



Intelligent Photonics for Security Reliability Sustainability & Safety

ERASMUS MUNDUS JOINT MASTER

iPSRS: INTELLIGENT PHOTONICS FOR SECURITY, RELIABILITY, SUSTAINABILITY AND SAFETY

STUDENT AGREEMENT

Governing the roles and obligations of the student and the Coordinating Institution University Jean Monnet and the other Full Partners, duly represented by the Coordinating Institution by virtue of the mandates included in the Partnership Agreement during the period of Programme edition 2024-2026

STUDENT ID

FAMILY NAME

[as it appears on student passport]

GIVEN NAME/S

[as it appears on student passport]

PASSPORT #

FULL PERMANENT ADDRESS

[address of the student in home country]

EMAIL

[personal email]

COUNTRY OF CITIZENSHIP

[citizenship chosen during application in case the student hold dual citizenship]

STATUS

DATE OF BIRTH

SCHOLARSHIP

E+ JMD SCHOLARSHIP HOLDER

CONSORTIUM SCHOLARSHIP HOLDER

SELF-FINANCED

STUDENT AGREEMENT

2024-2026 iPSRS0

CONTENTS

Section I. Purpose & Scope	7
Article I.1. Purpose	7
Article I.2. Entire agreement	7
Article I.3. Effective date and validity terms	7
Article I.4. Amendment	7
Article I.5. Termination	7
Article I.6. Appeal procedure and dispute resolution	7
Section II. Consortium Roles and Obligations	8
Article II.1. Scope	8
Article II.2. Academic description of the programme	8
II.2.1. Programme name	8
II.2.2. ECTS awarded	8
II.2.3. Programme objectives	8
II.2.4. Learning Outcomes at Programme level-KPIs	8
II.2.5. Student eligibility and selection process	9
II.2.6. Number of students per edition	9
II.2.7. Official language	9
II.2.8.1. Unit module sequence and Programme's milestones	9
II.2.8.2. Curriculum 2024-2026 edition	10
II.2.8.3. Core teaching modules	11
II.2.8.4. Optional Units	11
II.2.8.5. Summer internship	11
II.2.8.6. Master Thesis	11
II.2.8.6.1. Master Thesis selection	11
II.2.8.6.2. Master Thesis implementation	11
II.2.8.6.3. Master Thesis defense	11
II.2.8.7. iPSRS day	12
II.2.8.8. Curriculum management	12
II.2.8.9. Schedule	12
II.2.9. Academic tutorship	12
II.2.10. Mandatory mobility component	12
II.2.11. Grading policy	12
II.2.11.1. Mutual recognition and 'jointness'	12
II.2.11.2. Common grading scale guidelines and correspondence	12
II.2.11.3. Rounding rule to determine alphabetical grade from numerical marks	13
II.2.11.4. Averaging rule to determine final averaged grade (and honours when applicable to national degree award)	13
II.2.11.5. Grading rules	13
II.2.11.6. Second session examination	13
II.2.11.6.1. In case of failed course (F or FX)	13
II.2.11.6.2. In case of validated unit (at least E)	13
II.2.11.7. Graduation rules	13
II.2.11.8. Student record	14
II.2.11.9. Fraud / plagiarism	14
II.2.12. Joint recognition mechanisms and degrees awarded	14
II.2.12.1. Joint recognition	14
II.2.12.2. Degrees awarded	14
II.2.13. Diploma supplement	15
II.2.14. Diploma and diploma supplement delivery	15

II.2.14.1. Legal framework for French diploma award	15
II.2.14.2. Cases when the Student must register in PhD school	15
II.2.14.3. Timeline for diploma edition and delivery	15
II.2.14.4. Collecting the diploma/s in Saint Etienne	15
II.2.14.4. Mailing delivery of diploma/s	15
II.2.15. Local Academic Coordinator contacts	15
Article II.3. Student’s affairs and administrative services	15
II.3.1. Effective enrolment	15
II.3.2. Administrative enrolment in universities acting as Full Partners	15
II.3.3. Administrative coordination	16
II.3.4. Administrative services at Coordinating Institution level	16
II.3.4.1. Housing services	16
II.3.4.2. Banking services	16
II.3.5. Administrative services at Hosting Institution level	16
II.3.6. Women’s empowerment	17
II.3.7. Student with special needs	17
II.3.8. Local Administrative Coordinators contacts	17
II.3.9. Intellectual Property Rights management	17
II.3.10. Protection of personal data	17
II.3.11. Use of Student’s pictures	17
Section III. Student Roles and Obligations	17
Article III.1. Student Engagement	17
Article III.2. Ethics	18
Article III.3. Attendance	18
III.3.1. General provisions	18
III.3.2. Justified cases of extended leave	18
III.3.3. Withdraw of the Programme	18
Article III.4. Student and Alumni active involvement in the Consortium governing bodies	18
III.4.1. Students Delegates roles	18
III.4.2. Alumni Delegate roles	18
III.4.3. Student roles in Consortium’s Quality Policy	18
Article III.5. Visibility and marketing of the Programme	19
III.5.1. Obligations regarding use of Programme’s marketing materials	19
III.5.2. Obligations regarding communication with Consortium’s financial and technical partners	19
III.5.3. Student’s participation to the Programme marketing	19
Article III.6. Students associations	19
Section IV. Financial Arrangements	19
Article IV.1. Student interlocutor for financial matters	19
Article IV.2. Participation Costs	19
IV.2.1. Participations Costs amount and payment method	19
IV.2.2. Services included in Participation Costs	19
IV.2.3. Budgeting	19
Article IV.3. Scholarships	19
IV.3.1. Scholarships holder selection	19
IV.3.1.1. EMJM scholarships	19
IV.3.1.2. IPSRs scholarships	20
IV.3.1.3. Fee-waiver	20
IV.3.1.4. Management of scholarships attribution during edition selection	20
IV.3.2. Scholarships grants management	20

IV.3.2.1. Amount granted	20
IV.3.2.1.1. EMJM scholarships	20
IV.3.2.1.2. PSRS scholarships	20
IV.3.2.1.3. Fee-waiver	20
IV.3.2.2. Scholarship disbursement	20
IV.3.2.2.1. EMJM scholarships	20
IV.3.2.2.2. iPSRS scholarships	20
IV.3.2.2.3. Fee-waiver	20

By & between

University Jean Monnet Saint-Etienne
10, Rue Tréfilerie -CS 82301
42023 Saint-Etienne Cedex 2,
FRANCE
(Hereinafter referred to as the "*Coordinating Institution*")

University of Paris-Est Créteil
61 avenue du Général de Gaulle
94010 Créteil Cedex
FRANCE
(Hereinafter referred to as "*Full Partner*")

University of Eastern Finland
P. O. Box 111, FI-80101 Joensuu,
FINLAND
(Hereinafter referred to as "*Full Partner*")

Vilniaus Universitetas
3, Universiteto St
01513 VILNIUS
LITHUANIA
(Hereinafter referred to as "*Full Partner*")

(Hereinafter referred collectively to as "*Full Partners*", or "*Hosting Institutions*")

And

Academic Associated Partners and Industrial Associated Partners
(Hereinafter referred collectively to as the "*Consortium*")

duly represented by the *Coordinating Institution* by virtue of the mandates for the signature of a *Partnership Agreement* where a provision applies without distinction between the *Coordinating Institution* or another *Full Partner*

of the one part, and

Student
(Hereinafter referred to as "*the Student*")

WHEREAS:

- A. The *Student* has been successfully selected to the 2024-2026 edition of the *Programme* by the Selection Committee held on 14th March 2024 in Joensuu.
- B. The *Consortium and the Student* wish to enter into a *Student Agreement* to ensure the proper participation of the *Student* in the *Programme* activities and guarantee adequate transparency of the *Programme* participation rules by defining both the *Consortium* and *Student's* rights and obligations in relation to her/his Master courses studies

Hereby agree to this Student Agreement

Nathalie DESTOUCHES

Academic Coordinator

University Jean Monnet, Saint-Etienne, France
Coordinating Institution

Date

Signature / stamp

Marilyn BEAUCHAUD

Dean of the Faculty of Science and Technology

University Jean Monnet, Saint-Etienne, France
Coordinating Institution

Date

Signature / stamp

Student ,

I declare that I have read this agreement and accept the conditions included herein.

If you are an EMJM student (EMJM scholarship holder)

I certify that I have never been awarded an EMMC (Erasmus Mundus Master Course – Action 1) scholarship prior to application and I acknowledge that I cannot during the period of the *Programme* be beneficiary of a grant for student or staff mobility in the framework of other higher education programmes funded by the European Union budget.

I acknowledge that attribution and reception of the *EMJM scholarship* payments during the period of the *Programme* is subject to fulfillment of academic and linguistic levels of competence expected from me prior and during the *Programme* as per this *Student Agreement*. I notably acknowledge that the *EMJM scholarship* offer may be withdrawn in case I fail the evaluation test assessing my capacity to efficiently follow the *Programme* which will be held during the first month of the *Programme* in accordance with terms laid down in article IV.3.1.5. of the present agreement.

Date

Student signature

The legal basis, taking precedence over this present agreement with regards to financial management of the EMJM scholarships is the English version of Erasmus+ programme guide version 1 - 2024 - valid as of 28.11.2023 – and the Practical Information on Grant Management in the EMJM beneficiaries Space website and are therefore contractually enforceable.

SECTION I. PURPOSE & SCOPE

Article I.1. Purpose

II.1.1. This *Student Agreement* details all essential implementing rules governing the Erasmus+ Joint Master (hereinafter EMJM) iPSRS / Intelligent Photonics for Security, Reliability, Sustainability and Safety / which have a direct impact on the students, in line with:

- (a) the Principles of the European Charter for Higher Education (EICHE),
- (b) the guidelines and good practices (including the English version of Erasmus+ programme guide version 1 - 2024 - valid as of 28.11.2023 –, and the Practical Information on Grant Management in the EMJM beneficiaries Space website) published by the Education, Audiovisual and Culture Executive Agency, entrusted with the implementation of programmes and activities on behalf of the European Commission (hereinafter referred to as the Agency)
- (c) the iPSRS proposal to the Call EAC/A07/2023 (submission number: Call-ERASMUS-EDU2024-PEX-EMJM-MOB-ID: 101180354);
- (d) the EACEA Letter of acceptance (of 11/07/2024) reference number: Call-ERASMUS-EDU2024-PEX-EMJM-MOB-ID: 101180354;
- (e)
- (f) the *Grant agreement to be signed* according to the 101180354 proposal, between the Agency acting under powers delegated by the European Commission and University Jean Monnet Saint Etienne, the *Coordinating Institution*, and the *Full Partners* duly represented by the *Coordinating Institution*;
- (g) the *Administrative and Management Board* kick-off meeting's decisions held on March 14 and 15, 2024 as per minutes recorded and made public, and
- (h) the *Partnership Agreement* which describes the policies, procedures, terms and conditions with respect to offering an integrated European Master Degree iPSRS / Intelligent Photonics for Security, Reliability, Sustainability and Safety / during the period of implementation of the Grant Agreement 2024-2030 including all Annexes, signed by all *Full* and *Associated Partners* of the *Consortium*

II.1.2. This *Student Agreement* must be understood as the “terms of reference” to provide clear guidance on rights and obligations of the *Student* enrolled in the *Programme* and ensure that these rights and obligations are transparent, comprehensive and agreed in mutual consent.

This *Student Agreement* will be implemented within the legal requirements at each *Hosting Institutions*. The English version of this *Student Agreement* is legally binding as English is the working language of the *Consortium* and tuition language of the *Programme*.

