

Doc. 300.1.2

Date: April 6, 2020

Higher Education Institution's response

- **Higher education institution:**

European University Cyprus

- **Town:** Nicosia

- **Programme of study (Name, ECTS, duration, cycle)**

In Greek: “Τεχνητή Νοημοσύνη”, 90 ECTS, 18 μήνες, (Μεταπτυχιακό)

In English: “Artificial Intelligence”, 90 ECTS, 1.5 years, (Master of Science)

- **Language of instruction:** English

- **Programme's status**

- **New program:**

- **Currently operating:**

The present document has been prepared within the framework of the authority and competencies of the Cyprus Agency of Quality Assurance and Accreditation in Higher Education, according to the provisions of the “Quality Assurance and Accreditation of Higher Education and the Establishment and Operation of an Agency on Related Matters Laws of 2015 and 2016” [N. 136 (I)/2015 and N. 47(I)/2016].

A. Guidelines on content and structure of the report

- *The Higher Education Institution based on the External Evaluation Committee’s evaluation report (Doc.300.1.1) must justify whether actions have been taken in improving the quality of the programme of study in each assessment area.*

The Department of Computer Science and Engineering of European University Cyprus wishes to express its sincere gratitude to the External Evaluation Committee (EEC) for the evaluation of the postgraduate programme of study Artificial Intelligence (M.Sc.).

It is with great pleasure that the Department and the School of Sciences noted the positive feedback of the EEC and we appreciate its insightful recommendations, which provided us the opportunity to further improve the quality and implementation of the programme. In the following pages, we respond in detail to all recommendations for improvement suggested by the EEC and we provide all relevant information to explain the actions taken to ensure that the newly accredited programme is of high quality.

1. Study programme and study programme's design and development

The EEC has raised the following issues. The response for issue is shown below each point that is raised.

Comments by the EEC:

Findings:

1. According to the European qualifications framework, for an MSc programme skills concern "Specialised problem-solving skills required in research and/or innovation in order to develop new knowledge and procedures and to integrate knowledge from different fields". Without compulsory MSc thesis, students' ability to apply their skills in research and/or innovation activities and integrate knowledge from different fields is not ensured.
2. According to the European qualifications framework, MSc programme graduates should be able to "Manage and transform work or study contexts that are complex, unpredictable and require new strategic approaches; take responsibility for contributing to professional knowledge and practice and/or for reviewing the strategic performance of teams". Without a compulsory MSc thesis, the fulfillment of this criterion is only partially satisfied.
3. Without a compulsory MSc thesis, the research orientation of the programme is very limited.

Response by EUC:

We thank the EEC for these important recommendations, which we have attempted to take into account effectively, as indicated below:

1. ***The University has introduced the M.Sc. Thesis as a compulsory course, which will be carried out after the students complete the required coursework, which now includes eight (8) courses (4 core in 1st Semester and 4 elective courses in 2nd Semester as per the Committee's suggestion – please refer to the next paragraph for more details). With this resolution, we trust that we fully comply with the European qualifications framework pointed out by the EEC so that "students can develop specialized problem-solving skills required in research and/or innovation in order to develop new knowledge and procedures and to integrate knowledge from different fields". In addition, graduates will thus become able to "manage and transform work or study contexts that are complex, unpredictable and require new strategic approaches; take responsibility for contributing to professional knowledge and practice and/or for reviewing the strategic performance of teams" as per the European qualifications framework suggestions.***
2. ***In order to strengthen the programme's quality, we introduced the compulsory M.Sc. Thesis course "AI695, Master Thesis", as per the Committee's suggestion, so that the criteria set by the European qualifications framework are fully satisfied. Additionally, we have revised and enhanced the objectives and learning outcomes of its syllabus, as recommended by the EEC. Through the M.Sc. Thesis, students will actively***

participate in research and development of scientific work. Through this process, they are expected, among others, to demonstrate their ability to identify and formulate issues critically, independently and creatively, to undertake advanced tasks within predetermined timeframes, and to contribute to the formation of knowledge, as well as the ability to evaluate their work. Thus, students are now expected to design and perform original research work. We believe that these additions will further facilitate students' learning and promote their critical appraisal skills, collaboration, and creativity that are necessary for research and students' postgraduate education.

- 3. Appendix A contains the new, revised structure of the programme's of study based on the EEC recommendations regarding the curriculum of the programme, where it is clearly shown that the "AI695, Master Thesis" course is now compulsory of worth 30 ECTS. The course includes all research method stages and it aims to prepare the student for independent work as a recipient of a Master's degree.*

Comments by the EEC:

Findings:

1. The number of courses students have to attend can be very small. Although there are many elective courses, students may take only two of them, including one course from another MSc programme.
2. EEC believes that the ECTS assigned to the courses (10 for each course) are not justified by the expected workload; 7.5 ECTS per course, according to the course descriptions, is more realistic.
3. Although there are a lot of elective courses concerning recent in depth developments in core AI, students can take the MSc title without taking any of these courses, e.g., by selecting two elective courses between "research methods", "ethics and philosophy of AI" and an elective course from another master programme. Furthermore, their exposure in compulsory element on research methods and ethics of AI issues does not meet EQF standards.

Response by EUC:

We thank the EEC for these important recommendations. We agree with the EEC that the number of courses that students have to attend can be very small and/or students can obtain the M.Sc. title without taking enough elective courses that concern recent developments and cutting-edge research in core Artificial Intelligence. We also agree that their exposure on research methods and the ethics of Artificial Intelligence is limited if the students do not choose to take the respective courses. We have therefore mitigated these issues that arise by adopting the EEC's recommendations with the following:

- 1. We introduced a different structure to the curriculum of programme, so that it encompasses the Committee's suggestions and therefore allows students to take more courses towards their M.Sc. in Artificial Intelligence. The newly revised curriculum includes four (4) compulsory courses during the first semester, worth 7.5 ECTS each. The compulsory courses are the*

same as those included in the initial structure of the programme, but the number of ECTS per course has been reduced to both allow for more courses to be taken by students per semester, as well as to reflect the workload as per the Committee's suggestions and the respective syllabi.

During the second semester, the students are required to choose four (4) elective courses from the list of available elective courses, again worth 7.5 ECTS each. The same change has been made here for the elective courses as for the core courses. As such, the students will take four (4) elective courses during their studies, instead of two (2) that we proposed in the initial curriculum of the programme. The list of elective courses can be found in Appendix A which presents the revised curriculum of the programme.

During the third semester, the students will take the compulsory M.Sc. Thesis (30 ECTS) course "AI695, Master Thesis", as recommended by the EEC.

All the aforementioned changes are demonstrated in Appendix A, which presents the revised curriculum of the programme. We believe that with these changes the number of courses that students need to take is satisfactory and in this way it is ensured that students will be exposed to core Artificial Intelligence as well as to cutting-edge themes in the field of Artificial Intelligence, thus allowing them to obtain a M.Sc. in Artificial Intelligence with dense Artificial Intelligence content.

- 2. As noted above, and in light of the EEC's suggestion, the syllabus for the compulsory course "AI695, Master Thesis" has been updated by introducing a compulsory element of "Research Methods" as an integral part of the course. Students will thus be exposed to a significant material of elements of research methods, in order to be prepared to undertake original research as part of their M.Sc. Thesis. Please see the updated syllabus of the course "AI695, Master Thesis", which now meets the EQF standards, in Appendix B.**
- 3. In light of the EEC's suggestion, and to ensure that we meet EQF standards, the syllabus for the compulsory course "AI600 Foundations of Artificial Intelligence" has been updated by adding substantial elements in the philosophical foundations of Artificial Intelligence, Ethics and Artificial Intelligence, and Regulatory Frameworks of Artificial Intelligence. This content now translates to three (3) weeks material, which covers ethical issues in Artificial Intelligence research and development, as per the Committee's suggestions. The new syllabus of AI600 can be found in Appendix C.**

Comments by the EEC:

Findings:

There is no evidence that there will be enough support for the students in terms of access to high performance computing power, which is expected to be necessary for running computationally expensive AI experiments. Running experiments on Google colab environment, as suggested during the visit, is not considered adequate according to the experience of the EEC members.

Response by EUC:

We understand and agree with the Committee's concern on the matter of access to high performance computing power by students for the needs of courses that demand running computationally expensive experiments. We therefore would like to inform the EEC that for the purposes of the Artificial Intelligence M.Sc. program of study the University - in addition to online environments – will use the Euclid System of the Cy-Tera High Performance Computing infrastructure which is used by all academic institutions in Cyprus (<http://web.cytera.cyi.ac.cy/how-to-apply/educational-access/>) and is being offered by the Cyprus Institute. Euclid is specifically offered to academic institutions for training and education purposes, including the purposes of using the infrastructure for university course projects. We believe that the proposed HPC infrastructure can fully support the needs of the M.Sc. in Artificial Intelligence.

EEC recommendations:

4. Make the MSc thesis compulsory and have 5 out of 30 ECTS of it corresponding to an introductory part of it concerning "Research Methods".
5. Assign 7.5 ECTS to each course
6. Put all the compulsory courses in the first semester
7. Have the students attend four (4) elective courses in the second semester
8. Expand the "Ethics of AI" part of the AI600 course from one to three weeks and focus on training the skills required to handle ethical issues in AI R&D.

Response by EUC:

We would like to thank the EEC for the valuable comments and recommendations. We are confident that the Committee's comments have been addressed and the recommendations have been incorporated in the changes that we have made to the proposed programme. As explained in more detail in this section (Section 1) of the report:

1. ***The "AI695, Master Thesis" course has now been made compulsory (please see the revised curriculum of the programme in Appendix A) and a substantial element of "Research Methods" has been added to the respective syllabus (please see the revised syllabus in Appendix B)***

- 2. Each course has now been assigned 7.5 ECTS in order to reflect the course content and workload as per the Committee's recommendation (please see the revised curriculum of the programme in Appendix A)**
- 3. All four (4) compulsory courses have been placed to the first semester (please see the revised curriculum of the programme in Appendix A)**
- 4. Students will now be required to attend four (4) elective courses during the second semester. The changes have been incorporated in the new revised programme structure (please see the revised curriculum of the programme in Appendix A)**
- 5. The course "AI600 Foundations of Artificial Intelligence" has been expanded to cover three weeks of ethical issues in Artificial Intelligence in research and development as per the Committee's suggestions (please see the revised syllabus in Appendix C)**

2. Teaching, learning and student assessment

EEC recommendations:

Areas for improvement:

1. More detailed criteria for course assessment could be provided.
2. Students may not be actively involved in research, but only through project assignments in elective courses, in case they do not take an MSc thesis.

Response by EUC:

As far as these two important points raised by the EEC, we have attempted to take into account effectively, as indicated below:

1. ***For each course of the Artificial Intelligence (M.Sc.)-Distance Learning programme, the balance between exams and assignments is 50% - 50%, as this is described on the Study Guides of the programme's courses submitted with the application for the accreditation of the programs to the EEC. More specifically, the 50% for assignments is divided into individual assignments, group work assignments (following the EEC suggestion) and other small assigned activities (named Self-Assessment Exercises/Activities).***

Self-Assessment Exercises/Activities sum up 10% (out of 50% of the total % of assignments) for each course and Self-Assessment Exercises/Activities adhere to the regulations of the Cyprus Agency of Quality Assurance and Accreditation in Higher Education (CY.Q.A.A.) for assignments to aim to provide self-evaluation/assessment opportunities and structure to the students. Through Self-Assessment Exercises/Activities students are provided the opportunity to self-regulate their learning.

Individual and Group Assignments carry 40% of the student's final mark. These assignments have much higher complexity (including technical, practical and cognitive challenges) and require much more effort and time from students to be completed.

2. ***As indicated in the previous section, in alignment with the Committee's recommendation, the M.Sc. Thesis is now compulsory and with a substantial content of Research Methods. In this way, students will be actively involved in research, since the M.Sc. Thesis will be research-oriented, allowing students to be exposed to cutting-edge research in the discipline and sub-disciplines of Artificial Intelligence. Students are expected to be actively involved in research activities in the context of their master's thesis as mentioned in Section 1 as well. Moreover, through the CERIDES Centre of Excellence in Risk & Decision Sciences of our University (please see for more information www.cerides.euc.ac.cy), certain calls are announced per semester so that students of the M.Sc. in Artificial Intelligence wishing to be further involved in research activities to do so.***

3. Teaching Staff

Comments by the EEC:

Findings:

1. The program is run by 5 full-time permanent teaching staff and 8 external collaborators. There are 7 courses taught only by external scientific collaborators (including three compulsory courses).
2. There are no details yet about the possibility of the program to attract visiting professors of recognized academic standing. External collaborators (which have recognized academic standing) are not considered visiting professors.
3. Although there is a HEI research policy to reduce teaching load from 12 to 9 hours per week for staff members conducting research, this is not considered adequate for sustainable research progress.

Response by EUC:

1. ***We are in full agreement with the EEC's observations, and confirm our own understanding as to the need for additional recruitment of staff. The university acknowledges the need for faculty members in the field of Artificial Intelligence in order to fully cover the needs for the programme. As such, the School of Sciences has advertised one full-time academic position to fill this gap and to address the recommendations of the EEC. More specifically, the School of Sciences, Department of Computer Science and Engineering has advertised the recruitment of a qualified academic in the rank of lecturer or assistant professor in the discipline of Artificial Intelligence with a deadline of submission on the 30th of April 2020. In addressing the point raised by the EEC that more full-time Faculty is needed for teaching the core courses of the programme, the vacancy was announced with the indication that the preferable specialisations for recruitment would be in the following areas: Knowledge representation and reasoning; Machine Learning; Deep Learning; Natural Language Processing; Artificial Intelligence and Robotics (please find more details in the link of the announcement of the vacancy on the EUC Website here <https://euc.ac.cy/en/school-of-sciences-department-of-computer-science-and-engineering/>, as well as in a national electronic career newsletter <https://kariera.com.cy/jobs/full-time-teaching-personnel-artificial-intelligence-eyropaiko-panepistimio-ky/>, and in EURAXESS <https://euraxess.ec.europa.eu/jobs/509704>. Please also see the advertisement of the vacancy in the largest national printed newspaper 'Phileleftheros' on its Sunday edition on 5.4.2020 in Appendix D).***
2. ***We completely agree with EEC's suggestion to attract renowned Visiting Professors to participate in our programme. The Department of Computer Science and Engineering is currently expecting the official approval and accreditation of the programme to send invitations for Visiting Professors and/or Adjunct Professors to experts in the field via their contacts, in order to complement the delivery of specific courses of the programme and to cover areas and sub-disciplines in Artificial Intelligence. We are fully aligned with***

this recommendation of the EEC, which will augment its quality, as per the overall EEC's suggestions.

