COURSE DATA

DATA SUBJECT

Code: 46821
Name: Internship
Cycle: Master's Degree
ECTS Credits: 6
Academic year: 2026-27

STUDY (S)

Degree	Center	Acad. year	Period
2273 - Master¿s Degree in Environmental Radiation Protection	Facultat de Física	1	Indefinite (Individuals)

SUBJECT-MATTER

Degree	Subject-matter	Character
2273 - Master¿s Degree in Environmental Radiation Protection	Prácticas externas	INTERNSHIPS

COORDINATION

DIAZ MEDINA JOSE

YAHLALI HADDOU NADIA

SUMMARY

The subject "External Academic Internships" belongs to the Practical Module that is part of the Master in Environmental Radiation Protection. The external internships are organized on the basis of agreements signed by each of the Universities participating in the teaching of the Master with companies and R+D+i centers.

Professional profile: The external internships are intended to complete the theoretical and practical training received by the students in the rest of the subjects of the Master with an adequate professional experience.

PREVIOUS KNOWLEDGE

RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

There are no specified enrollment restrictions with other subjects of the curriculum.

OTHER REQUIREMENTS

No requirements have been established for this subject.

COMPETENCES / LEARNING OUTCOMES

2273 - Master¿s Degree in Environmental Radiation Protection

Assess and apply radiation protection measures to improve environmental quality and health.

Be able to apply the appropriate scientific concepts and data processing tools in the diagnosis and solution of problems arising from environmental radioactivity.

Be able to communicate conclusions, and the knowledge and rationale underpinning these, concerning ionising radiation, its use and effects on the environment, to specialist and non-specialist audiences, clearly and unambiguously.

Be able to develop projects in the field of environmental radiation protection.

Be able to integrate knowledge of the sources of radioactivity, its interaction with matter and its effects on living organisms and to handle the complexity of formulating judgements with incomplete or limited information, but that includes reflections on the social and ethical responsibilities linked to the application of knowledge and judgements.

Characterise and understand the different basic processes that act and regulate the distribution and fate of radionuclides in the water, soil and atmosphere.

Demonstrate knowledge and understanding of ionising radiations that provide a basis or opportunity to be original in developing or applying ideas, often in a research context in the field of environmental radioactivity.

Have basic skills in instrumentation methods and data processing techniques for determining relevant quantities for the analysis of problems arising from environmental radioactivity.

Have the learning skills that allow students to continue to study in a manner that may be largely self-directed or autonomous.

Identify, state and comprehensively analyse the problems arising from environmental radioactivity.

Identify and apply technologies, tools and techniques in the field of environmental radiation protection.

Integrate radiological protection into the environmental and sustainable development framework.

Know how to apply knowledge and problem-solving abilities in new or unfamiliar environments within broader (or multidisciplinary) contexts related to the field of study.

Propose practical solutions, according to applicable environmental legislation, for suitable environmental management tools and assessment of environmental radiological risks.

Understand that any professional activity must be carried out with respect for fundamental rights, the promotion of gender equality, the principle of universal accessibility and design for all, environmental

protection and in accordance with the values of a culture of peace and democratic values.

DESCRIPTION OF CONTENTS

External placements are activities carried out by students in companies, institutions or entities, public and private research, engineering, service provision and UTPRs organisations, which aim to enrich and complement their university training, while at the same time providing them with a deeper understanding of the learning outcomes they will need once they have graduated.

Activities that students will undertake include: sample taking and preservation, radiochemical separations, preparation of calibration sources, radiometric detectors, calculations and analysis of results, reporting, among others.

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at the internship centre	100,00
Attendance at supplementary activities	0,00
Monitoring and tutoring of internships	10,00
Total hours	**110,00**

NON PRESENCIAL ACTIVITIES

Activity	Hours
Independent study and work	40,00
Preparation of supplementary reports	0,00
Preparation of the internship report and evaluation of the internship	0,00
Total hours	**40,00**

TEACHING METHODOLOGY

Before the start of the second semester, the coordinators of each university participating in the Master's programme will inform their students of the list of places available in different companies and institutions, detailing, as far as possible, the deadlines and specific conditions, if any, for applying for each of them. The students will select the company they are interested in and, if there is more than one student interested in the same company, the coordinators will send the CV's of these students so that the external tutor can proceed to the selection of the student.

The specific training activities will depend in each case on the profile of the position to which the internship student joins. The teaching methodology will always be active and participative, being complemented in some cases by specific theoretical-practical training provided by the host entity/institution (e.g. use of specific software or instrumentation).

Supervision will be carried out periodically by the two tutors; both will also guide the student in the completion of the Internship Report.

Under no circumstances will the work placement imply an employment or contractual relationship with the entity in which the work placement is carried out, given the academic and training nature of the work placement. Thus, they will be implemented through an educational collaboration agreement between the company and the university.

In summary, the teaching methodology to be used consists of:

MD2	Internships in specialised laboratories or computer rooms.
MD3	Resolution and group discussion of problems and practical exercises.
MD4	Individual or group tutorials, with teacher-student interaction
MD5	Proposal, execution, tutoring and presentation of assignments

MD6	Assessments and examinations

EVALUATION

Assessment criteria:

SE6 External placement report: review of the written report taking into account the use students make of the knowledge acquired during the external placement.

Assessment activities	Weight of the final grade	Recoverable (Yes/No	Minimum mark*.	Validation mark**
External placement report: review of the written report taking into account the use students make of the knowledge acquired during the external placement.	30%	no	--	--
External tutor report.	70%	no	--	--

* The minimum mark is the mark required for the evaluation element to be considered in the average mark (with its corresponding weight). If it is not exceeded, it will be marked with 0 points. The student can pass the subject if the final grade is sufficient.

** The validation mark is the mark required for the assessment element to be considered in the average mark (with its corresponding weight). If it is not passed, it will be marked with 0 points. The student cannot pass the subject.

Fraud in assessment elements

In accordance with Regulatory Agreement 15418 of 26 March 2024, which approves the regulations on behaviour constituting academic fraud and behaviour contrary to the Code of Integrity in the assessment processes of the University of the Balearic Islands, the following consequences will apply: (a) in the case of academic fraud, a disciplinary procedure will be opened; (b) in the case of behaviour contrary to the Code of Integrity, the assessment element in question will be graded with `0¿, and this will lose, where appropriate, the status of recoverable.

REFERENCES

Reference bibliography of the Master's Degree, contained in the set of subjects that comprise it.

The external placement tutors will provide the corresponding bibliography.