Article I.2. Entire agreement

This *Student Agreement* contains the entire agreement between the *Consortium* and the *Student*. This agreement is the primary document establishing the terms governing the participation of the *Student* in the iPSRS EMJM programme, superseding any pre-existing agreement, statement, or promise made on or before the date this *Student Agreement* comes into effect, and prevailing over any subsequent arrangements between the parties, notably the *Internship Agreement* (see below).

During the course of study in iPSRS, the *Student* will do one or more internship(s) which may be conducted within host organisations that are not signatories of the *Student Agreement* nor the *Consortium Agreement*. Therefore, prior to any iPSRS internship, an *Internship agreement* will be drawn out to establish the terms of the internship in the host organisation, signed by the *Student*, the hosting organisation and a *Full Partner* University representing the *Consortium*. The *Student agreement* will have priority over the *Internship agreement* for all issues concerning the iPSRS academic programme.

Article I.3. Effective date and validity terms

The *Student Agreement* shall enter into force on the date of signature and ends the 10/07/2030

Article I.4. Amendment

This *Student Agreement* may be modified by the *Coordinating Institution* representing the *Consortium* while the agreement is in effect, upon prior notification to the *Student* and only by an instrument in writing signed by both parties. Amendment might result from the implementation of a decision taken by the *Academic and Management Board* or the *Quality Assurance Board* or alterations or discovery of error in the initial situation of the *Student*. Upon mutual agreement of contractual amendment, the *Coordinating Institution* will issue an addendum to the present contract.

Article I.5. Termination

I.5.1. In case the *Consortium* should agree during an *Academic and Management Board* to terminate the *Programme*, *Full Partners* are obliged to make arrangement for all *Students* who have commenced the *Programme* to complete their units of study and obtain the diploma in a satisfactory way.

I.5.2. Any *Full Partner* wishing to withdraw but which is hosting *Students* who have commenced a *mobility* (commencing one (1) month before the planned physical arrival of the student) at the time of the *Full Partner* notice of withdrawal must ensure that they are entitled to complete the semester, obtain the credits and diploma at the corresponding hosting institution.

I.5.3. A *Student* may withdraw at any time giving thirty (30) day's written notice to the *Academic Coordinator*, *Local Academic Coordinator* and *Administrative Coordinator*. Financial implications of this withdraw are detailed in Section III. Financial Arrangements. Withdraw of the *Student* leads to the termination of the present agreement, without recourse to any juridical procedure apart from adequate communication to the academic and administrative staff.

I.5.3. The *Academic and Management Board* may decide to exclude a *Student* from the *Programme* for good cause, giving two (2) weeks written notice to the *Student*. Good cause includes *Student's* breach of this agreement, refusal to cooperate or to follow *Academic and Management Board* or *Quality Assurance Board* decisions. Financial implications of this exclusion are detailed in Section IV. Financial Arrangements. Exclusion leads to the termination of the present agreement, without recourse to any juridical procedure apart from adequate communication to the Student.

Article I.6. Appeal procedure and dispute resolution

I.6.1. If a dispute arises out of or relating to any aspect of this *Student Agreement* between the *Consortium* and the *Student*, the *Student* wishing to appeal on the *Academic and Management Board* decision (including but not limited to grading policy and performance outcomes, mobility, graduation, scholarship management and student exclusion), shall be offered the opportunity to draft a settlement letter, using the template provided on the *Programme* website in .pdf format, that must be transmitted to the *Quality Assurance Board* within ten (10) days following the notification of the decision.

I.6.2. The *Quality Assurance Board* may decide or not to ask the *Academic and Management Board* to reassess and reconsider the decision, and to do so before beginning of the following semester or thirty (30) days after the notification of the appeal. The *Student* will be informed of the appeal decision by a written instrument at the very least before the following semester starts or *Programme* ends.

I.6.3. Appeal with regards to the selection process are ruled by article III.4.6. of the *Partnership Agreement*.

I.6.4. Failing agreement by both parts, the French courts are designated as the only competent authorities to resolve any legal dispute between the *Coordinating Institution* and the *Student* emerging from the Contract. The present Contract will be governed by French Law.

SECTION II. CONSORTIUM ROLES AND OBLIGATIONS

Article II.1. Scope

The *Consortium* agrees to:

- (a) undertake to use reasonable endeavours to perform and be responsible for carrying out, promptly, actively and on time, all of its obligations under this *Student Agreement*, the *Consortium Quality Policy* and other obligations derived from the general provisions and special conditions of the *Partnership Agreement*;
- (b) be responsible for complying with any legal obligation incumbent on them jointly or individually;
- (c) ensure the academic delivery and administrative support services and capacity necessary to execute this *Student Agreement* at each hosting institutions to deliver a high-quality scientific Master degree in Intelligent photonics for security, reliability, Sustainability and safety.
- (d) foster *Students* and alumni engagement in the *Consortium* governing bodies.

The *Consortium* shall not subcontract any part of its tasks to any other third party.

Article II.2. Academic description of the programme

II.2.1. Programme name

The *Programme* must be solely referred to any third parties as "iPSRS / Intelligent Photonics for Security, Reliability, Sustainability and Safety". At any time throughout the period of implementation of the *Grant Agreement*, the *Programme* name must be preceded by the mention "Erasmus Mundus Joint Master" or "EMJM" for short.

II.2.2. ECTS awarded

The *Programme* is a 24-month (2 years), full-time Master of Science study programme and is awarded by 120 ECTS.

II.2.3. Programme objectives

Considering the new challenges of the photonics and artificial intelligence markets and the rapid technological changes that drive the creation of disruptive new products and leading-edge competitive equipment, there is a strong need for qualified experts to cope with rapid industry growth. The selected topics of the iPSRS master programme are the ones that create a synergy between all academic and industrial partners of the consortium to make this field of intelligent photonics highly visible and improve the competitiveness of the partners by a virtuous circle involving: - societal challenges, -industrial development, -curiosity and imagination driven academic research, -highly skilled students.

The EMJM iPSRS is proposed to address the growing demand for skilled professionals in the field of intelligent photonics, and to impact different aspects of society:

Security

Photonics can be used to create tamper-proof security features on identification documents through laser processing and can be combined with AI to create automatic readers that can authenticate a document. Photonics can also be used to create secure communication systems with quantum cryptography, and when combined with AI, intelligent surveillance systems that can monitor large areas for threats or create facial recognition systems that can be used to identify individuals with high accuracy. These systems could be used to control access to secure facilities and to identify suspects in criminal investigations. Spectrophotometers can be used to detect drugs and illegal products, which can assist police by automatically classifying products as legal or illegal using AI. Photonics and AI can be combined to create autonomous drones that could be used for surveillance and recognition.

Reliability

Photonics and AI can be used to automate tasks and improve the efficiency and reliability of production processes. This can lead to increased productivity and economic growth. Photonics can also be used to create reliable and durable sensors that can monitor the health of infrastructure, such as bridges and pipelines. Photonics and AI can be combined to create self-healing systems that can detect when they need to be replaced. This can help to reduce the risk of equipment failure and improve the overall performance of critical infrastructure such as bridges. Laser processing surpasses

the reliability of many other high-precision cutting and drilling technologies such as mechanical micromachining, thanks to the clean and accurate processing.

Sustainability

Photonics can be used to develop new, more efficient and sustainable agricultural practices, for instance by using LIDAR monitoring of the fields. AI can be used to collect and analyse data on crop yields, weather patterns, and pests in order to optimise farming decisions. Forestry management can also benefit from such technologies. Photonics devices can be used to generate renewable energy from sunlight with increasingly efficient systems. Photonics and AI can be combined to create intelligent buildings that can optimise their energy consumption. Spectrophotometers and AI can be used to create sensors that automatically classify different recyclable plastics.

Safety

Optical sensors, photonic devices and sources, and AI are key components of the future autonomous vehicles and robots that will transform people's lives and tomorrow's industries. Photonics and AI can provide access to opportunities for all people by providing technical assistance to the disabled, thereby improving their safety and reducing inequality. Photonics can also be used to develop new healthcare technologies that can be delivered to people in remote areas. AI can be used to personalise healthcare services. Photonics can be used to create advanced medical imaging systems that can detect disease earlier and more accurately, hence helping reduce costs. This could lead to improved early diagnosis and treatment of diseases, which could be automated with IA. Photonic and AI can be used to develop new types of virtual reality and augmented reality training systems that could improve safety training for workers in hazardous industries such as construction or chemical manufacturing, for instance by overlaying real-time data and information onto the trainee's field of view. Photonics and AI can be combined to create intelligent systems that can monitor the health (fatigue, stress, or illness) of pilots and astronauts in extreme environments.

II.2.4. Learning Outcomes at Programme level- KPIs

At the end of the Programme, the *Student* should be able to reach all the following:

Key Learning Outcomes

1. Interdisciplinary Expertise

-Graduates will demonstrate a comprehensive understanding and advanced knowledge in the interdisciplinary field of intelligent photonics, integrating photonics with relevant aspects of computer science, physics, and artificial intelligence.

-They will be able to apply their knowledge to solve complex problems in areas such as imaging, data analysis, biometrics, and micro-nanotechnology.

KPI : 100% of students achieve grades above D in the interdisciplinary COIL project in the third semester, showcasing integration of photonics with computer science, physics, and artificial intelligence.

2. Critical Thinking and Problem-Solving Skills:

-The programme underscores the development of critical thinking, problem-solving, and research capabilities, particularly within the context of intelligent photonics and its applications. Nurturing a commitment to lifelong learning.

-Graduates will be able to independently identify, formulate, and solve complex problems using advanced analytical tools and techniques.

KPI : 100% graduates' success rates in independently identifying, formulating, and solving complex problems, measured through completion of the Master thesis dissertation with a grade above D.

3. Global Perspective :

- Graduates will cultivate a global perspective on the development and application of photonics technologies, equipping them to address intricate challenges and contribute meaningfully to their respective fields of expertise.

-They will be able to understand the social, economic, and ethical implications of their work, and actively seek opportunities to collaborate with relevant partners in the world.

KPI : At least 80% of graduates engaged in international collaborations, multidisciplinary projects or internships or master thesis, reflecting a global perspective in the development and application of photonics technologies.

4. Professionalism and Adaptability:

-The iPSRS programme aspires to produce highly skilled and adaptable professionals capable of making significant contributions to the global community.

-They will demonstrate initiative, continuous learning, flexibility and adaptability in their professional endeavours.

KPI : 100% of graduates' demonstrate initiative, continuous learning, and adaptability in the professional environment of their Master thesis, measured through the description of topics in their Master thesis dissertation that were not taught in the programme.

5. Intercultural Communication and Teamwork Skills:

-Through collaborative and multicultural experiences, students will hone strong intercultural communication, teamwork, and project management skills, preparing them for international professional environments.

-Graduates will be able to effectively communicate technical concepts, build rapport, and navigate cultural differences within diverse teams.

KPI : 100% of students achieve grades above D in "communication and teamwork skills" on the overall assessment of their Master thesis.

6. Ethical Reasoning:

-Graduates will demonstrate ethical reasoning in evaluating various perspectives, policies, and practices relevant to the field of science.

- They will be able to identify and address potential ethical issues related to data privacy, responsible research conduct, and the environmental impact of technology.

- They will cultivate an awareness of their social responsibility as scientists and professionals, striving to use their knowledge for positive societal impact.