- 3. With regards to the last recommendation, the University's Research Policy (please see Appendix E) aims to provide a framework that allows academics and researchers of the University to contribute towards its mission to “develop a pioneering and innovative research infrastructure with the objective of generating new knowledge”. As can be seen in the document, this is to be achieved in various ways and policy provisions including among others:**
- Procedures for the award of Teaching Hours Reductions to faculty on the basis of participation in projects, authoring of books or by accumulation of research points**
 - Rules governing Internal Research Awards**
 - A framework for the establishment of Research Centers and Laboratories**
 - Rules governing External Research Programs**
 - Provisions for the establishment of a research fund**
 - Procedures for acquiring equipment purchased through external or internal research funding**
 - Procedures for research appointments and affiliations.**

As far as the Teaching Hours Reduction provision in more specific, this allows the teaching hour reduction of a research active Faculty from twelve (12) hours per week to six (6) or nine (9) based on the research record application of each Faculty member.

In addition, aiming at sustainable research progress, in each new Faculty vacancy the University prioritises applications from candidates with a strong research record. In achieving this, as the Artificial Intelligence vacancy proclamation notes (please see quote in the link of the announcement of the vacancy on the EUC Website here <https://euc.ac.cy/en/school-of-sciences-department-of-computer-science-and-engineering/>): “Successful candidates can benefit from a significant reduction in their teaching load from the first year of their employment. The reduction in teaching load will depend on the quantity and the quality of Scopus publications they (co-)authored in the last five (5) years”. We believe that initiatives such as these, will augment our research efforts, given that that successful candidates can benefit from a significant reduction in their teaching load from the first year of their employment.

Cognisant of the current need to increase the Faculty in the field of Artificial Intelligence in order to more fully cover the needs for the programme, and in accordance with the suggestion of the EEC, with the new full-time academic position, as described above in this report, we firmly believe that this new faculty will significantly enhance our research efforts. It will also strengthen our commitment to support focused research in Artificial Intelligence sub-disciplines and enhance our relevant publication output. Finally, we also believe that the addition of the new faculty member will not only enhance the research and publications in Artificial Intelligence, but will additionally help further focus the research agenda of the Department in topics relevant to Artificial Intelligence, as well as augment the variety and relevance of Artificial Intelligence-related M.Sc. Thesis topics.

4. Students

Comments by the EEC:

Findings:

1. The mentoring procedure by the permanent teaching staff members is not clearly defined. There are only five (5) permanent teaching staff members, whereas the expected number of students is up to 30, as mentioned orally during the site visit. Taking into account that each permanent teaching staff member participates in other programmes as well, the number of students assigned to each permanent teaching staff member is considered high. Clearly describe the mentoring process by permanent teaching staff members. More permanent teaching staff members are needed, to better support mentoring.

Response by EUC:

We would like to thank the Committee for pointing out the student mentoring procedures. Student mentoring procedures at the European University Cyprus are provided in three different levels:

1. ***Student Advisors: Upon enrolment in a programme of study, each student is assigned an Advisor (called Student Advisor) by the Department of Enrollment, responsible for assisting the student in defining and developing realistic educational goals, in keeping with his/her abilities, skills, interests, and career aspirations. Advisors are also responsible for ensuring the student is aware of university regulations and policies. Student Advisors ensure that the student follows a schedule of classes, in terms of load and difficulty, according to the student's personal objectives and capabilities and the requirements of the programme's pathway. Generally, students' advisors are the first persons that a student will go to in order to get answers to questions relating to their studies except of those that are strictly related to the course content. In addition, Student Advisors approve the students' class schedule for registration at the beginning of each semester.***

Student Advisors are full-time employees of the Student Advising Center (Department of Enrollment), which assigns students to individual Advisors. A first face-to-face or online meeting is arranged to discuss the student's interests and career objectives, and to decide on course options.

Students are encouraged to contact their Advisor at any time during the academic year. However, it is mandatory to contact at least once a semester to discuss course options. Meetings and consultations may be arranged during office hours or by appointment. The Student Advising Center is located at the ground floor of the West Block building.

In more specific, Student Advisors are responsible to:

- ***Provide accurate information about academic policies, university regulations, program requirements, procedures, and other university information;***
- ***Assist students in monitoring and evaluating their academic progress and keep track of students' performance;***

- **Know about specific course sequences that are required in each programme of study; determine that the student has had adequate preparation (e.g., prerequisite courses) for courses that are recommended;**
 - **Assist students in deciding how to utilize their elective courses to best meet their goals;**
 - **Match students' needs with available resources and make appropriate referrals**
 - **Keep track of any changes in degree programs or requirements;**
 - **Help students prepare paperwork necessary to meet program requirements, such as adding/dropping courses, withdrawal from courses, course substitutions, waivers and application for graduation;**
 - **Discuss how course work is applicable to careers;**
 - **Keep careful records of each advising session and of the advice given to students;**
 - **Conduct personal interviews with students (giving emphasis to the newcomers) throughout the academic year to identify any educational, social, or physical problems affecting students' adjustments and if required to provide appropriate counselling and orientation;**
 - **Provide the necessary information to old students and existing ones on laws and/or changes concerning tertiary education;**
 - **Assist with the promotion of the University and participate in special events (such as Orientation);**
 - **Provide all relevant information on financial aid and Scholarships, benefits and respective processes and responsibilities.**
- 2. Academic Advisors: Within each School and Department, students are guided and supported on purely academic issues by the coordinator of each programme of study. Programme coordinators are responsible to guide them on all academic matters concerning their programme of study (including academic difficulties in their coursework, issues forwarded to them by the Student Advisor, low G.P.A., etc.). Students on probation receive personal guidance from the School Dean and Chairperson of Department.**
- 3. Course Instructors/Advisors: Content-specific assistance and tutoring is provided by the faculty teaching each course. Regular office hours (six hours per week) are available for students and are posted on Moodle/Blackboard platform. During these six hours all students attending a specific course may contact their instructor on a one-to-one or group face-to-face or online briefing.**

The above scheme has been successfully implemented some years now and the satisfaction rates of students as indicated in the responses to their Distance Learning course questionnaires "Student Feedback on their Learning Experience" taking place each end of semester are very high across the University (please see questionnaire in Appendix F). More specifically, for the previous semester Fall 2019, the overall satisfaction the last section of the questionnaire (please see last page, Section F), exceeds the average mean of 8 out of 10 in all questions.

We do, however, agree with the EEC that an increased number of permanent teaching staff members is needed to provide sufficient mentoring to the

number of students to be enrolled to the programme. We strongly believe that the increase of the Faculty in the field of Artificial Intelligence to be achieved (in accordance with the suggestion of the EEC), with the proclamation of the new full-time permanent academic position, as described above in this report, the needs of the programme will be more fully covered, including the mentoring procedure. Should the number of students increases, the University, as in all similar cases, hires more permanent Faculty to cover the teaching, as well as the mentoring needs of students.

Finally, the Department of Computer Science and Engineering has decided to apply the scheme of advisors/panel members for the M.Sc. Thesis in AI to be experts from another university or research center, or people from the industry with extensive experience in the field. Therefore, we are confident that the Department will be able to support the mentoring process of students in the best way possible.

5. Resources

Comments by the EEC:

In 5.9, as "equipment" we do not refer to access to processing power to run experiments, since this has been mentioned and evaluated in question 1.8.5.

Response by EUC:

As indicated by the EEC this issue has been addressed in Section 1 of the report (please see page 5).

Additional for distance learning programmes

Comments by the EEC:

Findings:

1. Learning outcomes, as described in part B2 of the proposal (pages 8 and 9) are not sufficiently ambitious in terms of promoting research skills, as well as specialized knowledge.
2. The structure of the distance-learning programme does not ensure the development of research skills for the students that do not take an MSc thesis.
3. Interaction between students is not ensured adequately. Group working and peer review are limited.
4. There is no clear procedure described for mentoring by teaching staff. Advising is provided by full-time employees of the Student Relationship center, instead of mentoring by the teaching staff.
5. Students can select two (2) elective courses as well as the topic of their MSc thesis or five (5) elective courses. Having a compulsory MSc thesis would enhance student-centered learning for all students.
6. Try to increase the interaction between students, by adding more group-projects and peer-reviewing.

Response by EUC:

We would like to thank the EEC for its recommendations. In order to address the abovementioned issues, the Department of Computer Science and Engineering has addressed these issues as follows:

1. ***Regarding points 1, 2 and 5 that the Committee has pointed out, as described in Sections 1 and 2 of the report above, the structure of the programme curriculum has been changed (please see Appendix A), in order to incorporate a compulsory M.Sc. Thesis and expect from students to undertake eight (8) courses (4 compulsory and 4 elective courses). We therefore believe that the students will have the chance to increase their research skills and student-centered learning will be enhanced for all students in the best way possible, as suggested by the Committee.***
2. ***Regarding points 3 and 6 above that the Committee has pointed out, the Department of Computer Science and Engineering is in full agreement for the need of not only interaction between students but also group projects and peer-reviewing in distance learning programmes of study. Hence, the Department is already applying this student-peering in the distance learning M.Sc. in Cybersecurity programme and is definitely pursuing this scheme in the Artificial Intelligence programme even more. The discussion that took place between the members of the EEC and the Faculty members teaching in the programme was extremely useful as to the insight regarding the value of the specific practices and therefore will be implemented in each course of the program. Similarly, each course***

will be using Blackboard Breakout groups in assigning group projects, thus further enhancing the interaction between students in each course preparation and teaching.

The interaction between instructors and students, the interaction of students with each other, as well as the interaction of students with the material are all of the highest importance and are considered a priority for Distance Learning Programs of the European University Cyprus, because, firstly, they engage the student and, secondly, they aid in finding his/her own path to knowledge. This is ensured, among others, mainly in the following ways:

- Students interact with their instructors through online meetings, where the student has the opportunity to ask questions and interact with the instructor, through Discussion Forums, through e-mails -via the platform- through the feedback of individual/group tasks (comments are sent by the instructor through the electronic submission and grading of tasks). Moreover, instructors are using rubrics to evaluate students' performance in each assignment and support learning, make the students' work efficient, consistent and objective. Rubrics provide students with a clear understanding of what is expected of them and contributes with valuable information about the degree of which a specific learning outcome has been achieved.**
- The student-student (peers) interaction is being achieved in various ways, such as through the online meetings of the course via the Blackboard Collaborate Ultra tool, through undertaking group work (at least one for each course), through the Discussion Forums - where students get to interact with each other and exchange views either via text posts, or via dedicated teleconference sessions offered per team- as well as through the Blackboard Breakout Groups where students are separated to delve into a topic and use shared tools such as Team Diary, Team Blog, File Exchange, etc.**
- The interaction of the students with the material is achieved through the Study Guides, which aims to guide the student weekly in the organization of their study (this maintaining student's self-regulation). Study Guides contain activities, self-assessment exercises, quizzes, case studies, etc. (as described in Section 2 of this report). The student-material interaction is also achieved through the posting of supportive interactive educational material such as videos, interviews, articles, e-books on the Blackboard educational platform, as well as through the continuous electronic access to databases and e-books catalogs of the Library of the European University Cyprus.**

By all these provisions we are confident that the Committee's recommendations are addressed and incorporated in this new distance learning programme of study.

- 3. Regarding point 4 above raised by the EEC, please see a detail response as to the three (3) type/level support/mentoring guidance scheme applied at European University Cyprus in pages 9-13. This scheme provides student support from three sources: the Student Advising Office, the Programme Coordinators, and the Course Instructors. Special reference**

is made here as to the mentoring procedure followed in the M.Sc. Thesis. In more specific, initially each student selects a topic in the subdiscipline of Artificial Intelligence from the M.Sc. Thesis topics catalogue which is provided to them by the course's instructor and is consolidated from the previous semester, so that when the semester begins the student starts right away to have enough time to complete it. Once the students receive the topics, they have a deadline to choose a topic. Topics are assigned, given that the students have passed all the pre-requisite courses for a specific topic. At this point, the Department of Computer Science and Engineering mandates that the academic supervisor and student agree upon the topic as well as the expected output from the M.Sc. Thesis, with specific milestones and deliverables. Once a topic is selected and agreed upon with the associated academic supervisor, the course follows the weekly breakdown structure as that is provided in the Master Thesis Guide. If the topic is jointly set with the industry, then when the student progresses and reaches the field study/development phase, a second (industrial) supervisor is appointed. However, the main supervisory role lies to the academic supervisor. The written thesis is defended orally during a public defence. An Evaluation Committee including the supervisor/s and one external examiner from another university with an expertise on the thesis topic assess the written thesis.

B. Conclusions and final remarks

Comments by the EEC:

The EEC identified some inefficiencies that, if confronted, could add significant value to the programme.

Particularly:

EEC strongly suggests adjustments in the programme structure, particularly making the MSc thesis compulsory and increasing from 6 to 8 the number of courses taken by the students. In this way, students will acquire a broader and deeper knowledge and skills on Artificial Intelligence, and develop responsibility and autonomy at the appropriate level for an MSc program, according to the European Qualifications Framework.

The number of the permanent teaching staff supporting the programme is limited compared to the number of the external scientific collaborators. Furthermore, most core AI courses are supported only by external scientific collaborators. EUC should plan to increase the number of qualified permanent teaching staff in the immediate future, in order to secure the sustainability of the programme, accumulate experience and minimize risk of negative impact on students.

EEC encourages more actions to increase the interaction between students, by introducing more group projects and peer-review practice across courses.

Response by EUC:

We would like to thank the EEC for the positive feedback and its constructive recommendations.

As described in the previous sections of the report, the Department of Computer Science and Engineering has made a focused effort to address each and every one of the EEC's recommendations. As such, we believe that these actions enhance the quality of the M.Sc. in Artificial Intelligence under accreditation. By making these changes, we believe that we are now able to offer a significantly improved program of study which is in line with the European Qualifications Framework and which builds on our strengths and our readiness to implement the programme in an attractive student-friendly environment.

By following the EEC's recommendation of offering a compulsory M.Sc. Thesis with elements of "Research Methods", as well as re-structuring the curriculum of the programme to offer 4 compulsory and 4 elective courses (please see the revised curriculum in Attachment A), we believe that the programme has been significantly improved.

Cognisant of the current lack of enough full-time academic personnel with expertise in the core courses of the programme, and in accordance with the suggestion of the EEC, the School of Sciences, Department of Computer Science and Engineering has advertised the recruitment of a qualified academic in the rank of lecturer or assistant professor in the discipline of Artificial Intelligence with the indication that the preferable specialisations for recruitment would be in the sub-disciplines of the core courses of the

programme with a deadline of submission on the 30th of April 2020 (please find more details in the link of the announcement of the vacancy on the EUC Website here <https://euc.ac.cy/en/school-of-sciences-department-of-computer-science-and-engineering/>).

Finally, the Department endorses student-student interaction as well as group projects and peer-reviewing in distance learning programmes of study. As in its distance learning M.Sc. in Cybersecurity programme, similarly and even more extensively the new Artificial Intelligence programme will apply the peer-reviewed system in order to enhance the cooperation and interaction of individual students between each other. The Department also takes this further and applies the peer-review systems for individual assignments in the proposed Master in Artificial Intelligence program as well. Additionally, to enhance the cooperation between students, as in other distance learning programs of study of the Department, in this programme also we will apply forums, group activities, Discussion Forums (where students get to interact with each other and exchange views), Blackboard Breakout Groups (where students are separated to delve into a topic and use shared tools such as Team Diary, Team Blog, File Exchange), etc.

