the program assessment. Students, graduates, and other stakeholders do not appear to have been directly involved in the decision-making processes towards curriculum improvement.

The number of students participating in the course evaluations is 100%. The student survey results showed that the PSP students are very satisfied with the PSP courses objectives and the material covered.

III. Conclusions

The PSP is assessed predominantly through student evaluations. However, it does not fully satisfy Principle 9 due to the lack of a feedback mechanism from the graduates and external stakeholders and the absence of the engagement of students, graduates, and external stakeholders in its improvements.

Panel Judgement

Principle 9: On-going monitoring and periodic internal evaluation of postgraduate study programmes	
Fully compliant	
Substantially compliant	X
Partially compliant	
Non-compliant	

Panel Recommendations

- The PSP must develop satisfaction surveys for its graduates and external stakeholders involved with the program.
- The PSP should consider developing an External Advisory Board, with faculty, students, graduates, and external stakeholders to actively assist in the program improvements.

PRINCIPLE 10: REGULAR EXTERNAL EVALUATION OF POSTGRADUATE STUDY PROGRAMMES

THE POSTGRADUATE STUDY PROGRAMMES SHOULD REGULARLY UNDERGO EVALUATION BY PANELS OF EXTERNAL EXPERTS SET BY HAHE, AIMING AT ACCREDITATION. THE TERM OF VALIDITY OF THE ACCREDITATION IS DETERMINED BY HAHE.

HAHE is responsible for administrating the PSP accreditation process which is realised as an external evaluation procedure, and implemented by panels of independent experts. HAHE grants accreditation of programmes, based on the Reports delivered by the panels of external experts, with a specific term of validity, following to which, revision is required. The quality accreditation of the PSP acts as a means for the determination of the degree of compliance of the programme to the Standards, and as a catalyst for improvement, while opening new perspectives towards the international standing of the awarded degrees. Both academic units and Institutions must consistently consider the conclusions and the recommendations submitted by the panels of experts for the continuous improvement of the programme.

Documentation

- *Progress report of the PSP in question, on the results from the utilisation of possible recommendations included in the External Evaluation Report of the Institution, and in the IQAS Accreditation Report, with relation to the postgraduate study programmes*

Study Programme Compliance

I. Findings

The PSP has not been previously subjected to an external evaluation for accreditation purposes. However, the PSP provides a progress report to parts of the NKUA accreditation, which took place on November 7, 2015, and are pertaining to the PSP.

II. Analysis

The current evaluation is the PSP's first external accreditation review. Some recommendations from the 2015 review are also applicable to the department's postgraduate programmes. Since then, several changes were implemented to the PSP towards its improvement following the institution's review. The EEAP found that the PSP faculty and supporting staff were very helpful in answering the panel's questions during the current review. Moreover, they showed that they understand the importance of the accreditation process and the panel's recommendations. The PSP follows a commonly used procedure for utilization of the outcomes of the external evaluation. These outcomes are shared with the PSP organizing committee, the OMEA, the Head of the Department of Chemistry, and the MODIP.

III. Conclusions

The PSP has not been evaluated in the past by an external committee for accreditation purposes. However, several recommendations from the 2015 institution external review have been implemented by the PSP. The PSP is in full compliance with Principle 10.

Panel Judgement

Principle 10: Regular external evaluation of postgraduate study programmes	
Fully compliant	X
Substantially compliant	
Partially compliant	
Non-compliant	

Panel Recommendations

None.

PART C: CONCLUSIONS

I. Features of Good Practice

- The PSP is of high quality and scientifically sound, offering job placement opportunities for its graduates.
- The students' overall experience is very positive. The enthusiasm of current students, recent graduates, employers, and other stakeholders was evident.
- The faculty and staff are of international reputation, enthusiastic, and dedicated to their mission.
- Employers and social partners praised the PSP and believe there is a clear need for such graduates.
- The PSP admission criteria are very well-defined, diverse, and transparent.

II. Areas of Weakness

- Several of the KPI targets are low.
- The percentage of PSP students graduating in three semesters is low.
- There is no well-defined process for students, graduates, and external stakeholders to participate in the PSP improvement.
- The English and Greek websites do not contain the exact same information.
- There is no External Advisory Board.

III. Recommendations for Follow-up Actions

- Implement major PSP improvements as a result of course/instructor evaluations, document and communicate to all involved, and publish all relevant information on the website.
- Assess and increase the set annual values for several KPI targets.
- Explore new methods of student engagement, such as tutorials, new pedagogical methods of learning, mid-term examinations, quizzes, etc.
- Establish a formal process for the active participation of students in the curriculum development of the programme.
- Increase enrolment in the next 3 years towards the optimal number of 20 students per year.
- Issue clear guidance to eliminate the misuse of AI.
- Enhance engagement between students and industry by encouraging participation of its alumni and other experts in various relevant activities.

- Develop satisfaction surveys for its graduates and external stakeholders involved with the program.
- Establish a formal External Advisory Board to guide continuous review, revision, and further development of the curriculum.

IV. Summary & Overall Assessment

The Principles where full compliance has been achieved are:

1, 3, 4, 5, 6, 7, 8, and 10.

The Principles where substantial compliance has been achieved are:

2 and 9.

The Principles where partial compliance has been achieved are:

None.

The Principles where failure of compliance was identified are:

None.

Overall Judgement	
Fully compliant	X
Substantially compliant	
Partially compliant	
Non-compliant	

The members of the External Evaluation & Accreditation Panel

Name and Surname

Signature

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