KPI : 100% of students achieve grades above D on the assessment of "understanding and application of ethical principles in research and development tasks" in the Course Scientific Methodology and Project Management in the first semester. Evaluation through case studies, ethical dilemmas, and ethical conduct assessments.

To obtain a Master's degree in iPSRS, students must demonstrate knowledge and skills requisite for independent work in research and development tasks or other photonics-related qualified work in academic or industrial settings.

Specific Learning Outcomes

These outcomes will be further detailed and assessed through specific rubrics aligned with the curriculum and programme activities. Examples include:

- Application of Knowledge and Understanding: Graduates will demonstrate broad experience and understanding of optics, lasers, optical materials, machine learning and their applications. They will possess detailed knowledge and understanding of photonics principles, methods, possibilities, and limitations, applying this knowledge to programming, data science, and micro-nanotechnology.

KPI : 100% of students achieve grades above F in courses related to optics, lasers, optical materials, machine learning, and their applications.

- Competence and Skills: Graduates will adeptly analyse and critically evaluate technical solutions in optics, photonics, optoelectronics, image processing, deep learning. They will independently undertake research or development projects, applying knowledge and problem-solving skills in novel or unfamiliar situations related to photonics and artificial intelligence. They will work effectively within teams, integrating knowledge from different disciplines and developing skills in experimental, theoretical, and numerical design for research and development.

KPI : 100% of students achieve grades above D for the Master Thesis demonstrating successful completion of research or development projects, effectiveness within multidisciplinary teams, and competence in experimental, theoretical, and numerical design :

- Data Analysis and Problem-Solving: Graduates will proficiently analyse and interpret data using data processing or artificial intelligence methods. They will identify, formulate, and solve photonic, imaging, or digital problems, evaluating diverse points of view within different frameworks, considering temporal, cultural, linguistic, socio-political, or technological contexts. They will apply disciplinary or interdisciplinary learning across multiple contexts, integrating knowledge and practice.

KPI : 100% of students achieve grades above F in courses related to data analysis and solving photonic, imaging, or digital problems.

- Background, Judgment, and Approach: Graduates will possess a broad education necessary to understand the global and societal impact of scientific solutions, fostering a commitment to sustainability and lifelong learning. They will demonstrate teamwork and collaborative skills, identify the need for additional knowledge, and continuously develop competence in physics, photonics and computing. They will show insight into scientific opportunities, limitations, and societal implications, engaging in critical inquiry through principled approaches or methods, demonstrating effective and ethical strategies for searching for and evaluating information.

KPI : 100% of students achieve grades above F in courses related to environmental impact and sustainable development along the curriculum.

- Effective Communication : Graduates will communicate effectively in presenting ideas orally and in writing (oral communication ; written communication) and other media forms.

KPI : 100 % of students present their work orally at one workshop or conference during the programme ; 100% of students write their Master

II.2.5. Student eligibility and selection process

Entry requirements, selection process, application assessment and appeal procedure are provided in Section III. Programme Structure, articles III.3 and III.4 of the *Partnership agreement*.

II.2.6. Number of students per edition

Number of *Students* per edition is determined for each edition by the *Academic and Management Board*, considering the need to ensure a continuity of high-level selection and good teaching conditions.

II.2.7. Official language

II.2.7.1. The official language of the *Programme* is English. Any educational material (including unit module supporting material, examination) shall be available in English.

II.2.7.2. Additionally, any administrative communication, process (including the application files, timetables, intranet interface, administrative template and files) notification, and official certificate and documentation (including the final degrees and diploma supplement) must be in English or translated in English.

II.2.8. Teaching delivery

II.2.8.1. Unit module sequence and *Programme's* milestones

Year 1: 2024-2025

Induction week

(from the 2nd of September to the 6th of September 2024)

Semester 1

(from the 2nd of September 2024 to 12th of January 2025)
Indicative time frame from September Year n till January Year n+1

Hosting Institution University Jean Monnet (UJM)

Country France

Learning rationale Develop skills and competencies in photonics, nanotechnologies and data science

Semester 2

(from the 13th of January 2025 to the 31st of May 2025)
Indicative time frame January Year n+1 till May Year n+1

Hosting Institution University of Eastern Finland

Country Finland

Learning rationale Develop skills and competencies photonics, nanotechnologies and data science

Optional summer internship

(from the 1st of June 2025 the 31st of August 2025)
Indicative time frame June / August Year n+1

Hosting Institution Associated Industrial Partners (or)
Associated Academic Partners (or)
Full Partners

Country World

Learning rationale Professionalization

Year 2: 2025 - 2026

Semester 3

(from the 1st of September 2025 to the end of January 2026 or end of february 2026)

Indicative time frame from September Year n+1 till January (France) or February (Lithuania)

Hosting Institution University Jean Monnet (or)
University of Paris-Est Créteil (or)
Vilnius University

Country France (or)Lithuania

Learning rationale Specialization in *Photonics and Machine Learning* or in *Biometrics and Intelligent Vision* or in *Condensed Matter Photonics*

Semester 4

(from the 1st of February or March 2026 to the 31st August 2026)

<i>Indicative time frame</i>	from February or March Year n+2 till July or August Year n+2
<i>Hosting Institution</i>	Associated Industrial Partners <u>(or)</u> Associated Academic Partners <u>(or)</u> Full partner
<i>Country</i>	World
<i>Learning rationale</i>	Professionalization

iPSRS day (graduation ceremony / professional network)
(September 2026)

Extra credits:	
Finnish language	2 ECTS
Workshop/conference/event	1-3 ECTS
Summer internship	5 ECTS
<i>Hosting Institution</i>	Associated Industrial Partners <u>(or)</u> Associated Academic Partners <u>(or)</u> Full Partner
<i>Learning rationale</i>	Professionalization

II.2.8.2. Curriculum 2024-2026 edition

Semester 1	
<i>Hosting Institution</i>	University Jean Monnet
<i>Learning rationale</i>	Develop skills and competencies in photonics, nanotechnologies and data science
Core Teaching Modules	= 30 ECTS
Major units	= 20 ECTS
Physical and Fourier Optics:	5 ECTS
. Physical Optics	3
. Digital Holography	2
. Numerical simulation and reconstruction	
Scientist of Tomorrow:	5 ECTS
. Industrial and Research Workshop	1
. Energy and environment workshop	2
. Scientific methodology and project management	2
Digital Image Processing and Analysis	5 ECTS
Algorithmic and Programming (Python)	5 ECTS
Elective units	= 10+ ECTS
Lasers	5 ECTS
. Laser physics	4
. Fiber lasers	1
Digital Innovation and Entrepreneurship	5 ECTS
Introduction to guided optics	2 ECTS
Scientific Computing with Python	2 ECTS
Optical Engineering	3 ECTS
Data Analysis	6 ECTS
Extra credits:	
French or English language and culture	2 ECTS
Semester 2	
<i>Hosting Institution</i>	University of Eastern Finland
<i>Learning rationale</i>	Develop skills and competencies in photonics, nanotechnologies and data science
Core Teaching Modules	= 30 ECTS
Major units	= 15 ECTS
Photonics laboratory	8 ECTS
. Electricity and Laser Safety	
. Advanced Laboratory Measurements	
. Working skills in Optics Laboratory	
. Four Laboratory practices	
Light and Matter	4 ECTS
Technologies in energy production and storage	3 ECTS
Elective units	= 15+ ECTS
Material physics	4 ECTS
Micro- and nanophotonics	4 ECTS
Color Science	4 ECTS
Basics of Signal and image Processing	5 ECTS
Advanced Biomedical Optics or	4 ECTS
Commercializing high-tech	4 ECTS
Optical Design	4 ECTS
Components for Optical Telecommunications	4 ECTS
Display Technologies	5 ECTS

Semester 3	
<i>Hosting Institution</i>	University Jean Monnet
<i>Learning rationale</i>	Specialization in <i>Photonics and Machine Learning</i>
Core Teaching Modules	= 30 ECTS
Major units:	= 20 ECTS
Micro-nanophotonics 2	6 ECTS
. Electromagnetic modeling of micro-nano-structured surfaces	3
. Nanoplasmonics	2
. applications of micro-nanophotonics	1
Advanced Photonics	5 ECTS
. Non-linear Optics	2
. Quantum Light sources for secure communications in photonics	3
Deep learning and applications to nano-photonics	5 ECTS
COIL Project	4 ECTS
Elective units:	=10+ ECTS
Environmental Remote Sensing	5 ECTS
Laser Processing and characterization	6 ECTS
. Laser processes for material structuring	2
. Temporal and spatial shaping of the laser pulse	1
. Analytical instrumentation	3
Image-based security	5 ECTS
. Color reproduction	1
. Security printing project	1
. Security Printing	2
. Visual Cryptography	1
Colour and spectral imaging	5 ECTS
Advanced Image Processing	5 ECTS
. Markovian models	2
. Deconvolution	3
Extra credits:	
French or English language and culture	2 ECTS
Scientific Workshop	2 ECTS

Semester 3	
<i>Hosting Institution</i>	University of Paris-Est Créteil
<i>Learning rationale</i>	Specialization in Biometrics and intelligent vision
Core Teaching Modules	= 30 ECTS
Major units	= 30 ECTS
Biometrics II	6 ECTS
Computer vision and machine learning	6 ECTS
Artificial intelligence and innovation workshop	6 ECTS
Research and professional culture	3 ECTS
Emerging Technologies (VAR)	3 ECTS
Project III	6 ECTS
. Local Project	2
. COIL Project	4
Extra-curriculum credits:	
Software Integration	6 ECTS
French language and culture	2 ECTS

Semester 3	
<i>Hosting Institution</i>	Vilnius University
<i>Learning rationale</i>	Specialization in Condensed Matter Photonics

Core Teaching Modules	= 30 ECTS
Major units:	= 20 ECTS
Renewable energy solutions	5 ECTS
Scientific Project	10 ECTS
. Research Activities	6
. COIL	4
Semiconductor optics	5 ECTS
Elective units	= 10+ ECTS
Advanced methods of microscopy	5 ECTS
New materials and technologies	5 ECTS
Methods of data analysis	5 ECTS
Technologies of organic optoelectronics	5 ECTS
Solid-state lighting technology	5 ECTS
Physics and technology of disordered materials	5 ECTS
Extra credits:	
Lithuanian language and culture	2 ECTS
Participation in a scientific conference/event (optional, in connection with the compulsory course Scientific Project course)	2 ECTS

	Semester 4
<i>Hosting Institution</i>	Associated Industrial Partners <u>(or)</u> Associated Academic Partners <u>(or)</u> Full Partners
<i>Learning rationale</i>	Professionalization
Master Thesis	= 30 ECTS

II.2.8.3. Core teaching modules

Successful completion of *Core Unit Modules* is awarded by 30 ECTS credits per semester. *Core Unit Modules* include:

- Compulsory units* that any *Student* must follow during semester 1, 2 and 3 (according to their specialization);
- Elective units* during semester 1, 2 and 3 (according to their specialization), and
- a *Master Thesis*.

Some elective units of semesters 1 and 2 are mandatory for students depending on their concentration in semester 3. The latter is chosen at the time of the application process and can be changed until the selection process is achieved.

Students enrolled at UJM for the specialization Photonics and Machine Learning have to choose the following elective courses:

- Laser Physics during semester 1 and
- Material Physics during semester 2

Students enrolled at UPEC for the specialization Biometrics and Intelligent Vision have to choose the following elective courses:

- Data analysis during semester 1 and
- Color science, Basics of Signal and Image Processing, Optical design (geometrical optics) during semester 2

Students enrolled at VU for the specialization Micro-nano-technological Devices Condensed Matter Photonics have to choose the following elective courses:

- Material Physics during semester 2

II.2.8.4. Extra-curriculum Units

Full Partners are encouraged to offer full access to any relevant unit modules taught in English to the *Student*. The *Student* however acknowledges that the schedule cannot be adjusted to allow specific optional choices by given students (excluding French language units modules).