In closing, we would like to say that the School of Sciences and in particular the Department of Computer Science and Engineering found the EEC's candid discussions, a constructive learning process. We all believe that this review was a positive experience and feel that we were provided with important input on how to move effectively forward. In addition, we have thoroughly reviewed the findings, strengths and areas of improvement clearly indicated by the EEC following their review and attempted to respond to each item specifically and succinctly, indicating our actions. By embracing the EEC's comments and suggestions, we are convinced that our programme will be able to more effectively ensure the learning outcomes of its students. In this regards, we are grateful to the EEC for their candid discussions regarding our program, and the insightful comments and suggestions throughout their report.

Higher Education Institution academic representatives

| Name | Position | Signature |
|---------------------------------------|---|---|
| Prof. Ioannis Tsamardinos | Program Co-Coordinator Department of Computer Science and Engineering |  |
| Dr. Christodoulos Efstathiades | Program Co-Coordinator Department of Computer Science and Engineering |  |
| Dr. Marina Appiou Nikiforou | Chairperson, Department of Computer Science and Engineering |  |
| Dr. Panagiotis Papageorgis | Dean, School of Sciences |  |

Date: 06/04/2020

**Appendix A: Revised Curriculum of the Programme of Study
Master of Science in “Artificial Intelligence”**

| DEGREE REQUIREMENTS | | ECTS |
|--|---|----------------|
| All students pursuing a Master of Science in the “Artificial Intelligence” programme must complete the following requirements: | | |
| Core courses | | 30 |
| Elective Courses | | 30 |
| Master Thesis | | 30 |
| Total Requirements | | 90 |
| CORE COURSES | | 30 ECTS |
| AI600 | Foundations of Artificial Intelligence | 7.5 |
| AI605 | Introduction to Machine Learning | 7.5 |
| AI610 | Knowledge Representation, Reasoning and the Semantic Web | 7.5 |
| AI615 | Big Data Analytics | 7.5 |
| ELECTIVE COURSES Students select 4 (four) of the following courses: | | 30 ECTS |
| AI620 | Advanced Topics in Machine Learning | 7.5 |
| AI625 | Artificial Neural Networks and Deep Learning | 7.5 |
| AI630 | Advanced Topics in Knowledge Representation and Reasoning | 7.5 |
| AI635 | Multi-Agent Systems and Game Theory | 7.5 |
| AI640 | AI in Video Games | 7.5 |
| AI645 | Robotics and Perception | 7.5 |

| | | |
|---|-----------------------------|----------------|
| AI650 | Natural Language Processing | 7.5 |
| AI655 | Philosophy and Ethics of AI | 7.5 |
| One (1) Elective Course from a relevant distance education M.Sc. program of the School of Sciences as this will be approved by the Program Coordinator. | | 7.5 or above |
| MASTER THESIS | | 30 ECTS |
| AI695 | Master Thesis | 30 |

Appendix B: Revised Syllabus of course “AI 695 Master Thesis”

| | | | | | |
|-------------------------------|---|---------------|------|-----------------------|------|
| Course Title | Master Thesis | | | | |
| Course Code | AI695 | | | | |
| Course Type | Compulsory | | | | |
| Level | Master (2 nd cycle) | | | | |
| Year / Semester | 2 nd Year/3 rd Semester | | | | |
| Teacher’s Name | Yianna Danidou | | | | |
| ECTS | 30 | Lectures/week | None | Laboratories/ week | None |
| Course Purpose and Objectives | <p>The course’s purpose is to provide guidance on how to write a successful Master’s Thesis. It aims to provide skills in research methods in the subdiscipline of Artificial Intelligence. Students will be able to demonstrate the ability to identify and formulate issues critically, independently and creatively as well as to plan and use appropriate methods, undertake advanced tasks within predetermined timeframes, and to contribute to the formation of knowledge in the field. Other skills will be related to participation in research and development work in the field of Artificial Intelligence, which is considered the main part of the thesis. The course also aims to equip the student with the tools required to manage a project as large as a Master’s Thesis, through providing project management techniques. The Master's Thesis course includes research methods stages of reviewing related work, extending existing or developing new ideas, software implementation and testing, analysis and evaluation, and finally writing a Master's Thesis. Finally, it aims to prepare the student for independent work as a recipient of a Master’s degree.</p> | | | | |
| Learning Outcomes | <p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> • Understand the basic concepts of probability, random variables, statistical inference, hypothesis testing and regression. • Be aware of their responsibilities as research students, including scientific ethics, and data and code management requirements. • Communicate research results, including building a scientific argument orally and in writing in the subdiscipline of Artificial Intelligence. • Data exploration and statistical analysis of data with the use of statistical tools and probability calculations. • Select and justify a research topic and use various resources to carry out a literature search and review in the subdiscipline of Artificial Intelligence. • Design, execute, interpret and report results from empirical research projects in the subdiscipline of Artificial Intelligence. | | | | |

| | | | |
|----------------|--|---------------|------|
| | <ul style="list-style-type: none"> • Manage a project in the subdiscipline of Artificial Intelligence and explain the relevant techniques and tools needed in order to complete it successfully on time and within budgeted resources. • Identify real-world problems in the subdiscipline of Artificial Intelligence to which academic concepts and methods can be realistically applied to improve or resolve the problem situation. • Select and use effectively the methods and techniques appropriate for particular cases in the subdiscipline of Artificial Intelligence, and plan and manage their work. • Critically evaluate their research project and the proposed solution, as well as recognize and describe legal, social or ethical obligations stemming from the project. | | |
| Prerequisites | The student needs to have completed all core courses of the programme. | Co-requisites | None |
| Course Content | <p><u>Part A: Research Methods:</u> <u>The nature of research:</u> Definitions and types of research; research process; topic selection and scope; feasibility and value. Ethics and responsible research.</p> <p><u>The literature search:</u> Sources of information; differentiating between types of sources; primary, secondary and tertiary sources; using the library and digital databases to conduct efficient literature reviews; searching the Internet; role of the supervisor.</p> <p><u>Project management:</u> Methods, techniques and tools for research design, and data collection in the subdiscipline of Artificial Intelligence.</p> <p><u>Analysis and synthesis:</u> Statistical and qualitative techniques for data analysis; use of appropriate software. Reliability and validity of research projects.</p> <p><u>Presentation of research findings:</u> Project structure; conventions on citation and quotations; style of writing a research report in the subdiscipline of Artificial Intelligence.</p> <p><u>Part B: Thesis:</u> The student selects a topic in the subdiscipline of Artificial Intelligence from the M.Sc. Thesis topics catalogue which is provided to them by the course's instructor and is consolidated from the previous semester, so that when the semester begins the student starts right away to have enough time to complete it. Once the students receive the topics, they have a deadline to choose a topic. Topics are assigned, given that the students have passed all the pre-requisite courses for a specific topic. At this point, the Department of Computer Science and Engineering mandates that the academic supervisor and student agree upon the topic as well as the expected output from the M.Sc. Thesis, with specific milestones and deliverables. Once a topic is selected and agreed upon with the academic supervisor, the course follows the weekly breakdown structure as that is provided in the Master Thesis Guide. If the topic is jointly set with the industry, then when the student progresses and reaches the field study/development phase, a second</p> | | |

| | |
|----------------------|---|
| | <p>(industrial) supervisor is appointed. However, the main supervisory role lies to the academic supervisor.</p> <p>The specific deliverables for each individual student's project must be discussed and decided upon in consultation with the student's supervisor/s. The written thesis is defended orally during a public defense. An Evaluation Committee including the supervisor/s and one external examiner from another university with an expertise on the thesis topic assess the written thesis.</p> |
| Teaching Methodology | <p>For Part A: Research Methods there will be distance learning research lectures and seminars, as well as a number of distance learning sessions with the instructor.</p> <p>For Part B: Face-to-face and/or online meetings with the supervisor/s.</p> |
| Bibliography | <p>Any material suitable for the subdiscipline in which the student is undertaking the thesis will be specified by the instructor/s.</p> <p>Cohen, P. R. (2017). Empirical Methods for Artificial Intelligence, Cambridge, MA: The MIT Press.</p> <p>Howard, K. & Sharp, J.A. (2019). The Management of a Student Research Project, Gower.</p> <p>J. Zobel. (2014). Writing for Computer Science, Springer.</p> <p>W. Navidi (2019). Statistics for Engineers and Scientists, McGraw-Hill Science/Engineering/Math; Latest Edition.</p> <p>Statistical Methods for Engineers (2010). Geoffrey Vining and Scott M. Kowalski, Thomson, Brooks/Cole, Latest Edition.</p> <p>Edgar, T. W. and Manz, D. O. (2017). Research Methods for Cyber Security. Cambridge, MA: Syngress.</p> <p>Argyrous, G. (2011). Statistics for Research: with a guide to SPSS. Los Angeles, CA: Sage.</p> <p>King, R. S. (2012). Research Methods for Information Systems, Dallas, TX: Mercury Learning & Information</p> |
| Assessment | <p>Written Thesis: 80%</p> <p>Oral Presentation: 20%</p> <p>Assessment Strategy: Each project must involve deliverables falling into the following general categories:</p> |

- (a) A proposed solution to a real-world problem in the subdiscipline of Artificial Intelligence.
- (b) A proof of concept, which demonstrates the validity of the proposed solution.
- (c) Clear indication of knowledge of relevant work by others in the subdiscipline of Artificial Intelligence.
- (d) The selection and application of appropriate theoretical concepts and methods.
- (e) A project thesis of between 12,000 to 16,000 words.

Projects will be marked in two ways.
 Firstly, according to the following scheme:

| | | |
|---|--------------------|------------------|
| 1. Project justification including its relationship to the current state of the art in Artificial Intelligence | 10% | 20 marks |
| 2. Ability to select and use appropriate methods and techniques | 10% | 20 marks |
| 3. The clarity, coherence and succinctness with which the solution is developed | 20% | 40 marks |
| 4. Novelty. Does the work improve significantly the current state of the art in Artificial Intelligence? | 20% | 40 marks |
| 5. Ability to critically review the project and assess its implications for future work in Artificial Intelligence in view of the project recommendations and conclusions | 10% | 20 marks |
| 6. Project Management: Ability to plan and control the project | 10% | 20 marks |
| 7. Oral presentation : | 20% | 40 marks |
| Total | <u>100%</u> | 200 marks |

- In addition, students are reminded about presentation issues:
- Is the document/project format (including spelling) of good quality?
 - Is it well organized into appropriate sections?
 - Is the style of language used appropriate for an academic report?

Language

English

Appendix C: Revised Syllabus of course “AI600 Foundations of Artificial Intelligence”

| | | | | | |
|-------------------------------|---|---------------|------|-----------------------|------|
| Course Title | Foundations of Artificial Intelligence | | | | |
| Course Code | AI600 | | | | |
| Course Type | Compulsory | | | | |
| Level | Master (2 nd cycle) | | | | |
| Year/Semester | 1 st Year/1 st Semester | | | | |
| Teacher’s Name | Sotirios Batsakis | | | | |
| ECTS | 7.5 | Lectures/week | None | Laboratories/ week | None |
| Course Purpose and Objectives | This course introduces the fundamental concepts, theory, and algorithmic ideas of Artificial Intelligence (AI). Specifically, the course contains an introduction to agents, uninformed and heuristic search, logical agents, introduction to planning and constraint satisfaction, adversarial search for games, AI ethics and philosophical foundations. | | | | |
| Learning Outcomes | <p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> • Learn the basic concepts in Artificial Intelligence such as Agents problems, Actions and Environments. • Identify the type of problem and environment that an intelligent agent operates. • Represent the problem, constraints and goals with formal methods. • Apply search techniques including uninformed and heuristic search for problem solving. • Model and solve standard constraint satisfaction problems. • Identify optimal strategies in adversarial problem settings, such as games. • Recall and apply planning techniques for constructing effective plans for achieving an agent’s goals. • Identify ethical issues involved in AI applications. • Apply related regulations when deploying AI applications. | | | | |
| Prerequisites | None | Co-requisites | None | | |
| Course Content | <p><u>Introduction:</u> Introduction to AI, definitions and history of AI.</p> <p><u>Intelligent Agents:</u> Problem formulation, goals, constraints environment and actors/agents.</p> <p><u>Search:</u> Solving problems by uninformed search.</p> <p><u>Informed Search:</u> Solving problems by searching using informed techniques involving heuristics.</p> <p><u>Beyond classical search:</u> local search algorithms, nondeterministic actions, partial observations, online search.</p> | | | | |

| | | | | | | | |
|----------------------|---|-------------|-----|--------------|-----|--|------|
| | <p><u>Game theory</u>: Selecting an optimal strategy in games using adversarial search techniques.</p> <p><u>Stochastic & Partially Observable Games</u>: Selecting an optimal strategy in games with non-deterministic actions and partial observability</p> <p><u>Constraint Satisfaction Problems</u>: Solving problems by finding acceptable solutions under constraints: Problem formulation and solving techniques.</p> <p><u>Planning</u>: Problem formulation construction of goal achieving plans: theory and practice.</p> <p><u>Planning and acting in the real world</u>: schedules and resources, hierarchical planning, nondeterministic domains, multi-agent planning.</p> <p><u>Philosophical foundations of AI</u>: Weak AI, strong AI, implications to dualism and consciousness.</p> <p><u>Ethics and AI</u>: Integrating ethics to AI systems, accountability and interpretability of AI systems (e.g. autonomous vehicles). Implications of AI in military applications. Automatic decision-making and algorithmic biases. Implications of AI in employment.</p> <p><u>Regulatory Framework of AI</u>: Existing regulatory frameworks and legal issues arising from AI applications.</p> <p>All lectures will consist of a theoretical part presenting concepts and techniques and a practical part where the AI techniques will be applied for problem solving.</p> | | | | | | |
| Teaching Methodology | Distance Learning | | | | | | |
| Bibliography | <p>“Artificial Intelligence: A Modern Approach” (Latest Edition) by Stuart Russell and Peter Norvig.</p> <p>N. Bostrom and E. Yudkowsky, “The ethics of artificial intelligence”. In W. M. Ramsey and K. Frankish, editors, The Cambridge Handbook of Artificial Intelligence, pages 316-334, Cambridge University Press. Latest Edition.</p> | | | | | | |
| Assessment | <table data-bbox="411 1787 837 1892"> <tr> <td>Assignments</td> <td>50%</td> </tr> <tr> <td>Examinations</td> <td>50%</td> </tr> <tr> <td></td> <td>100%</td> </tr> </table> | Assignments | 50% | Examinations | 50% | | 100% |
| Assignments | 50% | | | | | | |
| Examinations | 50% | | | | | | |
| | 100% | | | | | | |
| Language | English | | | | | | |

Appendix D: Advertisement of the vacancy in Artificial Intelligence ('Phileleftheros', Sunday, 5.4.2020)



European University Cyprus

Academic Positions



European University Cyprus encourages applications from candidates with a strong academic and research record, in various academic ranks for the following disciplines at the respective Departments of Schools:

The School of Medicine - Department of Medicine

- ▶ Medical Education (Any Rank)
- ▶ Medical Research (Senior Medical Research Scientist) (Associate Professor or Professor)

The School of Sciences - Department of Computer Science & Engineering

- ▶ Artificial Intelligence (Lecturer or Assistant Professor)
Preferably with specialization in the following areas:
 - Knowledge representation and reasoning - Machine Learning - Deep Learning
 - Natural Language Processing - Artificial Intelligence and Robotics

The School of Sciences - Department of Health Sciences

- ▶ Public Health (Associate Professor or Professor)

Candidates should submit the following documents:

- Letter of interest - Curriculum Vitae - Proof of qualifications - 2 letters of reference
-

European University Cyprus
6 Diogenes Street, Engomi, Nicosia
P.O.Box 22006, 1516 Nicosia, Cyprus
Tel: +357 22713000
Fax: +357 22713172

Applications Submitted:

Please submit, electronically, all required documents to the Human Resources Department (hrm@euc.ac.cy). Initial deadline is the 30th of April 2020.