Full Partners are encouraged to offer local language and culture units to the *Students*.

Although successful completion and validation of extra ECTS credits of those additional modules must be indicated in the *Diploma Supplement*, the extra credits obtained for those optional units cannot compensate for credits from *Core Teaching Modules*.

II.2.8.5. Summer internship

The *Student* is encouraged to devote the summer break to an optional short-term research or work placement. Summer internship is optional and is awarded by additional credits. It should be viewed by the *Student* as an opportunity to have a first work experience in a

European context, or to acquire more knowledge in a given topic in the perspective of the concentration units in semester 3 and/or the during the Master Thesis.

Short-term placement opportunities and/ research topics will be suggested to student by the *Consortium* during semester 2 and made available on the *Consortium's* intranet. The *Student* is free to suggest to the *Academic Coordinator* placement or research topic of his/her choice. Summer internship topic should be validated by the *Academic Coordinator*.

Summer internship can take place in any kind of institution (public / private).

The *Student* must be aware that enrolling in an optional or extra course to earn additional credits is an engagement. Once you have made this engagement to take the course or do the internship, you are obligated to complete all expected work and pursue your engagement to the end of the course or internship.

II.2.8.6. Master Thesis

The *Master Thesis* is a cornerstone of the *Programme*. It is designed to allow the *Student* to bridge "academic" experience, the knowledge and skills developed during the first 3 semesters with a first-hand work experience.

II.2.8.6.1. Master Thesis selection

The *Master Thesis* must be undertaken preferably with an *Associated Industrial Partners*, an *Associated Academic Partner* or a *Full Partner*. Each *Full Partner* must, given its relations with the *Associated Industrial Partners*, discuss *Master Thesis* opportunities and submit a list of *Master Thesis* proposals on the *Programme* intranet for *Student* perusal.

However, a *Student* may submit a *Master Thesis* proposal with another institution upon approval of one of the *Full Partner*, preferably if this *Master Thesis* can translate into a new *Associated Industrial Partner* or *Supporting Partner* membership.

Master Thesis must materialize into a work placement of six (6) months. This work placement must be preferably undertaken within a private company or within a public institution such as a research laboratory with the aim to conduct applied and commercializable research. The focus must be made to applications (products, processes, and technologies) of photonics, artificial intelligence, , biometry or condensed matter photonics rather than fundamental research. The *Master Thesis* proposals are validated every edition by the *Academic and Management Board*.

Topic allocation is validated by the *Academic and Management Board* on the basis of the *Student* choices, grades obtained so far, concentration chosen during semester 3 and motivation (as per *Student's* cover letter including in the dedicated form for topic selection).

II.2.8.6.2. Master Thesis implementation

Each *Student* benefits from the follow-up of an academic supervisor during her/his master thesis who is a PhD holder or near completion to one and part of the Faculty of universities acting as *Full Partners*. Academic supervisor's follow-up the work of the *Student* regularly. When the placement is done in one of the countries where one *Full Partner* is located, the academic supervisor organizes an on-site visit in addition with regular monitoring at distance.

II.2.8.6.3. Master Thesis defense

The draft of the *Master Thesis* must be approved by the academic supervisor prior to the oral presentation at the thesis defense.

The *Consortium* organizes the *Master Thesis* defense during the "Induction week". Members of the jury are:

- iPSRS academic coordinator;
- Academic supervisor;
- Two members not involved in the thesis supervision;
- Host company / institution supervisor;
- Students / Alumni (not compulsory).

The *Consortium* must publish *Master Thesis'* guidelines on the *Programme* intranet at the beginning of semester 4 to inform the *Student* on detailed expected structure, length, format, layout, referencing method and writing guidance of the written report and supporting slides for the defense.

II.2.8.6.4 Master Thesis Evaluation

The examination of the Master Thesis (MT) will be based on:

- a public defense (during the iPSRS induction week in September in Saint-Etienne) of the work realized during the internship (2040% of the mark), by an external committee (~~not the same as report evaluators~~)
- a written report (submission of report 2 weeks before the defense) (4030% of the mark),
- ~~the ability of the student to work in a team on an applied topic and to reach the initial objectives (by the AMB) (20% of the mark);~~
- the student's progress made along the internship including the ability of the student to work in a team on an applied topic and to reach the initial objectives, assessed by the supervisor(s) (2030% of the mark).

The grading of MTs will be done by the AMB.

II.2.8.7. iPSRS day

The "iPSRS day" is an event organized each September to gather all iPSRS stakeholders from September 2024 (i.e. induction of edition 1). It will take place at the Coordinating Institution.

Example of activities includes:

- Master Thesis oral defense of previous edition;
- Induction week of latest recruited edition;
- Professional networking activities for students and alumni;
- Workshops and conferences by scholars and professionals of the photonics field.

III.2.8.8. Curriculum management

Curriculum is informed with harmonized syllabus for each *unit modules*. It shall detail notably the *Learning Outcomes* expected for each *unit module* and their consistency and internal logic within the unit sequence and overall *Learning Outcomes* at *Programme* level.

Full Partners agree that a degree of flexibility in the catalogue of unit modules offered is essential to drive the *Programme* curriculum in light with the *Consortium* development, and notably the work performed in terms of cooperation with employers to refine the *Learning Outcomes*.

Curriculum for every edition is validated during an *Academic and Management Board* and fixed in the present *Student Agreement*.

The updated *Programme* curriculum shall be published on the *Programme* website when *Students' Call* for Application opens, each *unit modules* referring to the unit syllabus, to allow applicants to have a detailed view on *Programme* academic offer.

Unit modules can be mutualized with other international master programmes units taught in English to foster a true international experience. *Hosting institutions* should however take care that number of *Students* in practical sessions shall be limited to ensure a satisfactory teaching and learning environment.

II.2.8.9. Schedule

The starting date, first session exams, resit dates and ending dates of a given semester are defined three (3) months before the starting of said semester. All these dates shall be agreed by the *Academic and Management Board* in line with the local constraints of each *Host Institution*.

Schedule for current semester is available either physically on the premises of the *Hosting Institution* or online.

II.2.9. Academic tutorship

Host Institutions provide the *Student* with an academic tutor, a PhD holder or near completion to one. The *Student* and their tutor meet at least each month and follow the *Programme's Quality Policy* in order to monitor progress toward achievement of *Learning Outcomes*.

II.2.10. Mandatory mobility component

II.2.10.1. Ensuring meaningful student learning *mobility* is at the core of the *Programme* rationale. The *Student* must spend three (3) complete mobility periods in at least two (2) of the *Consortium's* Higher Education Institutions acting as *Full Partner* (not *Associated Academic Partners*) and which are located in different *Programme Countries* and undertake a *Master Thesis* Preferably with a Higher Education Institution acting as *Full Partner* or *Associated Academic*

Partner of the *Consortium*, or with an Associate Industrial Partner or corporate partner of the consortium at large.

II.2.10.2. Induction week and first semester take place at University Jean Monnet, the second semester at University of Eastern Finland, the third semester either at University Jean Monnet or University of Paris-Est Créteil or Vilnius University and the fourth semester in any public or private institution upon prior approval of the *Academic Coordinator* and conclusion of a placement agreement.

II.2.10.3. Each of these mandatory *mobility* periods must include a volume of study or placement / thesis preparation corresponding to at least 30 ECTS credits.

II.2.10.4. The mandatory *mobility* periods cannot be replaced by virtual *mobility* (excluding unit modules that are provided by Higher Education Institutions acting as *Full Partners* to ensure consistency of the units sequence) neither can they take place in institutions outside the *Consortium*. In the event of force majeure, exemptions to this rule can be considered on a case-by-case basis by the *Academic and Management Board*.

II.2.10.5. The *Student* must choose a concentration track that will determine the *Host Institution* during semester 3. Specialization in Photonics and Machine Learning is offered at University Jean Monnet, specialization in Biometrics and intelligent vision is offered at University of Paris-Est Créteil and specialization in Condensed Matter Photonics is offered at Vilnius University. The *Student* is required to indicate his/her preferred mobility for semester 3 during the application period (ask for a letter explaining her/his choice).

II.2.10.6. Each *Student* admitted to the *Programme* shall be administratively and academically registered at the *Coordinating Institution* and at any other *Full Partner's university* in which they choose to study.

II.2.11. Grading policy

II.2.11.1. Mutual recognition and 'jointness'

Full Partners recognized that the effective implementation of a harmonized process of validation of *Learning Outcomes* is instrumental to ensure to all *Programme's* stakeholders (students and employers alike) the best possible accountability and transparency.

Steps taken to ensure further 'connection in learning outcome validation between the *Full Partners* include:

- Systematic use of the European Credit Transfer and Accumulation System (ECTS) to define *Programme's* unit modules, to recognize *Learning Outcomes*, and ultimately to allow iPSRS to be an easily readable and comparable degree to increase *Student's* competitiveness and employability;
- Shared examination methodologies and performance assessment criteria. In addition, efforts are made through continuous dialogue to tackle cultural differences between *Full Partners* faculty with respect to expectations linked to a given mark. For instance, the evaluation process of the *Master Thesis*, which is conducted by an international jury of at least 2 different faculty members and one professional of the given field of research;
- While each *Full Partner* must apply the grading scale in accordance with national and institutional regulations at the institution responsible for the delivery of the *unit module*, the development of a common grading table with guidelines must serve as a reference to compare grading scales directly and state on the successful completion of the *Programme*. This procedure will be transparent as institutional and ECTS grading scales will be available with the *Student* transcripts from each institution, and
- Recognized awarded degrees, local diploma supplements and common *Diploma Supplement*.

II.2.11.2. Common grading scale guidelines and correspondence

Grade equivalence between University Jean Monnet institutional grading system and iPSRS grading system

University Jean Monnet grading system: (All marks: X/20) to assess performance for each unit module	iPSRS grading scale
--	---------------------

1	Excellent – <i>Excellent</i>	$X \geq 16$	A
2	Very Good - <i>Très bien</i>	$14 \leq X < 16$	B
3	Good - <i>Bien</i>	$12 \leq X < 14$	C
4	Satisfactory – <i>Assez Bien</i>	$11 \leq X < 12$	D
5	Sufficient - <i>Passable</i>	$10 \leq X < 11$	E
6	Fail - <i>Echec</i>	$X < 10$	F

Grade equivalence between University of Paris-Est Créteil institutional grading system and iPSRS grading system

University Paris-Est Créteil grading system: (All marks: X/20) to assess performance for each unit module			iPSRS grading scale
1	Excellent – <i>Excellent</i>	$X \geq 16$	A
2	Very Good - <i>Très bien</i>	$14 \leq X < 16$	B
3	Good - <i>Bien</i>	$12 \leq X < 14$	C
4	Satisfactory – <i>Assez Bien</i>	$11 \leq X < 12$	D
5	Sufficient - <i>Passable</i>	$10 \leq X < 11$	E
6	Fail - <i>Echec</i>	$X < 10$	F

Grade equivalence between University of Eastern Finland institutional grading system and iPSRS grading system

University of Eastern Finland grading system: (All marks: X/10) to assess performance for each unit module			iPSRS grading scale
1	Excellent - <i>Erinomainen</i>	5	A
2	Very Good - <i>Kiitettava</i>	4	B
3	Good - <i>Hyvä</i>	3	C
4	Satisfactory - <i>Tyydyttävä</i>	2	D
5	Sufficient - <i>Valttava</i>	1	E
6	Fail - <i>Hylätty</i>	0	F

Some units are not graded with letters but with pass/fail

Grade equivalence between Vilnius University institutional grading system and iPSRS grading system

Vilnius University system: (All marks: X/10) to assess performance for each unit module			iPSRS grading scale
1	Excellent - <i>Puikiai</i>	10	A
2	Very Good – <i>Labai Gerai</i>	9	B
3	Good – <i>Gerai</i>	8	C
4	Highly Satisfactory - <i>Vidutiniškai</i>	7	D
5	Satisfactory- <i>Patenkinamai</i>	6	D
6	Sufficient- <i>Silpnai</i>	5	E
7	Insufficient- <i>Nepakankamai</i>	4,3,2,1	F

Joint grade equivalence between the evaluation system of the internships and Master thesis and the iPSRS grading system

Joint grading system: (All marks: X/100) to assess performance for internships and Master thesis			iPSRS grading scale
1	Excellent – <i>Excellent</i>	$X \geq 90$	A
2	Very Good - <i>Très bien</i>	$80 \leq X < 90$	B
3	Good - <i>Bien</i>	$70 \leq X < 80$	C
4	Satisfactory – <i>Assez Bien</i>	$60 \leq X < 70$	D
5	Sufficient - <i>Passable</i>	$50 \leq X < 60$	E
6	Fail - <i>Echec</i>	$X < 50$	F

II.2.11.3. Rounding rule to determine alphabetical grade from numerical marks

Local Academic Coordinators may decide to round up to the closest higher alphabetical grade when the numerical mark is borderline (minus 0.25 / 10) and upon instructor recommendation.

II.2.11.4. Averaging rule to determine final averaged grade (and honours when applicable to national degree award)

At the end of the *Programme* the weighted average of all unit modules grades and the *Master Thesis* will be calculated. *Students* who have taken more than 18 science-based units or 90 ECTS will get their lowest grade amongst optional units taken out of the calculation of this average. The final numerical and corresponding alphabetical grade is determined by the formula:

$$N = \text{number of units validated by a student}$$

$$X_i = \text{mark obtained in unit number } i$$

$$W_{X_i} = \text{number of ECTS corresponding to the unit number } i$$

$$X = \left[\frac{\sum_{i=1, \dots, N} W_{X_i} * X_i}{120} \right]$$

Academic and Management Board may decide to round up to the closest higher alphabetical grade when the numerical mark is

borderline (minus 0.25 / 10) and upon all *Local Academic Coordinators* recommendation.

II.2.11.5. Grading rules

Details examination methodologies and performance assessment criteria (ECTS granted, weighting methods, examination duration and nature) are included in each unit syllabus prior to the beginning of the unit.

Local Academic Coordinators shall use examination methodologies and the weight of different examinations as endorsed in each unit syllabus. The numerical mark for each unit is a weighted-average of mid-term written exam (if applicable), final written exam (compulsory), practical work (lab work, if applicable) and acquired skills (if applicable, up to 25% of the final mark).

II.2.11.6. Second session examination

Each course module has at least two exams (excluding final *Master Thesis* defence).

UPEC utilizes a system of continuous evaluation, whereby students are assessed through various assignments, activities, and participation throughout the duration of the course. Consequently, there is no provision for separate re-sit examinations, and once a course is validated, no further assessments will be conducted to improve the grade.

II.2.11.6.1. In case of failed course (F)

The student that failed a unit module performance assessment (i.e. who get an F as a grade) can take a resit exam to pass the unit and obtain the corresponding ECTS. The "resit" exam will be proposed by the course instructor before the end of the semester. The resit exam is proposed to all students to improve their mark especially when they failed the overall unit.

The resit exams for the first semester will be organized before the end of the semester. The "resit" session of exams for the second and third semesters will be organized within the following month after the first session, to let the student prepare the exam in the institution where he/she studied during that semester.

This resit can be done at distance if mobility to another *Hosting Institution* has already happened.

Only the best grade will appear on the transcripts and diploma supplement.

This resit exam grade will replace the summative examination previous grade. The marks given to practical works (lab sessions, projects, etc.) are kept unchanged between the two sessions of examination and used again in the calculation of the new course grade.

II.2.11.6.2. In case of validated unit (at least E)

Students that have validated the unit module but wishes to improve their grade may choose to join the second session examination.

II.2.11.7. Graduation rules

Validation Course module	Rule
Course module	To validate a unit module and be awarded ECTS, a <i>Student</i> must get at least an "E". If a <i>Student</i> get an F at the first exam session s/he has to retake the examination. The F will be replaced by the new grade if better than previous grade only.
Semester	To validate a semester, a <i>Student</i> must capitalize at least 30 ECTS.
Semester 1	<i>Student</i> will be allowed to take a maximum of eight units module (i.e. the 6 compulsory units and 1 or 2 elective units, for a total of minimum 30 ECTS credits). <i>Student</i> will be allowed to pursue in semester 2 only if at the end of the semester 1 s/he has capitalized at least 25 ECTS (i.e. if s/he has failed a maximum of 1 core teaching module). In that case s/he will be allowed to pursue in semester 2 and will need to compensate missing 5 ECTS during semester 2 (i.e. obtain a minimum of 35 ECTS).

If a *Student* don't get this minimum of 25 ECTS at the end of the semester 1, s/he must stop her/his academic year. S/he can be allowed to enrol again in the *Programme* for the next edition as a self-funded student once. Upon agreement by the *Academic and Management Board* (in case of justified health or personal issues), the student may have to pay the full tuition fees or may benefit from the 100% fee waiver upon agreement by the Academic and Management Board.

- Semester 2 *Student* will be allowed to take a maximum of 40 ECTS.
Student will be allowed to pursue in semester 3 at the end of the semester 2 provided that s/he has capitalized at least 60 ECTS over the two first semesters.
If a student doesn't get this minimum of 60 ECTS at the end of semester 2, s/he is allowed to enrol again in the *Programme* for the next edition as a self-funded student once. Upon agreement by the *Academic and Management Board* (in case of justified health or personal issues), the student may only benefit from the 100% fee-waiver.
- Semester 3 *Student* will be allowed to pursue in Master Thesis at the end of the Semester 3 provided that s/he has capitalized at least 90 ECTS.
If a student doesn't get this minimum of 90 ECTS at the end of semester 3, s/he is allowed to enrol again in the second year of the *Programme*, once. Upon agreement by the *Academic and Management Board* (in case of justified health or personal issues), the *Student* may only benefit from the 100% fee-waiver.
- Semester 4 The *Master Thesis* successful completion is awardee by 30 ECTS and is equivalent to a semester of learning.
If a *Student* fails her/his Master Thesis, s/he is allowed to enrol again in the second year of the *Programme*, once. Upon agreement by the *Academic and Management Board* (in case of justified health or personal issues), the *Student* may only benefit from the 100% fee-waiver.
- Programme To validate the *Programme* and be awarded the EMJM diploma and multiple national diploma, the *Student* must have validated the four semesters, i.e. s/he must have capitalized at least 120 ECTS.

II.2.11.8. Student record

With relation to assessment and reporting, each *Host Institution* has the primary and ultimate responsibility for obtaining from the lecturer and transmitting to the *Coordinating Institution* and other *Host Institutions*, in a timely fashion, assessment records for all *Students*.

II.2.11.9. Fraud / plagiarism

An information session is given to *Students* at the beginning of the *Programme* regarding plagiarism. This includes notably details on what could be considered as plagiarism, as opposed to group work and guidelines regarding referencing rationale and methodologies. In addition, instructors are strongly encouraged to give, at the beginning of their unit module, clarification regarding specific performance assessment methods and expectations.

Each *Full Partner* must apply national and institutional regulations at the institution responsible for the delivery of the *unit module* in case of fraud and/or plagiarism. *Hosting Institution* must declare without delay instances of suspected fraud, and provide factual elements (examination sheets, instructors and *Student's* formal feedback) to the *Academic and Management Board*.

In addition to the national procedure and potential outcomes that can result from the fraud / plagiarism, the *Academic and Management Board* may decide to convey an exceptional distance meeting to take

complementary disciplinary measures against Faculty members involved in uncovering the misconduct, the *Student* delegate and the *Local Academic Coordinator* where the suspected instance of fraud allegedly occurred and *Student'* delegate must take part in this meeting. Concerned *Student's* must be given the opportunity to defend themselves during this meeting. Measures can range from cancelation of the examination to definitive exclusion from the *Programme*. *Student's* may appeal in accordance with the terms laid down in Article 1.6

II.2.11.10. Authorised and unauthorised use of generative AI based tools.

In iPSRS, responsible, forthcoming usage of tools based on generative Artificial Intelligence (AI) will be authorized in some activities. Irresponsible and/or dishonest use or abuse of generative AI based tools will be punishable in all iPSRS activities.

For any assigned iPSRS work that is to be graded, and for which internet access is authorised, including work at home, group work, individual projects or exams, the use of generative AI tools will be authorised unless otherwise stated by the teacher in charge. However, in cases where such tools are authorized, you must without fault fully disclose all uses of all AI-based tools for all contributions throughout your entire assignment. Failure to declare part or all of the uses and contributions obtained with generative AI-based tools will be considered to be fraudulent behaviour. The *Student* is solely responsible for his work; not having identified erroneous, plagiarised or otherwise unacceptable material in AI-based contributions to the work will be sanctioned as his/her responsibility.

The *Consortium* has written a position statement about the dangers of improper use of generative AI-based tools and developed a declaration form to be used to report, for each individual work or assignment, all uses of generative AI-based tools and all of the contributions obtained with each tool you have used. The *Student* is expected to be fully familiar with this report form and the associated position statement.

II.2.12. Joint recognition mechanisms and degrees awarded

II.2.12.1. Joint recognition

Each *Full Partner* has formally considered and approved this Erasmus Mundus Joint Master under the normal national approval procedures for new degree programmes.

Full Partners jointly recognize the unit modules and corresponding ECTS awarded in each Higher Education Institutions acting as *Full Partner* for the purpose of the award of their own national diploma. Mandatory *mobility* periods at *Host Institutions* are fully recognized by the *Full Partners* and are linked to the awarded degree.

The final list of graduates / alumni is endorsed every edition by an *Academic and Management Board* and published in the *Programme* website upon explicit agreement by graduates.

II.2.12.2. Degrees awarded

Triple or a double *Degrees* will be awarded after two years on the completion of 120 ECTS in three *Full Partner* universities (from semesters 1 to 4). The *Students* must obtain at least 60 cumulative ECTS from University Jean Monnet and University of Eastern Finland during the first year and 60 ECTS from either University Jean Monnet, or University Paris-Est Créteil or Vilnius University during the second year, among which 30 ECTS are delivered from the collegial evaluation of the *Master Thesis* for the award of the degree.

Successful completion of the *Erasmus Mundus Joint Master Intelligent Photonics for Security, Reliability, Sustainability and Safety* will result in the award of multiple Master degrees. According to the concentration which has been chosen by the graduate, the consortium will deliver multiple diplomas from University of Eastern Finland and University Jean Monnet (specialization in Photonics and Machine Learning) OR University Jean Monnet, University of Eastern Finland and University of Paris-Est Créteil (specialization in Biometrics and Intelligent Vision) OR University Jean Monnet, University of Eastern Finland and Vilnius University (specialization in Condensed Matter Photonics).