The positions will remain open until recruitment. Tel: +357- 22713061

More information on our website: www.euc.ac.cy



RESEARCH POLICY

September 2018

Table of Contents

| | | |
|--|-----------------------------------|----|
| INTRODUCTION | 33 | |
| 1. EUC RESEARCH ETHICS POLICY | 34 | |
| 1.1 SCOPE AND PURPOSE | 34 | |
| 1.2 GENERAL PRINCIPLES | 34 | |
| 1.3 THE DEFINITION OF HUMAN-RELATED RESEARCH | 35 | |
| 1.4 VULNERABLE PARTICIPANTS | 35 | |
| 1.5 THE LEGAL FRAMEWORK, THE ROLE OF PROFESSIONAL ASSOCIATIONS AND RESEARCH COUNCILS | 35 | 35 |
| 2. GOOD RESEARCH PRACTICES / CODE OF ETHICAL CONDUCT IN RESEARCH... .. | 36 | |
| 2.1 CODE OF ETHICAL CONDUCT IN RESEARCH | 36 | |
| 2.2 OPENNESS IN RESEARCH | 36 | |
| 2.3 INTEGRITY | 36 | |
| 2.4 MISCONDUCT IN RESEARCH | 37 | |
| 3. INTELLECTUAL PROPERTY POLICY | 38 | |
| 3.1 INTRODUCTION | 38 | |
| 3.2 DEFINITIONS | 38 | |
| 3.3 INTELLECTUAL PROPERTY REGULATIONS | 39 | |
| 3.3.1 Responsibility | 39 | |
| 3.3.2 Identification of IP (including duty of confidentiality) | 39 | |
| 3.3.3 Coverage of the Regulations | 41 | |
| 3.3.4 Exceptions to the Regulations | 42 | |
| 3.3.5 Disclosure of IP | 42 | |
| 3.3.6 Ownership of IP | 42 | |
| 3.3.7 Modus Operandi for Commercial Exploitation of the IPR | 43 | |
| 3.3.8 IPR protection | 44 | |
| 3.3.9 Revenue Sharing Mechanism | 44 | |
| 3.3.10 | Leaving the EUC | 44 |
| 3.3.11 | Applications to use the EUC's IP | 44 |
| 3.3.12 | Breach of the Regulations | 45 |
| 3.3.13 | Discretion to assign/licence back | 45 |
| 3.3.14 | Amendments to the Regulations | 45 |
| 3.3.15 | Death | 45 |
| 3.3.16 | Disputes | 45 |
| 4. OFFICES, COMMITTEES AND CENTRES FOR RESEARCH | 46 | |
| 4.1 VICE RECTOR FOR RESEARCH AND EXTERNAL AFFAIRS | 46 | |
| 4.2 SENATE RESEARCH COMMITTEE | 46 | |
| 4.3 RESEARCH FOUNDATIONS AND CENTRES | 46 | |
| 4.4 RESEARCH OFFICE | 46 | |
| 5. RULES GOVERNING EXTERNAL RESEARCH PROGRAMMES | 46 | |
| 5.1 SUGGESTED PROCEDURE FOR SUBMITTING AND IMPLEMENTING A FUNDED RESEARCH PROJECT | 47 | |
| 5.1.1 Submission of research proposals: | 47 | |
| 5.1.2 Project implementation | 47 | |
| 5.1.3 Financial issues concerning externally funded research projects | 48 | |
| 5.1.4 University research fund | 49 | |
| 6. RULES GOVERNING INTERNAL RESEARCH AWARDS | 49 | |
| 6.1 PURPOSE | 49 | |
| 6.2 ELIGIBILITY FOR THE AWARDS | 49 | |
| 6.3 APPLICATION PROCEDURE | 50 | |
| 7. TEACHING HOURS REDUCTION FOR RESEARCH PURPOSES | 50 | |
| 7.1 AWARD OF A THR FOR PARTICIPATION IN RESEARCH PROJECTS | 50 | |
| 7.2 AWARD OF A THR FOR WRITING A BOOK | 51 | |
| 7.3 AWARD OF A THR BY ACCUMULATION OF POINTS | 51 | |

| | | |
|--------------|---|-----------|
| 8. | EQUIPMENT ACQUIRED THROUGH INTERNAL AND EXTERNAL FUNDING | 51 |
| 8.1 | EQUIPMENT ACQUIRED THROUGH UNIVERSITY FUNDS | 51 |
| 8.2 | EQUIPMENT PURCHASED THROUGH EXTERNAL FUNDING..... | 52 |
| 8.3 | PROVISION OF COMPUTING EQUIPMENT BY MIS | 52 |
| 9. | POLICY ON RESEARCH STAFF..... | 52 |
| 9.1 | INTRODUCTION | 52 |
| 9.2 | DEFINITIONS OF ROLES | 53 |
| 9.2.1 | Job Description for the Position of Research Associate..... | 53 |
| 9.2.2 | Job Description for the Position of Research Fellow | 55 |
| 9.2.3 | Job Description for the Position of Senior Research Fellow | 57 |
| 9.3 | PROCEDURES FOR APPOINTMENT | 58 |
| 9.3.1 | Selection and Search Procedures..... | 58 |
| 9.3.2 | Criteria for the Appointment to Rank of Research Associate..... | 59 |
| 9.3.3 | Criteria and Procedures for the Promotion to the Rank of Research Fellow | 59 |
| 9.4 | HONORARY RESEARCH STAFF..... | 59 |
| 9.4.1 | Honorary Principal Research Fellow | 60 |
| 9.4.2 | Honorary Senior Research Fellow | 60 |
| 9.4.3 | Honorary Research Fellow..... | 60 |
| 9.4.4 | Honorary Research Associate..... | 60 |
| 9.5 | INTELLECTUAL PROPERTY RIGHTS..... | 60 |
| 9.6 | INVOLVEMENT OF RESEARCH STAFF | 60 |
| | APPENDIX A:..... | 62 |
| | APPENDIX B:..... | 62 |
| | APPENDIX C:..... | 65 |
| | APPENDIX D..... | 66 |
| D1. | POINTS ACCUMULATION FROM RESEARCH | 66 |
| D2. | POINTS ACCUMULATION FROM RESEARCH / DEPARTMENT OF ARTS..... | 0 |

Introduction

Within the framework of further contribution to the research community, the mission of the European University Cyprus (from now on referred to as the University or EUC) is to develop a pioneering and innovative research infrastructure with the objective of generating new knowledge. The university focuses on both fundamental and applied research and wherever possible the commercial application or exploitation of the research results.

The policy is guided by the following broad objectives:

- 1) The establishment of an interdisciplinary approach for researchers with attractive conditions for accessible movement among institutions, disciplines, sectors and countries, without financial and administrative obstacles.

- 2) The creation of state of the art research infrastructures, including research centres, foundations, units and/or laboratories, which are integrated and networked and accessible to research teams from across the EUC.

- 3) Introduction of a simple and harmonized regime for intellectual property rights in order to enhance the efficiency of knowledge transfer, in particular between public research and industry.

- 4) Optimization of research programs and priorities, for example by developing joint principles for the administration of European, national and regional funding programs.

- 5) The strengthening of international cooperation enabling faculty and other scholars in the world to participate in various research areas, with special emphasis on developing multilateral initiatives to address global challenges.

- 6) The transfer of research-based knowledge to EUC students

Research is conducted by faculty members, research associates/research personnel and PhD students either on their own or within the framework of external (national, European, international) and internal funding programs that are launched by the University.

The Research Policy provides a code of conduct for research and is intended for all staff, including people with honorary positions, faculty members, special teaching personnel, scientific collaborators, special scientists, research associates, and students carrying out research at or on behalf of the University.

All groups mentioned above must familiarize themselves with the Research Policy to ensure that its provisions are observed.

1. EUC Research Ethics Policy

1.1 Scope and Purpose

1. The aim of the EUC Research Ethics policy is to promote and encourage a high quality research and enterprise culture, with the highest possible standards of integrity and practice. The policy applies to all academic, contract research and administrative staff, all research students, as well as undergraduate and masters students who are undertaking research. In short, the policy applies to all disciplines and research activities within the University, or sub-contracted on its behalf.
2. All staff and students are expected to act ethically when engaged in University business. Any research involving animals, human participants, human tissue or the collection of data on individuals requires ethical consideration. While particular attention must be paid to the interests of potentially vulnerable groups, such as children, the University recognises that it has a duty of care towards all members of the wider community affected by its activities. The University also recognises that it has a duty of care to its own staff, and that this includes the avoidance of harm to those undertaking research.
3. The University will establish a framework for research ethics governance in which its Research Ethics Committee will have a central approval, monitoring and training role. The University will establish a Research Ethics Committee with representatives from all the Schools. The Research Ethics Committee will put in place the procedures needed to obtain approval.

It is, however, recognised that it may not always be appropriate or practicable for ethical approval to be sought from the Research Ethics Committee especially when it comes to short or undergraduate projects. Normally undergraduate or taught projects will not require clearance from the Research Ethics Committee and the matter can be dealt with at School and/or Department level. However, when active intervention is involved whether physically invasive or psychologically intrusive the Research Ethics Committee will need to be consulted. In particular, university staff has an obligation to ensure that not only their own research but any undergraduate or masters student research conducted under their supervision is ethically sound. Where research projects are subject to external approval, the School or Department responsible must ensure that this approval is sought and given. Where approval for a project has been given by a Research Ethics Committee at another university, as may be the case with a collaborative project, the EUC Research Ethics Committee must be provided with proof of this.

4. For some research projects it may be necessary to obtain the approval of the Cyprus National Bioethics Committee. Researchers should consult directly with the Cyprus National Bioethics Committee. Contact details and more information on the approval process can be found on <http://www.bioethics.gov.cy> .

1.2 General Principles

1. The EUC Research Ethics Policy is based on widely accepted principles and practices governing research involving human participants. The key elements are:
 - Minimal risk of harm to participants and researchers;
 - Potential for benefit to the society;
 - Maintenance of the dignity of participants;
 - Minimal risk of harm to the environment;
 - Voluntary informed consent by participants, or special safeguards where this is not possible;
 - Transparency in declaring funding sources;
 - Confidentiality of information supplied by research participants and anonymity of respondents;
 - Acknowledgement of assistance;
 - Appropriate publication and dissemination of research results;
 - Independence and impartiality of researchers.

1.3 The Definition of Human-Related Research

1. All human-related research which includes one or more of the following require ethical assessment and approval at the appropriate level:
 - Direct involvement through physically invasive procedures, such as the taking of blood samples
 - Direct involvement through non-invasive procedures, such as laboratory-based experiments, interviews, questionnaires, surveys, observation
 - Indirect involvement through access to personal information and/or tissue
 - Involvement requiring consent on behalf of others, such as by parents for a child participant

1.4 Vulnerable Participants

1. Some participants may be particularly vulnerable to harm and may require special safeguards for their welfare. In general, it may be inappropriate for undergraduates to undertake research projects involving such participants.
2. Particularly vulnerable participants might be:
 - Infants and children under the age of eighteen
 - People with physiological and/or psychological impairments and/or learning difficulties.
 - People in poverty
 - Relatives of sick, or recently-deceased, people

1.5 The Legal Framework, the Role of Professional Associations and Research Councils

1. All research undertaken under the auspices of EUC must meet statutory requirements. Of particular relevance is the Bioethics Law (N.150 (I)/2001 and 53 (I)/2010), the Data Protection Law (2001), the Patients Protection Law (2005), and all those laws that create the legal framework for the Cyprus National Bioethics Committee.

2. Researchers in particular disciplines should comply with any research ethics guidelines set out by their professional associations.
3. Research Councils, charitable trusts and other research funding bodies in most cases require an undertaking from grant applicants that research proposals involving human participants have been approved by the University Research Ethics Committee or another appropriate body. Some also require audited compliance with their guidelines.

2. Good Research Practices / Code of Ethical Conduct in Research

2.1 Code of ethical conduct in research

Scholarly inquiry and the dissemination of knowledge are central functions of the University. They can be carried out only if faculty and research personnel abide by certain rules of conduct and accept responsibilities stemming from their research. And they can only be carried out if faculty and research personnel are guaranteed certain freedoms. The University expects that faculty and research personnel will be bound by the following research practices:

All faculty and research personnel are free to choose any research matter, to receive support from any legitimate source, and to create, analyse and derive their own findings and conclusions.

Research methods, techniques, and practices should not violate any established professional ethics, or infringe on health, safety, privacy and other personal rights of human beings and/or animals.

The above principles define the university's role with respect to research carried out on its premises. They are set forth to reinforce, and not diminish each faculty and research personnel's personal responsibilities toward their research, and to assure that each faculty and research personnel's source of funding and research applications are consistent with moral and societal conscience.

2.2 Openness in research

The University recognizes and supports the need for faculty and research personnel to protect their own rights, be they academic or intellectual property rights. Even so, the University encourages all faculty and research personnel to be as open as possible when discussing their research with other researchers and the public. This aims at the dissemination of research performed in the University to enhance the international research community's knowledge and understanding.

2.3 Integrity

Faculty and research personnel must be honest about their research and in their review of research coming from other researchers. This applies to all types of research work, including, but not limited to, analysing data, applying for funding, and publishing findings. The contributions of all involved parties should be acknowledged in all published forms of findings.

Faculty and research personnel are liable to the society, their professions, the University, their students and any funding agency that may fund their research. For this reason, faculty and research personnel are expected to understand that any form of plagiarism, deception, fabrication or falsification of research results are regarded as grave disciplinary offences managed by procedures described in detail in Section 2.4.

Any real or potential conflict of interest should be reported by faculty and research personnel to any affected party in a timely manner in all matters concerning research and peer review. According to the United States National Institute of Health “Conflict of interest occurs when individuals involved with the conduct, reporting, oversight, or review of research also have financial or other interests, from which they can benefit, depending on the results of the research.” (<http://www.nih.gov>).

2.4 Misconduct in research

Misconduct in research may involve Fabrication, Falsification, or Plagiarism in proposing, performing, or reviewing research, or in reporting research results. To prove that there has been misconduct in research, the following conditions must be met: The performance of said research has significantly deviated from accepted practices used in the field that the research was performed, and there was intention in the misconduct by the researcher(s).

Any allegations about misconduct in research will be investigated by the University thoroughly, through a special committee formed as described in the University Charter, Annex 11, Article VII.