Awarding Institution	National degrees awarded, official name in local language	National degrees awarded, legalized English translation
----------------------	---	---

University Jean Monnet	Master Optics, Image, Vision, Multimedia With the specialization "Intelligent Photonics for Security, Reliability, Sustainability and Safety"	Master Optics, Image, Vision, Multimedia with the specialization "Intelligent Photonics for Security, Reliability, Sustainability and Safety"
University of Eastern Finland	Filosofian maisteri, fotonikka	Master of Science diploma in Photonics
University of Paris-Est Créteil	Master of Science diploma "Optics, Image, Vision, Multimedia with the specialization "Biometrics and Intelligent Vision"	Master of Science diploma "Optics, Image, Vision, Multimedia with the specialization "Biometrics and Intelligent Vision"
Vilnius University	Technologijų mokslų magistro laipsnis. Studijų kryptis: medžiagų technologijos	Master of Technological Sciences. Study field: Materials Technology

II.2.13. Diploma supplement

In addition to official diplomas and to ensure the best understanding and recognition of the *Programme* graduates achievements, notably towards employers, the *Full Partners* shall deliver to each *Student* a personalized *Diploma Supplement*, signed by all awarding Higher Education Institutions and issued by University Jean Monnet, the *Coordinating Institution*, including:

- learning objectives and *Consortium* track-record and recognition;
- overall organization of the study *Programme* (selection process, *mobility*, host institutions, Learning Outcomes, methods of assessment, tuition language);
- added value brought to the *Students* with respect to *Learning Outcomes* (which have been developed in cooperation with recruiters from the industry);
- full transcript of all credits (120 ECTS credits minimum) obtained during the master unit, concentration and grades obtained, Master Thesis subject, and
- awarded degrees in national languages and legalized English translation.

A template of this diploma supplement must be made available on the *Programme* website.

II.2.14. Diploma and diploma supplement delivery

II.2.14.1. Legal framework for French diploma award

University Jean Monnet Master's Degrees are edited by the Directorate of Training and Professional Integration, upon a list endorsed by the Faculty of Science and Technology, they are then signed by the President of the University and the Rectorate. Circular No. 2006-202 of 8 December 2006 defining the guidelines for developing and issuing diplomas in the framework of the "LMD".

A degree certificate (i.e. diploma) is individual and unique. It is the *Student's* responsibility to keep the original and to make copies. Forgery is punishable under Article 441-2 of the Criminal Code. A duplicate certificate can be provided upon presentation of proof. In case of destruction, loss or theft of a diploma degree, and subject to the submission of formal proof (claim form, receipt of a complaint, affidavit ...), University Jean Monnet can issue a duplicate of the diploma. To request a duplicate of his/her diploma, the *Student* must fill in a Request of diploma duplicate (in French) and send it to the *Administrative Coordinator*. Form and translation in English of this form are available on request to the *Administrative Coordinator*.

II.2.14.2. Cases when the Student must register in PhD school

Considering below timeline, graduates wishing to enrol in PhD studies right after the completion of their master might need a temporary certificate of completion to demonstrate they will be soon awarded a master degree. The *Student* can require this certificate to the *Administrative Coordinator* as soon as s/he has defended her/his Master Thesis in July or September of Year n+2 at the latest.

II.2.14.3. Timeline for diploma edition and delivery

Issuance of the diplomas follows the transmission of minutes of jury and / or defense by the secretariats of faculties. In each component, a temporary certificate of completion ("Attestation de réussite") is issued to successful *Students*. The final original diploma is produced in a period of less than six months.

By December of the graduating year (e.g. December 2024 if you've defended your MT in September 2024 for instance), the *Student* receives a mail as soon as the national diplomas from University Jean Monnet and, if applicable, University Paris-Est Créteil and Vilnius University are ready to be sent. University of Eastern Finland has its own process in place to send the diploma to graduates.

II.2.14.4. Collecting the diploma/s in Saint Etienne

Students' diploma/s can be collected at the University Jean Monnet, campus Manufacture, Bâtiment des Forges, 1st Floor, office 116, from 9:00 am to 12:00 am. *Students* must bring their provisional certificate and a valid ID / passport.

In case *Students* cannot come to Saint Etienne themselves but know someone who can collect their diploma/s on their behalf, they can fill in and send back to the Administrative Coordinator the Proxy form (in French). Translation in English of this form is available on request to the *Administrative Coordinator*.

II.2.14.4. Mailing delivery of diploma/s

The *Student* can alternatively have her/his diploma/s sent by registered mail to his/her residence in France or a French embassy / consulate in the *Student's* country of residence.

In that case, the *Student* must fill in a delivery request (in French) to the *Administrative Coordinator*. Translation in English of this form is available upon request to the *Administrative Coordinator*.

II.2.15. Local Academic Coordinator contacts

Coordinating Institution	Contact	
University Jean Monnet	Prof. Nathalie Destouches	nathalie.destouches@univ-st-etienne.fr
Hosting Institutions	Contact	
University Jean Monnet	Prof. Nathalie Destouches	nathalie.destouches@univ-st-etienne.fr
University of Eastern Finland	Prof. Matthieu Roussey	matthieu.roussey@uef.fi
University of Paris-Est Créteil	Prof. Amine Nait-Ali	naitali@u-pec.fr
Vilnius Universitetas	Prof. Augustas Vaitkevičius	augustas.vaitkevicius@ff.vu.lt

Article II.3. Student's affairs and administrative services

II.3.1. Effective enrolment

Effective enrolment in the *Programme* of successful applicants is subject of:

- conclusion and signing of a *Student Agreement* between the *Student* and the *Consortium* and providing for rights and obligations of both parties and
- payment of the first instalment of the *Participation Costs* to the *Coordinating Institution*.

II.3.2. Administrative enrolment in universities acting as Full Partners

The *Student* must be registered in the *Coordinating Institution* during the full duration of the *Programme*, i.e. s/he must register during two

academic years. Registration for the second academic year can be done at distance.

The *Student* must be registered in each university acting as *Full Partner*, in accordance with the mobility scheme chosen.

Full Partners agree to offer to the *Student* a level of administrative services at least equivalent to services normally performed to international students they welcome. *Programme's* student must be treated and served by *Full Partners* in the same way as home students, irrespective of gender, ethnic background, religion or other belief, sexual orientation, or disability.

While at the *Host Institution*, the local policies for resolution of complaints and appeal will apply in addition to policies at *Consortium* level detailed in the present agreement.

II.3.3. Administrative coordination

Full Partners recognized the need to facilitate as much as possible the sometimes heavy administrative process implied by enrolling in a European Master Degree located in three different countries and their respective set of national regulations to allow *Students* to focus on their studies. *Full Partners* agree to ensure any additional administrative cooperation, which is needed due to the high level of integration and compulsory *mobility* of the *Programme*. This includes notably:

- (a) a "single-window system" with one *Administrative Coordinator* following-up *Students'* overall "administrative life" from selection to post-graduation. The *Student* receives advices and guidance at each campus from one single dedicated *Local Administrative Coordinator* point along the way;
- (b) a single primary focal point for administrative issues (the *Administrative Coordinator*) who will be in charge to ensure the best possible implementation of any administrative process needed for the *Student* full participation in the *Programme* and, if applicable, act as the intermediary with *Local Administrative Coordinators*;
- (c) *Local Administrative Coordinator/s* in each *Hosting Institution* acting as the main focal point for any administrative issues the *Student* might have to deal with or face during her/his stay in *Hosting Institution's* country or at least a contact person that liaises with relevant services. *Local Administrative Coordinators* are responsible for:
 - a. Implementing in liaison with *Local Academic Coordinators* the *Academic and Management Board's* decisions;
 - b. Implementing in liaison with *Local Academic Coordinators* the *Quality Assurance Board's* decisions;
 - c. Managing operational activities linked with academic services, and notable teaching delivery, *Learning Outcomes* validations and degree delivery, in liaison with the *Administrative Coordinator*; and
 - d. Ensuring the delivery of student's affairs services, and notably be the primary focal point for all *Students* during their stay, for immigration, housing, banking, insurance, scholarships and health affairs.

Each *Local Administrative Coordinator* are primary focal points regarding all student's services and information with regards to given *Host Institution* (i.e. visa application guidance should be sought by the *Student* from the *Local Administrative Coordinator* of the university where the *Student* have to study next).

II.3.4. Administrative services at Coordinating Institution level

The *Student* is entitled to receive administrative services with regards to:

- a. Pre-arrival services
 - a. guidance on French visa application (follow-up and confirmation with French Consulate / Campus France Office; provision of certificate of admission and certificate of residence upon selection);
 - b. guidance on housing services during semester 1,
- b. banking service (free of charge bank account opening);

- c. information on administrative steps during the *Programme* (documentation needed through the entire duration of the *Programme*);
- d. *Participation Costs* and scholarship management in accordance with provisions laid down in section IV of the present agreement;
- e. Key information needed to prepare mobility in each *Hosting Institutions* (visa application details, accommodation services available, reference to key information) is available on the *Programme's* website;
- f. a full health and accident insurance coverage, in accordance with the minimal requirements of the Erasmus+ Joint Master *Programme* provided in Practical Information on Grant Management available on the EMJM beneficiaries Space website and which constitutes Annex IX. to the *Grant Agreement* (coverage, conditions, restrictions and helpdesk contacts are available on the website, the *Administrative Coordinator* is available to liaise directly and support the *Student* in insurance-related processes);
- g. alumni network access and events;
- h. professional network and events and job / PhD opportunities;
- i. *Programme's* milestones and events (mobility management, summer internship and *Master Thesis* legal framework, delivery of diploma and diploma supplement).

Provide special tutoring / mentoring programs

The *Student* understands the *Coordinating Institution* commits only to provide administrative services directly linked to the academic delivery of the *Programme* (such as registration, *Participation Costs* and scholarships management, insurance cover, graduation). The *Coordinating Institution* must make reasonable endeavours to facilitate as much as possible provision of additional services provided by third parties and ruled by other relevant agreements, such as immigration steps, housing and banking, but the *Student* ultimately bears the sole responsibility of such contractual arrangements.

II.3.4.1. Housing services

The *Student* acknowledges that the contract will be concluded upon arrival and subject to the payment of a deposit and registration fees. The *Student* agrees that any expenses related to housing services is own and sole responsibility and that *Hosting Institutions* accept no responsibility with regards to problem incurred as a result of the contractual relationship concluded.

II.3.4.2. Banking services

Non-European *Students* need a French bank account during the period of the study. Non-European *Students* (and European *Students* if they wish to) may ask the *Coordinating Institution* to support them in this process. Our partner, Cr dit Agricole, offers to *Students* advantageous terms and conditions.

This account is needed for the *Coordinating Institution* to disburse the scholarship the *Student* have been awarded when applicable, and in any case to allow the *Student* to have means of payments during the entire period of the *Programme* (the visa card can be used in all hosting countries of the *Programme*). Home insurance can be contracted from Cr dit Agricole as well if needed.

The *Student* acknowledges that the contract governing banking services will be concluded upon arrival during a personal meeting with Cr dit Agricole staff. The *Student* acknowledges that s/he is fully aware that the *Coordinating Institution* is not in any case liable on the terms and conditions of this contract and accepts no responsibility with regards to problems incurred as a result of the contractual relationship concluded with Cr dit Agricole. The *Student* acknowledges that s/he is fully aware that any expenses related to banking services is their own and sole responsibility and that they will not benefit from any overdraft facilities.