3. Intellectual Property Policy

3.1 Introduction

The EUC is dedicated to teaching, research, and the extension of knowledge to the public. Faculty, research personnel, and students at the University, hereafter referred to as "University Employees," recognize as two of their major objectives the production of new knowledge and the dissemination of both old and new knowledge. Because of these objectives, the need is created to encourage the production of creative and scholarly works and to develop new and useful materials, devices, processes, and other inventions, some of which may have potential for commercialization.

The University acknowledges the need for an Intellectual Property Rights (IPR) policy, which will promote the University's reputation as socially relevant, leading research and teaching organisation and will directly contribute to the financial position of the EUC if its commercial value is realised.

The policy is based on the principles that will govern the ownership rights emanating from research of and/or materials produced by the EUC's members of staff and students, and to establish objectively fair and equitable criteria for the transfer of knowledge. The EUC thus aims to provide support services to promote the creation of Intellectual Property (IP) whilst seeking to maximise the commercial exploitation of the resulting IPR.

Intellectual Property includes, but is not limited to, patents, registered designs, registered trademarks and applications and the right to apply for any of the foregoing, copyright, design rights, topography rights, database rights, brands, trademarks, utility model rights, rights in the nature of copyright, knowhow, rights in proprietary and confidential information and any other rights in inventions.

The EUC acknowledges that registration and commercial exploitation of Intellectual Property is often a long and costly process that is justified once it is ascertained that there exists a business case for such registration and exploitation. It is known that in practice, only a small number of works can be commercially exploited in a viable manner, depending on the nature and marketability of the work in question.

3.2 Definitions

For the purposes of this Policy:

Creator - "Creator" shall mean, employees of EUC, a student, non-employees contracted to EUC for contracts and services, or a member of a Visiting Teaching Staff involved in the production of Disclosable Work.

Disclosable Work – "Disclosable Work" shall mean such work that is novel, original, and/or important and is likely to bring impact and enhance the Creator's reputation. This work is characterised by the IP rights it generates.

Intellectual Property Policy – "IP Policy" is the name of the policy described here that outlines the regulations of the EUC in regard to disclosure and exploitation of Intellectual Property Rights (IPR).

Organisation – "Organisation" for the purpose of this document is the European University Cyprus (EUC).

Intellectual Property Adjudication Committee – is the name of the committee established to resolve disputes over interpretation or claims arising out of or relating to this policy, or dispute as to ownership rights of Intellectual Property under this policy.

Office of the Vice Rector for Research and External Affairs – is the office within the EUC responsible for the development of and enacting this IP Policy and is the interface between the EUC and the Technology Transfer Facility.

Technology Transfer Facility – “TTF” for the purpose of this policy, is the relevant body responsible for Technology Transfer support in Cyprus.

3.3 Intellectual Property Regulations

3.3.1 Responsibility

1. The IP Policy acknowledges that all members of staff and students have responsibilities with regard to IPR arising from and/or used by them in the course of their teaching/employment.
2. The IP Policy also recognises that all members of staff and students require support and assistance to help them to meet their responsibilities and this will be provided by the Office of the Vice Rector for Research and External Affairs and, subsequently, by the Technology Transfer Facility.

3.3.2 Identification of IP (including duty of confidentiality)

1. It is expected that identification will take place when employees, students, or members of staff are involved in creating and developing IP. Much of the IP which will be created by the EUC’s employees may be anticipated prior to its creation depending on the nature of the project in question and outputs and results that are expected to be generated. Examples of such outputs which are likely to have potential IP rights arising include (but are not limited to):
 - Inventions (whether or not patentable);
 - Methodologies;
 - Software;
 - Databases;
 - Educational/training materials and tools;
 - Modelling tools;
 - Solutions to technical problems; and
 - Design/artistic products.
2. A Summary of the main classes of IPR is listed below:

Patent

A registered patent provides a time-defined (up to 20 years) geographically defined monopoly right to exploit a new commercially valuable invention or process. The basis of the permission to exploit is that the invention's working is disclosed, although patenting is not possible if there has been ANY prior disclosure of the invention. Patents are governed by Cyprus Law or EU Law such as the New Patent Law of Cyprus (Law No. 16(I)/1998).

Copyright

This time-limited right (which varies between 25 and 70 years according to the material) arises automatically on the physical creation (not the idea) of software, original literary, dramatic, artistic or musical work, and in recorded (e.g. film) or published (e.g. layout) derivations. Use of the © mark and owner's name and date is the internationally recognised way of alerting the public to the copyright ownership but the protection (the right to preventing unauthorised copying) exists regardless. Copyright is governed by the Copyright Law, 59/76. Copyright may be assigned to a third party, but until that point or until a licence is agreed it remains the property of the Creator, unless s/he creates the work ‘in the course of his/her employment’, in which case it is the property of the employer.

Moral rights

All European countries recognise an author's moral rights. In Cyprus, there are two moral rights: the right of paternity and the right of integrity. These rights relate to the reputation or standing of the creator in the eyes of fellow human beings. To infringe a moral right involves denigrating or harming the author's reputation. The right of integrity means the creator has the right to object to derogatory treatment of his/her work. Basically, this means changing it in a way that affects the nature of the work without permission. Moral rights can be waived (i.e. the author chooses not to exercise the rights) or they can be bequeathed. They cannot be assigned.

Performing rights

Creators of copyright works have the right to protect the physical form in which those works are created – words on the page, pigment on a canvas, or the clay or metal of a sculpture. Performers such as teachers, actors, musicians and dancers also enjoy protection of their performance, especially when recorded on film, video, tape, CD, or in other form.

Performing rights may affect the multimedia elements of online courseware, as well as the Creator's copyright in the material itself.

Database Right

This time-limited (15 years) right arises without registration to protect the compilers of non-original information from losing the benefit of their work through unauthorised copying or re-use.

Industrial Designs

There is automatic time-limited (15 years) protection (the right to prevent unauthorised copying) for unregistered designs, provided authorship can be proved, under the Legal Protection of Industrial Designs and Models Law 4(I)/2002 This design right covers "the appearance of the whole or a part of a product resulting from the features of, in particular, the lines, contours, colours, shape, texture and/or materials of the product itself and/or its ornamentation" on condition of novelty of the design.

On registration under Legal Protection of Industrial Designs and Models Law, the designer of the new pattern or shape which has aesthetic appeal (can be 2 or 3 dimensional) acquires a monopoly right of commercialisation for a maximum of 25 years from the filing of the application, divided into 5 periods of 5 years.

An unregistered community design (UCD) gives its owner the right to prevent unauthorised copying of their design throughout the European Union. It is not a monopoly right and lasts for 3 years from the date on which the design was first made available to the public within the Community.

Domain Names

Registering a domain name for Internet use gives a right to use the domain name typically for a period of two years, registered with bodies like ICANN internationally and the University of Cyprus in Cyprus. Owners of trademarks can have established rights to domain names.

Trade Marks

Registering a trade mark under the Cyprus Trade Marks Law, Chapter 268, gives a monopoly right for the use of graphically distinct trading identification signs. Unregistered trade marks have some protection through court actions against "passing off" (piracy), provided that their

use has not lapsed for a period of 5 years. Cyprus legislation is fully harmonised with EU Standards applicable in trade mark protection.

3. EUC's members of staff and students undertake to keep confidential and not disclose any confidential information, data, materials, knowhow, trade secrets or any other IP, to any unauthorised third party and shall also undertake to keep such information secure and strictly confidential both during the course of research activity, be it of an Academic or Collaborative/Contract nature, and also on and following completion thereof.
4. Any breach of this confidentiality and non-disclosure obligation constitutes a serious breach and may lead to disciplinary action and does not prejudice the rights of the EUC to file any action for damages or any other rights available at law.

3.3.3 Coverage of the Regulations

1. Whom does this IP Policy apply to?
 - Employees:
By persons employed by the EUC in the course of their employment.
 - Students:
By student members in the course of or incidentally to their studies at EUC.
 - Non-employees contracted to the EUC:
By persons engaged by EUC under contracts for services during the course of or incidentally to that engagement.
2. Sabbatical, Seconded, Visiting Academics and others:
By other persons engaged in study or research in the University who, as a condition of their being granted access to the EUC's premises or facilities, have agreed in writing that this Part shall apply to them.
3. Participation of the EUC members of staff/employees and or students in Collaborative and/or Contracted Research.
The preparation and negotiation of any IP agreements or contracts involving the allocation of rights in and to IP will be undertaken by a competent person authorised for this purpose by the EUC.
Issues that will be addressed in such agreements include, but will not always be limited to:
 - ownership of Foreground IP;
 - licences to Foreground IP for uses outside the project;
 - ownership of Background IP;
 - licences to use Background IP in the project or activity in question and in relation to the use of the Foreground IP arising from such project or activity;
 - allocation of rights to use or commercialise IP arising from any such project or activity and the sharing of revenues; and
 - publications arising from the relevant project or activity and the rights arising from such projects or activities.The terms of such agreements may be subject to negotiation.

3.3.4 Exceptions to the Regulations

1. Unless specifically commissioned, typically the EUC will NOT claim ownership of copyright in certain types of Disclosable Work described in this policy as “Creator Copyright Works”:
 - artistic works;
 - text and artwork for publication in books;
 - articles written for publication in journals;
 - papers to be presented at conferences;
 - theses and dissertations;
 - oral presentations at conferences;
 - posters for presentation at conferences; and
 - musical scores.
2. Where IP has been generated under the exception clause of this regulation, the EUC may assign the copyright to the Creator.
3. Students – undergraduate and/or postgraduate.

3.3.5 Disclosure of IP

1. All persons bound by these Regulations are required to make reasonably prompt written disclosure to the EUC’s Office of the Vice Rector for Research and External Affairs at the outset of the work or as soon as they become aware of it (by completion of the Invention Disclosure Form, the information required for which is provided in Appendix B):
 - any IP of potential commercial value arising from their work;
 - the ownership by a third party of any IP referred to or used for their work;
 - any use to be made of existing EUC IP during their work;
 - any IP which they themselves own which is proposed to be used by the EUC.
2. Creators shall keep all Disclosable Work confidential and avoid disclosing this prematurely and without consent;
3. Only disclose any Disclosable Work and the IP relating to it in accordance with the EUC’s policy and instructions;
4. Seek EUC’s consent to any publication of information relating to any Disclosable Work;
5. Creators must NOT:
 - i. apply for patents or other protection in relation to the Disclosable Work; and
 - ii. use any Disclosable Work for their own personal and/or business purposes and/or on their own account.

3.3.6 Ownership of IP

1. Ownership of IP created by an individual who is an employee is generally determined by considering:
 - Who created the IP?
 - Was the IP created in the course of the Creator’s employment?
 - Are there any contractual conditions that affect ownership?
2. Assignment of ownership rights
Generally, the Creator of IP is its legal owner. From the EUC’s point of view, the most important exception to this is the general rule that IP is owned by a person’s employer where the IP is created as part of, or through the auspices of, the person’s employment.

3. The EUC claims ownership of all the Intellectual Property specified in section 2.2, which is devised, made or created by those specified in section 3 and under the exceptions to the regulations in Section 4. It also includes but is not limited to the following:
 - i. Any work generated by computer hardware/software owned/operated by the EUC.
 - ii. Any work generated that is patentable or non-patentable.
 - iii. Any work generated with the aid of the EUC's resources and facilities including but not limited to films, videos, field and laboratory notebooks, multimedia works, photographs, typographic arrangements.
 - iv. Any work that is registered and any unregistered designs, plant varieties and topographies.
 - v. Any University commissioned work generated. Commissioned work is defined as work which the EUC has specifically employed or requested the person concerned to produce, whether in return of special payment or not and whether solely for the University or as part of a consortium.
 - vi. Know-how and information related to the above
 - vii. Any work generated as a result of the teaching process including but not limited to teaching materials, methodologies and course outlines.
 - viii. Material produced for the purposes of the design, content and delivery of an EUC course or other teaching on behalf of the school, whether used at the school's premises or used in relation to a distance learning and/or e-learning project. This type of material includes slides, examination papers, questions, case studies, and assignments ("course materials").
 - ix. Material for projects specifically commissioned by the EUC
 - x. All administrative materials and official EUC documents, e.g. software, finance records, administration reports, results and data.

3.3.7 Modus Operandi for Commercial Exploitation of the IPR

1. The EUC is entitled to commercially exploit any result obtained under its aegis (unless this entitlement is relinquished). The Office of the Vice Rector for Research and External Affairs has the responsibility for administration of Disclosures and will work with the TTF of Cyprus, which has responsibility for commercialisation of Disclosures. As guidance to the commercialisation process, the EUC/TTF will follow a standard process, graphically presented in Appendix A.
2. The Creator/s shall notify the Office of the Vice Rector for Research and External Affairs of all IP which might be commercially exploitable and of any associated materials, including research results, as early as possible in the research project. This notification shall be effected by means of an Invention Disclosure Form (contents as noted in Appendix B). In case of doubt as to whether research is commercially exploitable or otherwise, the Creator/s undertake/s to seek the advice of Cyprus Central TTF.
3. The Office of the Vice Rector for Research and External Affairs shall immediately acknowledge receipt of the Disclosure Form. In consultation with the TTF and the Creator/s, shall decide whether the EUC and the TTF has an interest to protect and exploit the relevant IPR.
4. The TTF shall communicate the decision in writing to the Office of the Vice Rector and the Creator/s by not later than three months from the date of receipt of the Invention Disclosure Form. If the EUC and TTF decide to protect and exploit the IPR, it is understood that:
 - the Creator/s shall collaborate with the EUC and the TTF, to develop an action plan for the protection and commercial exploitation of the IP;
 - the TTF in collaboration with the Creator/s shall ensure that third party rights are not infringed in any way through the process; and

- the EUC/TTF shall seek to protect the right of the Creator/s to use the said IP for strictly non-commercial purposes.
5. Should the EUC and TTF decide that there is no interest in protecting and exploiting the relevant IPR, or should it fail to inform the Creator/s about its decision within the stipulated time, the EUC may assign all its rights, title and interest in such IP to the Creator/s concerned, whilst the EUC retains the right to use the said IP in whichever manifestation for strictly non-commercial purposes.
 6. The Creator/s SHALL NOT enter into any sponsorships or commercial agreements with third parties related to their research at EUC without prior written authorisation by the Office of the Vice Rector for Research and External Affairs. This said, it is understood that consent shall generally be granted to Creator/s for such requests as long as the IPRs of the EUC are safeguarded; otherwise the claims on IPR expected by the third party must be agreed upon explicitly upfront.

3.3.8 IPR protection

1. Some forms of IP require active steps to be taken to obtain protection (e.g.: patents, registered trademarks and registered designs). Other forms of IP rights are protected on creation (e.g. Copyright, EU Database Rights) but still require appropriate management in order to maximise the protection available. Best practices in patent protection require that all materials made publicly available by any employees, members of staff and/or students should include a copyright notice.
2. Any decisions relating to the registration of any IP rights such as making an application for a patent or a registered trade mark or a registered design (including any decisions to continue or discontinue any such application) should be made in consultation with the Office of the Vice Rector for Research and External Affairs and the TTF. The IP registration process can be very expensive and IP protection costs should not be incurred without appropriate consideration of how such costs will be recovered.

3.3.9 Revenue Sharing Mechanism

The EUC's employees and students can benefit from the Revenue Sharing Scheme if their work generates income for the EUC. The scheme is presented in Appendix C. Note that such revenue to be shared is typically calculated after deduction of all costs incurred by the EUC and TTF in developing, protecting, exploiting, and marketing the Disclosable Work and the Intellectual Property it contains.

3.3.10 Leaving the EUC

Cessation of employment, under normal circumstances, will not affect an individual's right to receive a share of revenue. Exceptions to this rule include: cessation of employment due to disciplinary actions.

3.3.11 Applications to use the EUC's IP

1. The EUC may be willing to consider requests from its staff and/or students for a licence to use specific IP, owned by EUC for their use although the terms and decision to grant any such licences is a decision wholly made by the EUC.
2. Applications for such licence should be made in writing to the Office of the Vice Rector for Research and External Affairs.

3.3.12 Breach of the Regulations

1. Breach of the regulations listed in this Policy may be a disciplinary matter for the EUC's staff and students under the normal procedures.
2. The EUC shall consider all avenues available to it, including legal action if necessary, in respect to persons bound by these regulations who acted in breach of them.

3.3.13 Discretion to assign/licence back

1. If the EUC does not wish to pursue the commercialisation of any Intellectual Property or does not wish to maintain an interest in the IPR, it has the right to assign such IPR rights to the Creator/s of the IPR by entering into an agreement to enable the IP to be used by the Creators. This will generally only be granted where there is clear evidence that the IP provides no other benefit to the EUC and is not related to other IP, which the EUC has an interest in.
However, the EUC shall not assign its IP if they consider that the commercialisation of the IP could potentially bring harm to the name of the EUC. Decisions regarding potential harm will be taken by the Research Ethics Committee of EUC.
2. Requests for any transfer of rights from the EUC to another party with rights should be made in the first instance to the Vice Rector for Research and External Affairs.

3.3.14 Amendments to the Regulations

These Regulations may be amended by the Senate of the EUC on the recommendation of the Vice Rector for Research and External Affairs.

3.3.15 Death

In the event of a researcher's death, the entitlement shall continue for the benefit of his or her estate.

3.3.16 Disputes

1. Any question of interpretation or claim arising out of or relating to this policy, or dispute as to ownership rights of intellectual property under this policy, will be settled by submitting to the EUC's Intellectual Property Adjudication Committee a letter setting forth the grievance or issue to be resolved. The committee will review the matter and then advise the parties of its decision within 60 days of submission of the letter.
2. The Intellectual Property Adjudication Committee will consist of a chair who is a member of the tenured faculty, at the rank of either a Professor or an Associate Professor, one member of the faculty from each School, at the rank of either Assistant Professor or Associate Professor or Professor, an individual from the EUC with knowledge of Intellectual Property and experience in commercialisation of Intellectual Property, and two other members representing, respectively, the EUC administration, and the student body. The chair will be appointed by the Vice Rector for Research and External Affairs, with the advice and consent of the Senate Research Committee, and the remaining members of the committee will be appointed: the faculty members, each by their School's Council, the administration representative by the University Council or its designee, and the student representative by the Student Union. The committee will use the guidelines set forth in this policy to decide upon a fair resolution of any dispute.

3. Any disputes regarding the revenue distribution from the exploitation of Disclosable Works will be dealt with in accordance with the EUC's normal member of staff or student dispute procedures as outlined in the contractual terms of conditions.
4. The Parties shall attempt to settle any claim, dispute or controversy arising in connection with this Policy, including without limitation any controversy regarding the interpretation of this Policy, through consultation and negotiation in good faith and spirit of mutual cooperation. Where such claims or disputes cannot be settled amicably, they may be taken to court.
5. This Agreement shall be governed by, and construed in accordance with the laws of Cyprus.

4. Offices, Committees and Centres for Research

4.1 Vice Rector for Research and External Affairs

The Vice Rector for Research and External Affairs (from now on referred to as the Vice Rector) is the person responsible for representing the University on research matters and enhancing activities related to research within the University. Moreover the Vice Rector facilitates and supports, when asked by faculty or research members, all research activities, including the implementation of research projects, the organization of scientific conferences and the establishment of research units/labs. In addition, the Vice Rector is responsible for the smooth implementation of the University's Research Policy.

4.2 Senate Research Committee

The administration of the research activity is facilitated by the Senate Research Committee of the University. The Committee composition is prescribed in the University Charter and the Committee is accountable to the Senate of the University.

4.3 Research Foundations and Centres

Research is carried out in university departments, research foundations, and centres. The Senate suggests to the University Council the formation of new foundations and research centres or the discontinuation of existing ones, if necessary.

The University Council approves the establishment of these foundations and research centres. Separate regulations are issued for the establishment of University research centres. Detailed description of the mission, area of specialization, and operation of each foundation or research centre is given in a separate document.

4.4 Research Office

Detailed description of the mission, area of specialization, and operation of the Research Office is given in a separate document.

5. Rules Governing External Research Programmes

5.1 Suggested procedure for submitting and implementing a funded research project

The following rules apply for externally funded research projects:

5.1.1 Submission of research proposals:

Faculty and research personnel that are interested in submitting a proposal or participate in a proposal for ANY kind of externally funded research project (commercial, consultancy, RPF, European etc) should consult and get the approval of the EUC Research Office. The formal procedures developed by the Research Office pertaining to the development of a research proposal and to participation in a research project should be followed in all cases. Given that in all research and consulting application forms a budget also needs to be prepared, the budget will be developed in collaboration with the EUC Research Office, sharing their expertise with the faculty and research personnel and advising them accordingly about the cost models and cost categories used in each case. This procedure should make sure that the proposal satisfies all the necessary criteria of the particular research call.

The final approval for financial and administrative issues of proposals or projects will be signed by the legal representative of EUC.

5.1.2 Project implementation

The formal procedures developed by the Research Office pertaining to the administration of a research project should be followed in all cases.

In the case where a project is awarded, a copy of the contract and all the original receipts, invoices, contracts and other accounting documents regarding expenses of the project will be maintained by the EUC Research Office without any additional remuneration or personnel costs added to the budget of a project. The researcher/s involved in an externally funded project are responsible for submitting all receipts, invoices, contracts and other accounting documents relevant to their project to this department. No payment will be processed before the submission of the aforementioned documents to the Research Office.

Timesheets should be kept for all projects. These will be used as the basis for calculating the money to be paid to researchers for all types of projects. The EUC Research Office will assist researchers to calculate the hourly and daily rate for each staff member.

The researcher must also inform the Chief Financial Officer of the University, through the EUC Research Office, in order to create a separate ledger (account) in the University's Accounts Department. After completion of the project, the Accounts Department will keep the file on record for 5 years or more if needed by the contractual agreement.

The EUC Research Office should keep a file with all the details concerning the project. The file must be made available to the Senate Research Committee upon request.

5.1.3 Financial issues concerning externally funded research projects

All incoming funds for the execution of a project are deposited in a separate account (ledger) of the University and all necessary expenses with their receipts relating to the project are paid/signed by the Vice Rector for Research and External Affairs, the CFO and the CEO of the University.

The time spent by faculty and research personnel on national, European or international research projects is, with rare exceptions, an eligible cost for inclusion in a project budget at a level which reflects the time to be spent by faculty and research personnel on the project and the employer's cost. These are real project costs and their inclusion in project budgets is strongly required.

Salary payments to faculty and research personnel will be paid out regularly by the Accounts department upon the project coordinator's request to the Research Office and provided that the allocated amount for the previous period has been received from the funding agency and all reporting requirements for the previous period to the funding agency have been met.

In cases of delay in receiving the predetermined instalment, the University will grant to the researcher the required funds (not his/her compensation/remuneration but costs such as equipment, consumables, traveling) to initiate the research, provided that a copy of the contract and all necessary documentation had been submitted to the Research Office.

Employment of additional temporary staff, budgeted for completion of the research project, will be the responsibility of the project coordinator. The remuneration for temporary staff will depend on the corresponding budget of the project and the possible allocation of funds for this purpose.

Subcontracting activities within the framework of a research project will be the responsibility of the project coordinator. These activities should be in alignment with the corresponding budget of the project, the grant rules, and the EUC subcontracting policy.

In the case where a faculty or research personnel fails to complete a research project due to failure to meet his/her contractual obligations, or if it is clear that there was an intention of misconduct and there are financial damages laid upon the University relating to this event, the faculty or research personnel is liable to pay these damages. This will not be applied in cases such as health problem, etc, where there is clearly not an intention of misconduct.

5.1.4 University research fund

All funds allocated for research from externally-funded research projects, the University as well as funds offered for research purposes from third parties will be deposited in the University Research Fund. Recommendations for the allocation of funds are made by the Senate Research Committee and are subject to the final approval of the Management of the University. These funds can be used to finance such activities as:

- (a) Participation of academic researchers in conferences, seminars, and meetings to coordinate activities, which are needed for submission of external programmes.
- (b) The administration costs associated with providing support services to academic researchers.
- (c) Organisation of training seminars for the faculty and research personnel of the University; these seminars shall be organized if and only will help/assist and/or facilitate researchers to enhance and further develop their knowledge in subjects related to their research fields and help them design and implement research projects.
- (d) Purchase of software, hardware and equipment that are needed by faculty and research personnel for research projects.
- (e) The funding for the University's Internal Research Awards such as PhD scholarships
- (f) Development of Infrastructure related to the research activity of the University.
- (g) Funding of the activities of the Research Office of the University.

6. Rules Governing Internal Research Awards

The University's "Internal Research Awards" (IRA) are launched on an annual basis by the Senate Research Committee, are announced by the Vice Rector for Research & External Affairs and financed by the University Research Fund and external sponsors as described in Section 5.1.4 above.

6.1 Purpose

IRAs are awarded to EUC faculty in order to pursue research and other creative work. IRAs provide support for exploratory research projects which might result in proposals submitted for external funding or in creative work that is likely to enhance the recognition of the faculty and research personnel and the University at large. IRAs may be used for funding travel, equipment, supplies, PhD student assistants' scholarships, student assistants, research assistants and other expenses. Funding for this programme comes from the University Research Fund.

6.2 Eligibility for the awards

All full-time faculty members of the University who have the rank of Assistant Professor or higher are eligible to apply for the awards. Specific eligibility criteria may apply for each type of award.

6.3 Application Procedure

The Vice Rector for Research and External Affairs initiates the selection process by issuing a call for proposals. The deadline for the submission of proposals will be announced. Application materials will be available from the office of the Vice Rector for Research and External Affairs and the proposals will be submitted electronically to the office of the Vice Rector.

7. Teaching Hours Reduction for Research Purposes

The University rewards members of staff who excel in research by awarding them Teaching Hours Reduction (THR). A THR may be awarded if the member of staff fulfils the conditions in one or more of the three schemes outlined below.

A member of staff may be awarded a THR under more than one of the schemes described below if he/she is eligible. The minimum teaching per semester can be reduced down to 6 hours per week based on the accumulated research load reduction hours. An exemption may be considered for Deans and Chairs.

All allocations of THR under the three schemes outlined below will be made after a recommendation of an ad-hoc committee chaired by the Vice Rector for Research and External Affairs. The committee will take into account scheduling constraints and other considerations for the sustainable development of research activity at the university. The committee will meet at an appropriate time in each semester in order to make the THR allocations in time for the preparation of the schedule of classes for the next semester.

7.1 Award of a THR for participation in research projects

Members of staff are eligible to apply for a Teaching Hours Reduction (THR) when conducting funded research for the full duration and until the completion of relevant funded projects. Should their application meets with success, funded project coordinators are entitled to a three-hour teaching reduction per semester for the whole duration of the project, whereas research partners are eligible for a THR equivalent to at least one third of the duration of the project.

Based on the policy of the University with regard to THR requests, Faculty, research and Other Teaching Personnel (OTP) members are expected to submit a written request to the Chairperson of his/her Department before the beginning of the academic year/semester. The Chairperson will process the THR request by way of making a relevant recommendation to the Dean of School. The Dean will then forward his/her recommendation to the Vice Rector for final approval. After the deadline expires, applications for teaching hours reduction will not be accepted.

The deadlines for submitting a request for teaching load reduction per semester are the following:

For the Fall Semester: 1st of May

For the Spring Semester: 31st of October

If a research proposal was awarded a grant after the special case of approval of a research/grant proposal (i.e. RPF, EU etc) while an academic year is in progress, a THR request should be submitted and be approved prior to the beginning of the next semester, during which the teaching load reduction will be applied. The research project should commence at least one month before the beginning of the next semester for the THR to be awarded.

7.2 Award of a THR for writing a book

A three-hour teaching reduction per semester will be awarded for the purpose of writing a book upon submission of a publishing contract by a reputable publisher. A total of two THR allocations (maximum 6 credits) will be made under the scheme for each book contract. The same deadlines and application procedure apply as in the scheme described in section 7.1.

7.3 Award of a THR by accumulation of points

A third scheme for the award of a THR takes into account the research activity of members of staff and the points they have accumulated according to the tables given in Appendix D. A THR of 3 hours per week is awarded to faculty members once they accumulate 100 (one hundred) points and the same number of points are automatically deducted from his/her accumulated total. Points accumulated over time but not utilized by a member of staff will simply remain at his/her disposal.

Note that members of staff may consider the year 2016 as the starting point for calculating points accumulated through research. The calculation of points will be valid after it has been approved by the Dean of the School and the Vice Rector for Research and External Affairs.

8. Equipment Acquired through Internal and External Funding

8.1 Equipment acquired through University funds

All equipment that has been acquired through funds that come directly through the university's funds (internal research grants, university research funds) will belong solely to the University and will be used by the faculty and research personnel's affiliated department or lab, according to the affiliation used by said faculty and research personnel in the funded research proposal and/or project. The faculty and research member is entitled to use the equipment throughout the duration of the funded project and this remains within the research unit/laboratory once the project is completed, or within the faculty member's department, under his/her direct supervision if s/he does not belong to a unit / lab. Any required maintenance of the equipment should be undertaken by the University.

8.2 Equipment purchased through external funding

Equipment (software and hardware) is often provided in full or partly in the budget of proposals for external funding to enable the faculty and research member to carry out research effectively. This kind of equipment (computers, projectors, software programmes, fax and printing machines, etc.) is the property of the University but remains in the faculty or research personnel's research unit/laboratory or when this is not applicable in his/her department, under his/her supervision. The faculty member is entitled to use the equipment throughout the duration of the externally funded project. When faculty or research personnel who have had externally funded research projects leave the University, the status of any equipment purchased remains a property of the unit/lab or department that the faculty or research personnel belonged.

Any required maintenance of the equipment should again be undertaken by the University.

In the unlikely event that a faculty or research personnel obtains equipment via external funding that is not processed through the University's budget, the status of the equipment should be negotiated with the Vice Rector to determine ownership and responsibility for repair and replacement. Faculty or research personnel are encouraged to seek outside funding to upgrade, or replace their research equipment.

The Research Office is committed to working with faculty or research personnel to develop proposals for research and teaching equipment. Equipment grants usually require an institutional match, and faculty or research members are advised to consult with the Research Office and the Director of MIS early in the process about this matter. The MIS should be able to help faculty or research personnel to identify the best hardware and software products and estimate costs for proposal budgets.