II.3.5. Administrative services at Hosting Institution level

Full Partners commit to provide in due time to the *Student* information on the systems that are necessary for the studies and information about the university study regulations and regulations for examinations and appeals (referenced on the programme website).

The *Student* is entitled to receive administrative services with regards to guidance and support on administrative steps to be taken (visa application, residence permit, potential housing allowances,

information on student life registration, schedules, campus services, university regulations, graduation rules, legal advice, health and sport services, diploma delivery when applicable directly by the *Host Institution*.

II.3.6. Women's empowerment

The *Full Partners* are dedicated to achieve equity for women in science and agree to support women who face difficult circumstances or barriers to their full participation, notably for women planning to enrol while having to care for children.

II.3.7. Student with special needs

Students with specific learning difficulties (e.g. dyslexia) and disabilities (e.g. visual impairment - partial sight or blind, hearing loss - partial hearing or profoundly deaf, mobility difficulties or wheelchair use, ...) are advised to disclose any disabilities, in confidence, at the earliest opportunity so that the Consortium can make provision for the *Student's* needs even if the *Student* does not believe that additional support is required.

The *Hosting Institutions* are striving to improve its facilities to ensure equal opportunities for all students with disabilities and specific learning difficulties. *Host Institution's* disability support services, support includes special arrangements for examinations, liaison with tutors and needs assessments.

II.3.8. Local Administrative Coordinators contacts

The *Student* should contact following focal points:

<i>Coordinating Institution</i>	Contact	
University Jean Monnet	Aurore Simonnet	aurore.simonnet@univ-st-etienne.fr
<i>Hosting Institutions</i>	Contact	
University Jean Monnet	Aurore Simonnet	aurore.simonnet@univ-st-etienne.fr
University of Eastern Finland	Noora Heikkilä	noora.heikkila@uef.fi
University of Paris-Est Créteil	Raphaël Baudrand Chaudeyac	Raphael.baudrand@u-pec.fr
Vinius University	Andzelika Jankauskyte	Andzelika.jankauskyte@ff.vu.lt

II.3.9. Intellectual Property Rights management

National regulations and institutional policies regarding intellectual property rights of each *Hosting Institutions* will apply to management of intellectual materials produced within the framework of the *Programme*, including but not limited to teaching materials produced during the period of this agreement. If generated by the *Student*, it will be subject to the rules of the *Hosting Institution* where the *Student* was registered at the time the intellectual property was created.

Separate agreement may govern the management of Intellectual Property Rights that arise from *Student's* work, including cases studies, industrial projects and *Master Thesis*. The *Student* understands that her/his work might be subject to non-disclosure agreements and that the owner of the intellectual property produced may, in accordance to specific agreement concluded at that time, be any *Hosting Institution* or third parties.

II.3.10. Protection of personal data

Pursuant to EU's General Data Protection Regulation (GDPR), relating to the protection of natural people with respect to the processing of personal data and the free movement of that data, the Consortium Members agree to comply with the rules established by the Commission of the European communities: related to the

Regulation (EU) 2016/679, adopted on 27 April 2016 and enforceable from 25 May 2018, on standard contractual clauses for the transfer of personal data to third countries.

Data subjects are:

- (a) applicants' personal data uploaded on the on-line application server during the Call for Application for Students as listed in article III.4.2.;
- (b) applicants' personal data uploaded on the on-line application server during the Call for Application for scholars as listed in article VI.11.4, and
- (c) Students
- (d) academic results during their participation in the Programme.

The transfer is necessary for:

- (a) the Students' selection process as detailed in article III.4.;
- (b) the Scholars' selection process as detailed in article VI.11.4., and
- (c) the monitoring of students Learning Outcomes and academic results.

The personal data transferred may be disclosed only to Local Academic Coordinators and Local Administrative Coordinator of each Full Partner and internal services in charge of the procedure that requires the personal information.

The personal data transferred may be stored for no more than: six (6) years (i.e. one (1) year more than the period of implementation of the Grant Agreement).

The personal data may be stored for longer periods in cases where national law requires that institutions store personal data for a longer period.

II.3.11. Use of Student's pictures

The student, for good and valuable consideration, the receipt of which is acknowledged, hereby grants to *Consortium*, its legal representatives, assignees, and those acting under its authority, the unrestricted right and permission to copyright and/or use, and/or publish photographic portraits or pictures of the *Student*, and the negatives, transparencies, prints, or digital information pertaining to them, in still, single, multiple, moving or video format, or in which *Student* may be included in whole or in part, or composite, or distorted in form, or reproductions thereof, in colour or otherwise, in any media for advertising or any other lawful purpose.

SECTION III. STUDENT ROLES AND OBLIGATIONS

Article III.1. Student Engagement

The Consortium expects the *Student* to:

- a. know the study programme descriptions and the unit descriptions and meet the compulsory activities and the given deadlines;
- b. know the study regulations and the regulations for examinations and appeals at both *Consortium* level and *Hosting Institution* levels, including regulations regarding acceptable usage of generative AI-based tools and the obligation to systematically and forthcomingly declare all uses and contributions in the *Student's* work obtained with AI-based tools;
- c. use the systems regularly and take advantage of the possibilities given, like the library, ICT and laboratories.
- d. read the information sent by e-mails by the *Consortium's* academic and administrative staff and take action when applicable. They must use the e-mail account given at the time of application or notify the *Administrative Coordinator* of change of principal email.
- e. participate at the best of their capabilities to the implementation of the *Consortium's* Quality Policy and governance of the *Consortium*.
- f. Uphold all engagements made within the frame of the iPSRS programme, notably with regards to optional internships and optional or extra courses. The *Student* recognises that by selecting and enrolling in an optional course or internship, he/she is thereafter required to complete the expected work, including reports and defences for optional internships, and projects and

exams for optional courses. Failure to complete required work for optional courses or internships will be sanctioned in the same manner as for mandatory courses and internships.

Article III.2. Ethics

The *Student* engages to behave with ethics during his/her studies. He/she will commit no fraudulent act, and will specially avoid cheating, falsification or plagiarism of any academic work. Moreover, he/she will not abuse or misuse the access to equipment and installations and will not perform any unauthorized access or violation of departmental or university rules. Any incident against this compromise will be treated by the *Academic and Management Board* and may cause the exclusion of the *Student*.

The *Student* acknowledge that her/his participation on a European programme may require cultural adaptation to local customs, "do and don't" of a given culture.

Article III.3. Attendance

III.3.1. General provisions

The *Student* commits him/herself to duly attend the *Programme* including all prescribed lectures, labs sessions, seminars, examinations and activities of the *Programme*, having a duration of two academic years, upon the signature of this *Student Agreement*.

The *Student* shouldn't, in any cases, leave the national territory of the *Hosting Institution* without prior notification and justification to local *Academic and Administrative Coordinators*.

Attendance is monitored by instructors on a daily basis and administrative staff on a monthly basis. In case a *Student* cannot attend a unit module for predictable good cause (health issues, administrative tasks), s/he must notify the instructor and copy the local academic and/or administrative coordinator. The *Student* must enclose to this leave request a justification (medical certificate signed by a local medical practitioner for health issues, meeting request for administrative tasks for instance).

A maximum of 10% of absence is allowed (10% of a given unit module with regard to volume of hours and 10% of global hourly volume of a given semester cumulatively). Any absence beyond this threshold will be considered by the *Academic and Management Board* and the *Student* will be requested to justify her/his absence. In case of repeated and unjustified absences, measures taken by the *Academic and Management Board* can range from cancellation of the examination to final exclusion from the *Programme* and cancellation of any scholarship directly managed by the *Consortium* upon one (1) month noticed to the student. The *Student* may in that case appeal in accordance with the terms laid down in Article I.7.

III.3.2. Justified cases of extended leave

The *Student* who has to interrupt their studies for a certain period of time, due to justifiable reasons of health, pregnancy or family matters, must notify the *Academic and Administrative Coordinators* and seek formal agreement prior to the beginning of the leave period. All such situations will be evaluated on an individual basis by the *Academic and Management Board*.

III.3.3. Withdraw of the Programme

In case the student wishes to leave the *Programme*, s/he must notify the *Academic and Administrative Coordinator* in accordance with the provision laid down in article I.5.3. This will notably result in cancellation of the scholarships managed by the *Consortium*.

Article III.4. Student and Alumni active involvement in the Consortium governing bodies

III.4.1. Students Delegates roles

Students agree to collegially designate two (2) *Students Delegates* who will represent all the *Students* during the said edition and who will act as the main focal point between the *Academic and Management Board* and *Quality Assurance Board* on one hand and the *Students* on the other hand.

Students must elect one (1) delegate and one (1) alternate delegate for their cohort two (2) months after the beginning of the *Programme* at the latest and notify the *Academic and Administrative Coordinators*. Method of election is left to *Students* own judgement.

Students Delegates' roles entails:

- a. organize regularly meeting/s on his/her own initiative with her/his fellows, physically or virtually (notably during semester 3 and 4 when *Students* are not located at the same place);
- b. feedback, anonymously if requested by *Student/s*, to *Academic and Administrative Coordinators* or *Consortium* governing bodies any *Student's* feedback, positive (idea for development) or negative (collective and individual concerns that might arise during the period of the *Programme*, issues faced by the *Students*);
- c. take part in the *Programme* governance bodies work and meetings, in accordance with the terms laid down in article II.1, the *Consortium Agreement* and the *Programme Quality Policy*. This implies notably the obligation for each delegate to:
 - a. participate in the *Consortium's Academic and Management Board* and *Quality Assurance Board* held physically twice a year and virtually anytime upon proposition of the Heads of the Boards or any *Full Partners* request, and
 - b. participate in meeting organized by the *Programme's* financial partner, notably the Agency (indicatively up to two meetings for the duration of the funding).

III.4.2. Alumni Delegate roles

At the end of the *Programme*, the *Students* shall elect one or several *Alumni Delegate/s* that will represent the cohort within the *Programme* governing bodies. *Students delegates* and *Alumni Delegates* may or may not be the same individual.

Students must elect one alumni representative for their cohort two (2) months before the end of the *Programme* at the latest and notify the academic and administrative coordinator. Method of election is left to *Students* own judgement.

Alumni Delegates roles entails:

- a. be, on a voluntary basis, the cohort focal point for alumni management, including the annual alumni employability survey, the community management of social media linked to the *Programme*.
- b. inform regularly alumni of progress of the *Programme* milestones, achievement and strategy and take all necessary endeavors to further alumni cooperation in the *Programme* in liaison with the *Academic and Administrative Coordinators*.
- c. take part in the *Programme* governance bodies work and meeting, in accordance with the terms laid down in article II.1, the *Partnership Agreement* and the *Programme Quality Policy*.
- d. take part in *Master Thesis* jury, in accordance with the terms laid down in article II.2.8.6.2.
- e. Promote their fellow colleagues to participate in the Erasmus Mundus Student and Alumni association

III.4.3. Student roles in Consortium's Quality Policy

The *Student* shall dedicate time and attention to formal (i.e. online questionnaires) and informal (focus group at the end of each semester) monitoring and evaluation activities implemented within the framework of the *Consortium Quality Policy*.

Rationale, frequency, objectives and exploitation of data of these monitoring and evaluation activities are defined and ruled by the *Consortium's Quality Policy*, designed and updated regularly by the *Quality Assurance Board* and available on the *Programme's* website.