8.3 Provision of computing equipment by MIS

The MIS department supplies desktop office computers, computer teaching labs, copy and printing machines and other types of equipment needed for research (software and hardware). The Director of the MIS department is responsible for keeping the University's inventory records and adjust these in the case of equipment purchases or wearing out of equipment (being fully depreciated).

9. Policy on Research Staff

9.1 Introduction

Academic Research Staff are EUC contract employees hired to work on EUC research activities as defined below. As EUC employees, Academic Research Staff are subject to all policies and procedures related to EUC employment, and receive all benefits implied by the employment law.

9.2 Definitions of Roles

The following positions for research staff are being described in the following sections:

- Research Associate
- Research Fellow
- Senior Research Fellow
- Honorary Research Staff

9.2.1 Job Description for the Position of Research Associate

9.2.1.1 Overall Role

For researchers who are educated to first degree level (and Master's degree) and who possess sufficient breadth or depth of knowledge in the discipline of research methods and techniques to work within their own area. Role holders who gain their doctorate during the course of employment will normally be recommended for promotion to Research Fellow, if this is appropriate for the duties and responsibilities of the post.

As a team member of the Research Laboratory/Programme the Research Associate will contribute quality research outputs and conceptual support to projects. With the guidance of the supervisor/programme leader, and within the bounds of the Research Laboratory/Programme mandate, the Research Associate will:

9.2.1.2 Key Responsibilities

- Conceptualize and conduct short-term experiments and research activities in support of broadbased/longitudinal research projects, ensuring consistency with established methodological approaches and models, adherence to project timelines, and completeness of documentation;
- Conduct studies of related literature and research to support the design and implementation of projects and development of reports, ensuring conceptual relevance, comprehensiveness, and currency of information;
- Write and publish articles in peer-reviewed journals that highlight findings from research and experimental activities ensuring consistency with the highest standards of academic publication and showcasing the Centre's/Programme's scientific leadership;
- Communicate to Programme/Project team developments/progress and results of research activities ensuring that relevant information and issues in the implementation of projects/experiments are captured in as comprehensive and timely manner as possible;
- Develop collaborative links with core scientific personnel in related programme areas to gain exposure to, and build knowledge on experimental/research activities and approaches, in order to subsequently improve conceptual development and implementation of existing programmes;

- Utilize appropriate and current techniques/protocols in experimental laboratory management to ensure integrity and security of experimental process, comprehensive documentation, and replicability of experimental procedures;
- Design and organize databases along project frameworks and experimental research design that support overall research management, including the monitoring and evaluation of project inputs, actions, and outcomes, as well as the subsequent integration of these databases to other databanks;
- Identify areas of improvement within the research structure using integrated management approaches in pursuit of capacity building/strengthening and the preservation of scientific rigor in research studies.
- To contribute to the design of a range of experiments/fieldwork/research methodologies in relation to the specific project that they are working on
- To set up and run experiments/fieldwork in consultation with the Principal Investigator, ensuring that the experiments/fieldwork are appropriately supervised and supported. To record, analyse and write up the results of these experiments/fieldwork.
- To prepare and present findings of research activity to colleagues for review purposes.
- To contribute to the drafting and submitting of papers to appropriate peer reviewed journals.
- To prepare progress reports on research for funding bodies when required.
- To contribute to the preparation and drafting of research bids and proposals.
- To contribute to the overall activities of the research team and department as required.
- To analyse and interpret the results of their own research

9.2.1.3 Skills and Qualifications

Education: Level Bachelor and/or Master's in the Programme Area

Experience and Skills:

Basic research skills and knowledge of research techniques

Ability to analyse and write up data

Ability to present and communicate research results effectively to a range of audiences

9.2.1.4 EUC Pertaining Benefits

Researchers will have access to facilities which are necessary and appropriate for the performance of their duties.

- Desk, Telephone line and PC

- MS Office, SPSS, Email and Printing Rights

- Business Cards with the University Emblem and the Research Laboratory they belong to

- Full access to the library

All researchers must receive the same forms of employment documentation as other academic-related staff of the University:

- a formal contract signed by the relevant appointing authority;
- written confirmation of any changes in the terms of employment;
- job description or the generic description of the role and, where appropriate, a list of expected research goals;
- further to the completion of the contract, researchers are responsible for returning in good condition all the equipment as well as business cards that have been provided to them

9.2.2 Job Description for the Position of Research Fellow

9.2.2.1 Overall Role

A Research Fellow is a researcher with some research experience and who has typically been awarded a doctoral degree. A Research Fellow will often have supervisory responsibilities for more junior researchers and will often lead a team of researchers to achieve a research project's aims. They will initiate, develop, design and be responsible for the delivery of a programme of high quality research and may have full authority over several phases of project work.

9.2.2.2 Key Responsibilities

- Design, Conceptualize and conduct short-term experiments and research activities in support of broadbased/longitudinal research projects, ensuring consistency with established methodological approaches and models, adherence to project timelines, and completeness of documentation;
- Supervise and Conduct studies of related literature and research to support the design and implementation of projects and development of reports, ensuring conceptual relevance, comprehensiveness, and currency of information;
- Write and publish articles in peer-reviewed journals that highlight findings from research and experimental activities ensuring consistency with the highest standards of academic publication and showcasing the Centre's/Programme's scientific leadership;
- Take the lead within the team and communicate to Programme/Project team developments/progress and results of research activities ensuring that relevant information and issues in the implementation of projects/experiments are captured in as comprehensive and timely manner as possible;
- Develop collaborative links with core scientific personnel in related programme areas to gain exposure to, and build knowledge on experimental/research activities and approaches, in order to subsequently improve conceptual development and implementation of existing programmes;
- Utilize appropriate and current techniques/protocols in experimental laboratory management to ensure integrity and security of experimental process, comprehensive documentation, and replicability of experimental procedures;

- Design and organize databases along project frameworks and experimental research design that support overall research management, including the monitoring and evaluation of project inputs, actions, and outcomes, as well as the subsequent integration of these databases to other databanks;
- Identify areas of improvement within the research structure using integrated management approaches in pursuit of capacity building/strengthening and the preservation of scientific rigor in research studies.
- Develop research objectives, projects and proposals.
- Conduct individual or collaborative research projects.
- Identify sources of funding and contribute to the process of securing funds.
- Act as principal investigator on research projects.
- Manage and lead a team of researchers to achieve the aims of a research project.
- Oversee and appropriately supervise and support the research activities (experiments, fieldwork etc.) of a research programme/project.
- Ensure that research results are recorded, analysed and written up in a timely fashion.
- Manage research grants in accordance with EUC Financial Regulations and the conditions of the funding body (e.g. EU, RPF etc.)
- Prepare and present findings of research activity to colleagues for review purposes.
- Submit papers to relevant peer reviewed journals and attend and present findings at relevant conferences.
- Prepare progress reports on research for funding bodies when required
- Participate in and develop external networks, for example to identify sources of funding or to build relationships for future research activities

9.2.2.3 Skills and Qualifications

Education: Level PhD in the Programme Area

Experience: at least 1-3 years relevant experience.

The candidate must possess sufficient specialist knowledge in the specific discipline to develop research programmes and methodologies.

9.2.2.4 EUC Pertaining Benefits

Researchers will have access to facilities which are necessary and appropriate for the performance of their duties.

- Desk, Telephone line and PC
- MS Office, SPSS, Email and Printing Rights
- Business Cards with the University Emblem and the Research Laboratory they belong to
- Full access to the library

All researchers must receive the same forms of employment documentation as other academic-related staff of the University:

- a formal contract signed by the relevant appointing authority;
- written confirmation of any changes in the terms of employment;
- job description or the generic description of the role and, where appropriate, a list of expected research goals;
- further to the completion of the contract, researchers are responsible for returning in good condition all the equipment as well as business cards that have been provided to them

9.2.3 Job Description for the Position of Senior Research Fellow

9.2.3.1 Overall Role

A Senior Research Fellow is an experienced researcher holding a leadership role in a research group/centre/institute. Post-holders are expected to undertake the role of Principal Investigator on major research projects, exhibit a strong reputation for independent research, and provide academic leadership. They are also expected to support the management activity of the relevant School/Research Centre, and contribute to the delivery of the School's/ Centre's/Laboratory's research strategy.

9.2.3.2 Key Responsibilities

- Supervise postgraduate research students
- Contribute to the development of research strategies for the relevant School/Centre/Laboratory.
- Define research objectives and questions
- Develop proposals for research projects which will make a significant impact by leading to an increase in knowledge and understanding
- Actively seek research funding and secure it as far as it is reasonably possible
- Generate new research approaches
- Review and synthesise the outcomes of research studies
- Interpret findings obtained from research projects and develop new insights
- Contribute generally to the development of thought and practice in the field
- Provide academic leadership to those working within research areas - for example, by co-ordinating the work of others to ensure that research projects are delivered effectively and to time
- Contribute to the development of teams and individuals through the appraisal system and providing advice on personal development
- Act as line manager (e.g. of research teams)
- Act as a personal mentor to peers and colleagues
- Provide advice on issues such as ensuring the appropriate balance of research projects, appointment of researchers and other performance related issues
- Identify opportunities for strategic development of new projects or other areas of research activity and contribute to the development of such ideas

9.2.3.3 Skills and Qualifications

Education: Level PhD in the Programme Area

Experience: at least 7-10 years relevant experience. Significant post-qualification research experience with a track record of high-quality publications.

Experience of successful supervision of students

Experience in a leadership role in a Research Group/Centre or Laboratory

9.2.3.4 EUC Pertaining Benefits

Researchers will have access to facilities which are necessary and appropriate for the performance of their duties.

- Desk, Telephone line and PC
- MS Office, SPSS, Email and Printing Rights
- Business Cards with the University Emblem and the Research Laboratory they belong to
- Full access to the library

All researchers must receive the same forms of employment documentation as other academic-related staff of the University:

- a formal contract signed by the relevant appointing authority;
- written confirmation of any changes in the terms of employment;
- job description or the generic description of the role and, where appropriate, a list of expected research goals;
- further to the completion of the contract, researchers are responsible for returning in good condition all the equipment as well as business cards that have been provided to them

9.3 Procedures for Appointment

9.3.1 Selection and Search Procedures

As a general rule, an appointment to the Academic Research Staff requires a search for a suitable candidate. Searches are initiated with a written vacancy announcement, such as in relevant professional journals or other publications.

The text for the announcement should be sent to the Office of the Vice Rector of Research and External Affairs and the Office of the Director of Human Resources, clearly describing the terms of employment, length of employment, identity and duration of funding sources contributing to his or her salary and line manager (the person the researcher will be reporting to). The text should be advertised for a reasonable amount of time. A copy of a current CV, a cover letter and at least one recommendation should be sought for. A short list of the potential candidates will be created based

on merit and the top part of the list will be called for a structured interview with the line manager. At the end of the procedure, the line manager will report back to the Office of the Vice Rector of Research and External Affairs and the Office of the Director of Human Resources, the name(s) of the proposed Researcher.

9.3.2 Criteria for the Appointment to Rank of Research Associate

Minimum qualifications as described in Section 9.2.1.

9.3.3 Criteria and Procedures for the Promotion to the Rank of Research Fellow

A Research Associate may, during the course of his/her appointment obtain, his/her PhD. In such cases, the employee (provided that he/she fulfills the work experience as described in Section 9.2.2) is promoted to the rank of Research Fellow. If the funding source that sponsors the program the researcher is assigned to accounts for a pay rise this is immediately applied.

9.4 Honorary Research Staff

The work of Research Centers is enhanced by the involvement and collaboration in the Research Centers' activities of personnel who are not employees of the University. To recognise the association, EUC may confer an honorary title to such individuals during the period of their association. An honorary title may not be conferred on an employee of EUC.

The title to be conferred will depend on the level of distinction and qualification of the candidate. Applications should come from the Dean of the School with:

- a copy of the person's CV
- a citation that should include:
 - a description of contributions to teaching
 - research being undertaken with academic staff as evidenced by joint publications/research projects and research grants or contracts being held jointly or a significant involvement in industry/academic joint activities within the College
 - rationale for offering the association
 - the start date and end date of the association

Honorary titles are intended to recognise ongoing attachments and are awarded for a fixed term, normally up to three years in the first instance. No monetary honorarium is associated with the offer.

The honorary research titles that can be awarded are:

9.4.1 Honorary Principal Research Fellow

Will have made an outstanding contribution to teaching and research

9.4.2 Honorary Senior Research Fellow

Extensive research experience required, the quality of which is determined by refereed publications, invitations to speak at conferences, hold an established national reputation and a known or developing international reputation. Have the ability to attract significant external research funding. Will usually lead a team of other research staff, possibly drawn from several disciplines

9.4.3 Honorary Research Fellow

Proven ability of high quality research, evidenced by authorship of a range of publications. Capable of attracting external research funding. May be required to undertake project management and/or supervise teams and other research staff; expected to provide expert advice and guidance to others

9.4.4 Honorary Research Associate

Required to produce independent original research and to take initiatives in planning of research.

9.5 Intellectual Property Rights

All IP generated throughout the employment of an Academic Research Staff Member belongs to EUC. In such cases that the Researcher is employed in a project that assigns explicit IP rights (e.g. an EU funded project) then the rules as set out by the funding agency are followed.

Honorary Research Staff may be required to assign the rights to any IP they create in the course of their academic activities to EUC. EUC may have obligations to organisations which are funding the research (e.g. an EU funded project) in question which it will not be able to honour without such an assignment of rights being in place. Associates are treated as if they were EUC Employees for the purposes of revenue sharing.

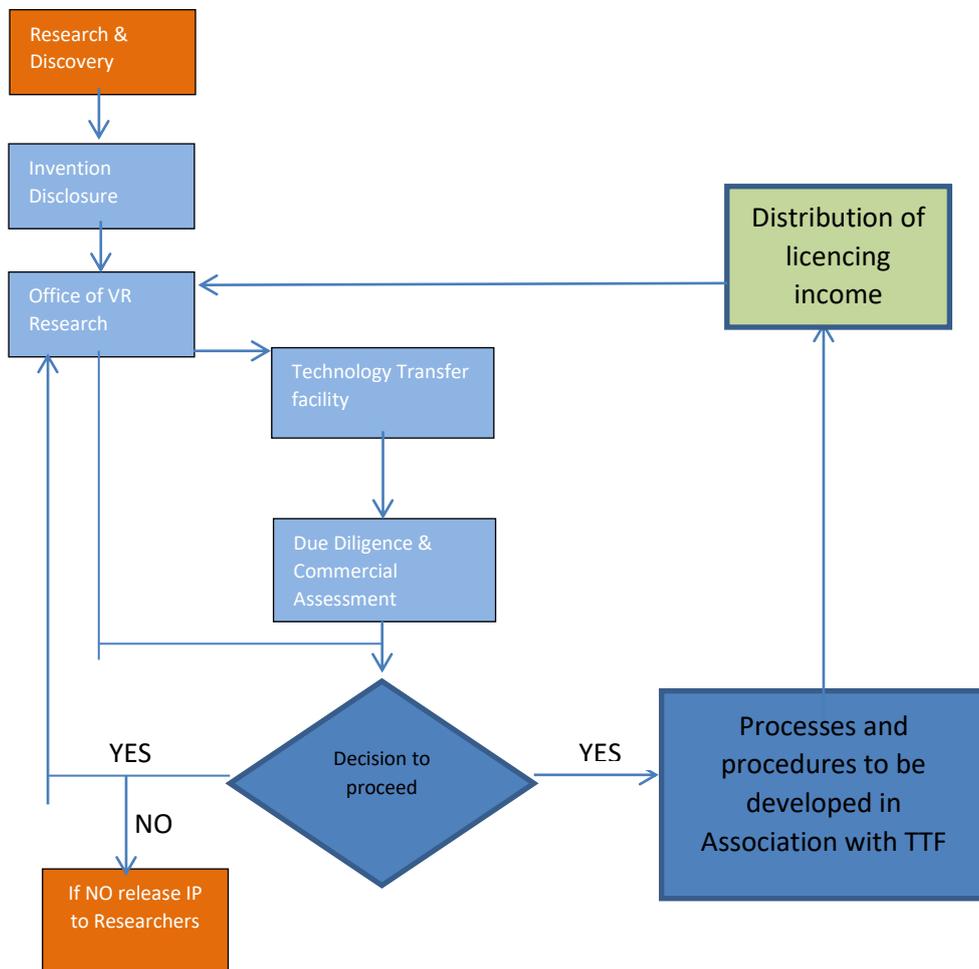
9.6 Involvement of Research Staff

Wherever possible, Academic Research staff should be encouraged to take part in university decision making processes, for example by inclusion in relevant departmental committees. Where

appropriate, researchers should be included at University level, for example as representatives in working groups and staff consultation exercises.

Appendix A:

A Technology Transfer Process Map – to be completed when the TTF has been established.



Appendix B:

Invention Disclosure Guidelines

Invention Disclosure Form - Example

An Invention Disclosure Form (IDF) is designed to determine the basic facts relating to an invention, design, or copyright material. It is a way of capturing an invention and establishing who the inventors are, what the invention is, who is funding it, what the anticipated product/ market is and initiate Intellectual Property (IP) due diligence. Information on the following aspects of an invention should be included in an Invention Disclosure Form.

1. Descriptive Title of the Invention.
2. Who was involved? Please specify for each individual who contributed, invented or authored (if software):
 - a. Their names and if any are foreign nationals;
 - b. Who their employer is; are any contracts or arrangements in place?
 - c. What they contributed to the development of the technology (e.g. came up with the original idea; designed experiments; carried out experimental work; wrote code)
3. Detail of your invention:
 - a. What do you think your invention is?
 - b. What will your invention be used for?
 - c. What are the advantages of your invention and how does it improve on the present situation?
 - d. What is new about your invention?
 - e. How and why does it work? What is the science behind the invention
 - f. Are there any other uses of the invention?
4. Interest from external organisations and their details.
5. Information on published literature (including patents) relevant to your invention?
6. When and where the invention was first conceived?
7. What are your future plans for developing the technology?
8. Who have you told about the invention, when and where?
9. When did you first describe the invention in writing or electronically?
10. Publications, abstracts, conferences to date.
11. Publication and conference plans.
12. Funding information (comprehensive), e.g including third party support, Material Sales or Transfers, patient consents.

For inventions that include software, please provide the following additional information.
13. Application name and version number.
14. For source code developed by the researchers identified in question 2 above, include: source files used, programming languages, development tools, copyright protection in source code.
15. For new versions, include: source files changed, added or removed since the previous version, documentation required for others to use, if the source files have been distributed outside the

university, and in what form, and are the source files available as a web-download – inc. URL and terms under which the download is available.

16. For other source files or libraries that are required to build the software application (external software), list the following: all external software required to use the application; who owns that software, how was the software obtained, licence terms or FOSS – name of the licence.

Appendix C:

Suggested Revenue Sharing Scheme

The EUC will share royalty income with employees and/or students involved in producing Disclosable Work whose exploitation generates revenue for the EUC. Payments are made at the Organisation's sole discretion, but the EUC will normally share royalty income in accordance with the table below. This may be either as a lump sum or as royalty income over a period of time.

Table C1

| Net Revenue | Allocated to the Creator/s | Allocated to the EUC Central Budget | Allocated to the Creator's School of Study or Department Budget | Allocated to Support the TTF |
|--------------------|-----------------------------------|--|--|-------------------------------------|
| 100% | 50% | 20% | 20% | 10% |

Appendix D

D1. Points accumulation from Research

Table D1 details the evaluation categories which will be used for the calculation of research points allocated to EUC researchers. The table has been constructed taking into account the following:

1. The points awarded are based on the evaluation of research accomplishments, not on the estimation / calculation of hours spent during the implementation of a research activity.
2. A research accomplishment is any research-related activity which strengthens the research portfolio and enhances the research esteem of a researcher in particular, and the EUC in general
3. It is apparent that specific research accomplishments cannot be evaluated in a similar manner across the range of research disciplines. Therefore, the following table is implicitly “averaging” the weight of these accomplishments, so that the scheme can be operational and fair.
4. The term “national”, when used in association with a conference, refers to one which is local in nature (i.e. only researchers from Cypriot Universities and other Cypriot research establishments participated in it).
5. The term “international”, when used in association with a conference, refers to one which is international in nature (i.e. researchers from Universities and other research establishments from at least two countries participated in it).
6. The term “national”, when used in association with a publication refers to one published by a Cypriot university or other Cypriot academic publishing house.
7. The term “international”, when used in association with a publication refers to one published by an international university or other international academic publishing house.

Where a publication of any type (conference, journal, book chapter, monograph, textbook, book, or other) concerns two or more authors, the following points' calculation rules will apply: For cases up to (and including) two (2) authors, full points are awarded to the author in consideration. For each additional co-author (three (3) authors or more), a deduction of 2 points will be implemented on the full points' allocation for the category considered. The minimum points that an author will be awarded cannot be smaller than 50% of the full points' allocation for the category considered.

Table D1

| Points | Conferences | Journals | Books | Research Projects | Other* |
|--------|---|--|---|---|--|
| 5 | <p>1. Presentation of poster / article in national conference (refereed)</p> <p>2. Presentation as invited keynote speaker (refereed national conference)</p> | | | <p>1. Unsuccessful submission of funded research proposal in national / international organization (research partner)</p> | <p>Member of scientific / conference organizing committee (national / international)</p> |
| 10 | <p>1. Presentation of refereed poster / article in international conference (refereed)</p> <p>2. Presentation as invited keynote speaker (refereed international conference)</p> <p>3. Editor of national conference proceedings (refereed)</p> | <p>1. Publication of refereed journal article (journal not in ISI / Scopus / ACM / IEEE/etc.)</p> <p>2. Editor of refereed journal special issue (journal not in ISI / Scopus / ACM / IEEE/etc.)</p> | <p>Publication of refereed book chapter (national)</p> | <p>1. Unsuccessful submission of funded research proposal in national organisation (project coordinator)</p> | <p>General Chair or Program Chair of refereed national conference</p> |
| 15 | <p>1. Editor of international conference proceedings (refereed)</p> | | <p>Publication of refereed book chapter (international)</p> | <p>1. Unsuccessful submission of funded research proposal in international organization (project coordinator)</p> | <p>General Chair or Program Chair of refereed international conference</p> |

Table D1 (continues)

| Points | Conferences | Journals | Book Chapters / Editors | Research Projects | Other* |
|--------|-------------|---|---------------------------------------|-------------------|--------|
| 20 | | 1. Editor of refereed journal special issue (journal in ISI / Scopus / ACM / IEEE/etc.) | Editor of refereed book / book series | | |
| 25 | | 1. Publication of refereed journal article (journal in ISI / Scopus / ACM / IEEE/etc.) | | | |

* For these categories only 50% of the points will be accumulated

D2. Points accumulation from Research / Department of Arts

Due to the nature of the research conducted in the Department of Arts, Table D2 has been produced to address the research output of the Department. For all other research outputs such as journal papers, conferences, books, etc. the European University Cyprus' "Points' accumulation" table given in section D1 must be followed.

Table D2

| Points | Other | | | | |
|--------|--|---|--|--|---|
| | Performance /Exhibition (Artist) | | Creative works | | Workshop/Seminars/Festivals /Competitions/ Broadcasts/Residencies |
| | Music | Graphic Design | Music | Graphic Design | |
| 5 | Performance - National level (partial performance) | Participation in local group exhibition | Composition for up to 4 musicians | | <ul style="list-style-type: none"> National Performance or Broadcast of a composition/arrangement Adjudication of Competition Invited workshop / art lecture in national conference/festival |
| 10 | Performance - International level (partial performance) | Participation in international group exhibition | Composition from 5-10 musicians | Publication design (national/international) - booklets covers | <ul style="list-style-type: none"> International Performance or Broadcast of a composition/arrangement Competition Finalist Invited workshop / art lecture in international conference/festival Invited Artist (Workshop) |
| 15 | Performance - National level (entire concert) Performance with Large Ensemble | Editor of exhibition catalogue (national/international) | Composition for 10 musicians and above | Publication design (international) - books and exhibition catalogues | <ul style="list-style-type: none"> Competition Winner Invited Artist (Festival – duration more than three days) |
| 20 | Performer – International level (entire concert) | Participation in national solo exhibition | Composition for Symphonic Orchestra | Commissioned work by government/museum/ | Participation in funded international residency |

| | | | | | |
|----|--|--|--|-------------------------------|--|
| | | | | other cultural institution | |
| 25 | | Participation in international solo exhibition | Publication of a composition (Score/CD) by an International Music Publishing House | | |

Appendix F: Questionnaire “Student Feedback on Their Learning Experience” (Distance Learning Programs of Study)

Questionnaire

“STUDENT FEEDBACK ON THEIR LEARNING EXPERIENCE”

(Distance Learning Programs of Study)

Dear Students,

The main goal of European University Cyprus is to offer quality academic programs tailored to your needs so that we meet all conditions for acquiring the necessary knowledge and skills, as set out in each program. In this context, we ask for your help and cooperation in evaluating your whole experience in relation to the course you are taking during the current academic semester.

Completing this confidential questionnaire is very important as it gathers useful information for the best possible course design and delivery. Of particular value are the comments that you can include in the questionnaire. Therefore, please take a few minutes to answer the open-ended questions as well.

It takes no more than 10-15 minutes to complete the questionnaire.

Thank you for your participation.

Please indicate your opinion by ticking (✓) the relevant box:

A. To what extent do the following statements apply to you on a scale of 0 to 10 (0= Does Not Apply at All and 10= Applies Completely)?

| | 0 = Does Not Apply at All | | | | 10 = Applies Completely |
|---|---------------------------|--|--|--|-------------------------|
| 1. The instructor clearly explains the course outline at the beginning of the course (e.g. learning outcomes, weekly material, examinations, grading) | | | | | |
| 2. The instructor prepares and organizes the class material in a way that facilitates learning | | | | | |
| 3. The instructor teaches the course material/content in a clear way | | | | | |
| 4. The instructor is prepared for each teleconference | | | | | |
| 5. The instructor seems to enjoy conducting the teleconferences | | | | | |
| 6. The course learning outcomes and objectives (as stated in the course outline) are met | | | | | |
| 7. The course textbook and reading material (books, articles, handouts) are useful | | | | | |
| 8. The instructor uses a variety of teaching tools and means (e.g. notes, PowerPoint, group discussions, student presentations, case studies, etc.) to support the learning process | | | | | |

| | | | | | |
|--|----------------------------------|--|--|--|--------------------------------|
| 9. The teaching means are suitable, useful, supportive, and up-to-date | | | | | |
| 10. The activities I participated in were suitable in meeting the course objectives | | | | | |
| 11. The instructor encourages students to ask questions and participate in discussion | | | | | |
| 12. The assignments I completed were suitable for the course objectives | | | | | |
| 13. The feedback provided by the instructor (e.g. corrections, comments, etc.) is constructive and helps me to improve my learning process | | | | | |
| 14. The instructor gives timely feedback (within two weeks) for all assessed coursework (assignments, presentations, etc.) | | | | | |
| 15. The instructor is available and willing to support students (e.g. via email, during office hours, or other means of communication) | | | | | |
| 16. The assessment of course assignments and activities is conducted by the instructor in an objective manner | | | | | |
| 17. The teleconferences helped me to better comprehend the course content | | | | | |
| 18. The teleconferences begin on time | | | | | |
| 19. The teleconferences are video recorded | | | | | |
| 20. In the last teleconference, the instructor informed students about matters related to the final exam | | | | | |
| 21. I would take classes from this instructor again | | | | | |
| B. To what extent do the following statements apply to you on a scale of 0 to 10 (0= Does not Apply at All and 10= Applies Completely)? | | | | | |
| | 0 = Does Not Apply at All | | | | 10 = Applies Completely |
| 1. The course content meets my expectations | | | | | |
| 2. The course contributed to the development of my ability to think critically | | | | | |
| 3. The course provides guidance on how I can develop professional competencies | | | | | |
| 4. The course helped me develop abilities and skills related to my program of study and/or my broader education | | | | | |

C. Please respond to the following open-ended questions:

1. Write down one or two positive characteristics of the course
2. Suggest one or two changes for the improvement of the specific course
3. Write down one or two positive characteristics of the instructor of this course
4. Suggest one or two ways that the instructor of this course can improve his/her teaching
5. General comments-suggestions-observations (here you can mention anything you consider important about the course that, in your opinion, the questionnaire does not sufficiently cover)

D. Please note down a number or a tick (✓) when answering the following questions:

1. Give the average weekly study time (in hours) that you devoted to this course:
2. Give (approximately) the number of times you visit the course page:
 - Every day
 - 1-3 times per week
 - 1-3 times per month
 - 1-3 times per semester
3. Give the approximate study time (in hours) that you devoted or you will devote to preparing for the final exam of this course:

E. To what extent do the following statements apply to you on a scale of 0 to 10 (0= Does not Apply at All and 10= Applies Completely)?

| | 0 = Does Not Apply | | | | 10 = Applies Completely |
|---|-----------------------|--|--|--|-------------------------------|
| 1. I am satisfied with the operation of the Blackboard learning platform | | | | | |
| 2. I am satisfied with the tools of the Blackboard learning platform | | | | | |
| 3. I am satisfied with the teleconferencing system Blackboard Collaborate | | | | | |

F. To what extent do the following statements apply to you on a scale of 0 to 10 (0= Does not Apply at All and 10= Applies Completely)? OR tick (✓) the last column in case it did not apply to you.

| | | | | | | I DID NOT NEED TO COMMUNICATE WITH |
|---|--|--|--|--|--|---------------------------------------|
| 1. I am satisfied with my communication with the administrative personnel at the Distance Learning Unit of European University Cyprus | | | | | | |
| 2. I am satisfied with my communication with the course coordinator of my program of studies | | | | | | |
| 3. I am satisfied with my communication with my Student Advisor | | | | | | |
| 4. I am satisfied with the support that I receive from the MIS department (IT Support) of the University | | | | | | |