Participation to these surveys is compulsory and linked to the academic validation of credits and hence diploma (i.e. each unit module must be assessed by the student for him/her to get the ECTS associated to the unit module, and the overall academic and administrative experience during a mobility period must be assessed to validate the semester). Although administration of these surveys is carried out anonymously, The *Student* may be required to complete individual online questionnaire to ensure full participation. The *Administrative Coordinator* is the only individual that can access

individual data and s/he is obliged to convey to the *Consortium* governing bodies only aggregated data or anonymized qualitative feedbacks.

Article III.5. Visibility and marketing of the Programme

III.5.1. Obligations regarding use of Programme's marketing materials

The *Student* commits to follow the guidelines available on the *Programme's* website with regards to use of the *Programme* name, logo and any materials owned by the *Consortium*. This includes notably best practices in terms of referencing the *Programme's* degree name and degree-awarding institutions in the *Student's* CV and social media, and to respect terms of uses of social media managed by the *Consortium*.

III.5.2. Obligations regarding communication with Consortium's financial and technical partners

The *Coordinating Institution* must be the intermediary for all communications between the *Student* and between the *Consortium* third parties, i.e. technical and financial partners, including the *Agency*. The *Student* acknowledges that the *Agency* cannot answer specific complaints that *Students* might have regarding the *Programme* on an individual basis. The *Student* is advised to follow first the appeal process in accordance with the terms laid down in article I.6. prior to attempt to lodge a complaint before the *Agency*.

III.5.3. Student's participation to the Programme marketing

Although not compulsory, the *Student* is encouraged to join her/his efforts to deliver publicity for the *Programme* and design joint promotion and awareness-raising activities in order to ensure the worldwide visibility of the *Programme* as well as the scholarship scheme. The *Student* may contribute to promote the *Programme* by disseminating communication materials and by leveraging their own networks, notably to publicize *Students' Call for Application* and contribute to raise the *Consortium* and *Programme* profile in their academic and institutional networks.

This can be done on a voluntary basis notably through the "Ambassador Programme", connecting current *Students* and alumni with prospect applicants who may wish to have a direct feedback of a *Student*. The *Student* is free to decide a maximum number of applicants to connect with and preferred mode of connection. Discussion are "peer-to-peer" and kept confidential. Ambassadors have to agree explicitly by email to their participation in the *Programme* and use of their picture and contact details.

Article III.6. Students associations

The *Student* is advised to join the Erasmus Mundus Association and to engage in the association governance and activities.

The *Student* is encouraged to set-up his/her own alumni association. Funding may be made available by the *Consortium* to cover set-up costs.

SECTION IV. FINANCIAL ARRANGEMENTS

Article IV.1. Student interlocutor for financial matters

The *Coordinating Institution* is primarily responsible to arrange proper management and payment of:

- Participation Costs*, including insurance fees and national tuition fees;
- Scholarships - *EMJM scholarships* and *Consortium scholarships*.

Hosting Institutions may manage directly national (government or university sponsored) scholarship programmes.

Article IV.2. Participation Costs

IV.2.1. Participations Costs amount and payment method

Participation Costs for the 2024-2026 edition are set as follows:

Scholarship Holders	Non-Scholarship Holders

total Participation Costs (entire Programme, 4 semesters)	€18,000	€ 18,000
---	---------	----------

Participation Costs for one academic year (2 semesters)	€ 9,000	€ 9,000
---	---------	---------

Participation Costs are not charged to students. They will be paid by Europe to the Full Partners. They cover for the entire duration of the programme.

IV.2.2. Services included in Participation Costs

Participation Costs that are charged to each *Students* cover, for the entire duration of the *Programme*, the costs related to:

- selection costs according to the terms laid down in article III.4 of the *Partnership Agreement* (no costs shall be charged at the time of the application);
- registration, and notably, local tuitions fees in hosting university, social security and fees related to edition of diplomas;
- full access to the *Programme* curriculum (units, offer of master thesis in the industry, exams, thesis examinations, in-site visits);
- social insurance and full insurance coverage complying with the *Agency* requirement during the entire period of the *Programme*;
- student's affairs services including administrative counseling, degree delivery, support for banking, housing, and immigration affairs according to the terms laid down in the *Student Agreement*.
- full access to any scientific units offered by *Hosting Institution*, upon agreement of the *Student Academic Tutor*.
- full access to *Hosting Institution's* libraries, laboratories and online resources services related to the *Programme*
- full access to *Hosting Institution* services (culture, sports, health, ...);
- dedicated local languages units;
- special tutoring / mentoring by an *Academic Advisor*; access to PSRS events and networking activities with industry and alumni, and
- any other mandatory costs related to the *Student's* full participation in the *Programme*.

These *Participation Costs* does not cover:

- travel expenses from home country to the *Coordinating Institution* and from one *Host Institution* to another during the length of the *Programme*;
- travel and immigration documentation (e.g. visas fees, stamps...);
- accommodation;
- books, stationery, personal laptop, and
- student Associations' membership fees.

IV.2.3. Budgeting

***Self-financed students* are encouraged to plan their 2-year budget ahead of the induction week. The *Consortium* must inform, at the time of selection, a ballpark figure of expected costs of living that *Self-financed students* shall be able to meet. This financial ability to cover cost of education may be required for visa application.**

Article IV.3. Scholarships

IV.3.1. Scholarships holder selection

IV.3.1.1. EMJM scholarships

There is no specific application process or additional information needed for applicants to apply to *EMJM scholarships*. Those scholarships are merit-based, the same selection criteria, method and decision-making for selection to the *Programme* will be applied to grant *EMJM scholarships* (best-ranked applicants being offered *EMJM Scholarships* constituting the *main list*).

However, additional eligibility criteria apply to be considered eligible to an *EMJM scholarship*, in line with the *Erasmus+ Programme Guide*, the *Grant Agreement* and the Practical information:

preparatory activities & EMJM student scholarships available in the EMJM beneficiaries Space

The *EMJM scholarships* attribution is validated by the *Academic and Management Board* conjointly to the selection outcomes. The *main list* published on the *Programme* website following the selection process must provide clearly for applicants who are awarded an *EMJM scholarship*.

Without prejudice to academic excellence, *EMJM scholarships* must be offered to *Students* by taking geographical balance into account, in accordance with the terms laid down in the *Erasmus + programme guide – Version 1 – 2024 (valid as of 28/11/2023)*, and notably:

- a. No more than 10% of the total number of scholarships awarding during project implementation should be awarded to candidates from the same nationality (this rule does not apply to top up scholarships for targeted regions of the world, if applicable)

To ensure that priority is given over academic excellence rather than adjustments toward compliance with geographic balance at the end of the period of implementation of the *Grant Agreement*, the *Academic and Management Board* agrees to:

- a. First and foremost, assess and rank applicants in line with the selection criteria provided in article III.4.4. of the *Partnership Agreement* and without consideration of the countries of origin of the applicants;
- b. Then adjust the attribution of *EMJM scholarships* considering the geographical balance requirements in line with following principles:
 - a. Adjustments must be made every edition (to minimize risk of non-compliance at the end of the period of implementation of the *Grant Agreement* and avoid allocation of *EMJM scholarships* essentially on a geographic basis during the third edition);
 - b. Selection outcomes only must be used to determine these adjustments and *Consortium scholarships* must be given in priority to best-ranked applicants that cannot receive an *EMJM scholarship* due to geographic imbalance.

IV.3.1.2. iPSRS scholarships

iPSRS scholarships are granted for one (1) academic year.

The same selection criteria, method and decision-making for selection to the *Programme* will be applied to attribute *iPSRS scholarships* at the beginning of the first academic year of each edition.

Attribution of *iPSRS scholarships* for the second academic year of each edition will be based on *Student* performance during the first academic year (best ranking, on the basis of grades available at the time of the selection, and using the grading and calculation rules provided in article II.11. and providing that the *Student* has an average above B during the first academic year). *iPSRS scholarship* cannot be additional to *EMJM scholarship*.

The *iPSRS scholarships* attribution are validated by the *Academic and Management Board* conjointly to the selection outcome. The reserve list published subsequent to the selection process on the *Programme* website must provide clearly for applicants who are awarded a *Consortium scholarship*.

Without prejudice to academic excellence, the *Academic and Management Board* may decide to earmark every edition a number of *Consortium scholarships* to applicants that are graduates of Higher Education Institutions acting as *Associated Academic Partners* of the *Consortium*.

IV.3.1.3. Fee-waiver

Fee-waivers are granted for two (2) academic years.

The same selection criteria, method and decision-making for selection to the *Programme* will be applied to attribute *Fee-waiver* at the beginning of the first academic year of each edition.

The *Fee-waiver* attribution are validated by the *Academic and Management Board* conjointly to the selection outcome. The reserve list published subsequent to the selection process on the *Programme* website must provide clearly for applicants who are awarded a *Fee-waiver*.

Without prejudice to academic excellence, the *Academic and Management Board* may decide to earmark every edition a number

of *Fee-waivers* to applicants that are graduates of Higher Education Institutions acting as *Associated Academic Partners* of the *Consortium*.

IV.3.1.4. Management of scholarships attribution during edition selection

Considering that:

- a. successful applicants may decide not to confirm their participation in the *Programme* if they don't receive substantial financial support during the period of their studies;
- b. successful applicants who are awarded a scholarship may decide not to benefit from it to allow others applicants with lower financial means to join the *Programme* or because they are not able to join the *Programme* (e.g. for immigration issues).

The applicants must have, subsequent to the publication of the final selection outcomes by the *Academic and Management Board* on the *Programme* website, at least one (1) week to consider the outcome of the selection, assess their financial ability to join the *Programme* and confirm their participation in full knowledge.

Final adjustments to the main and reserve lists must be made in accordance to the terms laid out in article III.6.1.1.4. of the *Partnership Agreement* and upon confirmation in writing of the successful applicants and serve as the basis for the *Consortium* to send the final main and reserve lists to the *Agency* and allow the latter to notify successful *EMJM scholarship* holders.

IV.3.2. Scholarships grants management

IV.3.2.1. Amount granted

The amount of *Consortium Scholarships* offered every edition is set by the *Academic and Management Board* and provided in the *Partnership Agreement*, in line with the sustainability strategy provided in its annexe C.

Additional financial support, notably to finance *Student Mobility* may be provided on an ad-hoc basis. This support is ruled for each edition by the *Academic and Management Board*.

IV.3.2.1.1. EMJM scholarships

The legal basis and documentation that prevails for determining scholarships amount is English version of the *Erasmus + programme guide – Version 1 – 2024 (valid as of 28/11/2023)*, page 293.

IV.3.2.1.2. iPSRS scholarships

Allocation of other potential scholarships are ruled by *Academic and Management Board* in line with the own requirements and legal framework of the financial partner. Those potential scholarships include notably scholarships granted to *Students* that can be financed by the corporate partners of the *Consortium*, including but not limited to *Associated Industrial Partners* and *Supporting Partners* and managed by separate and *ad-hoc* agreements.

IV.3.2.1.3. Fee-waiver

Fee-waiver for 2024-2026 represent 100% of the participation costs.

IV.3.2.2. Scholarship disbursement

IV.3.2.2.1. EMJM scholarships

EMJM scholarships cover the entire duration of the *Programme* and are awarded exclusively for a full-time enrolment in one of the *Programme* editions. *EMJM scholarship* disbursements are managed by the *Coordinating Institution* in accordance with the *Eacea* rules.

IV.3.2.2.2. iPSRS scholarships

iPSRS scholarships cover two (2) consecutive semesters of the *Programme* and are awarded exclusively for a full-time enrolment in one of the *Programme* edition. The *Student* can receive, during 2 consecutive years, 2 consecutive *Consortium scholarships*. *iPSRS scholarships* payments are managed by the *Coordinating Institution*.