

External Training

Code: 42737
ECTS Credits: 9

Degree	Type	Year	Semester
4313223 History of Science: Science, History and Society	OT	0	2

Contact

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Use of Languages

Principal working language: catalan (cat)

Prerequisites

Module M3 must be completed in advance.

Objectives and Contextualisation

This module of the communication specialty aims to satisfy the social and cultural need for experts in history of science

while able to manage and communicate it. The module is compulsory for those students who have coursed M3 -

second part of the professional orientation.

The module allows students to carry out tasks related to the management

Master's Thesis Work (module M9) to document the practical work done and discuss its relationship with the master's academic goals, particularly those related to M3.

The development of these work is based on the signing of agreements between universities managing the master and different companies and institutions related to science heritage

and communication.

Aims

- Gain labour experience in the fields of

scientific heritage and communication.

- Apply the knowledge gained from the master to the professional activity
- Orienting regarding integration in the labor market.

Competences

- "Critically analyse the mechanisms of scientific communication in the mass media (this competence is acquired by students who take the specialisation "Communication, Heritage and History of Science").
- Design exhibitions and draw up a communication plan (this competence is acquired by students who take the specialisation "Communication, Heritage and History of Science").
- Gather and critically assess information for problem solving, in accordance with the discipline's own analysis methods and techniques.
- Recognise, evaluate and catalogue the scientific and technical heritage (this competence is acquired by students who take the specialisation "Communication, Heritage and History of Science").
- Work in interdisciplinary teams, showing leadership and initiative.
- Work independently: solving problems, taking decisions and making innovative proposals.

Learning Outcomes

1. Adapt knowledge of the heritage to the communicative context.
2. Apply knowledge to the identification and cataloguing of the scientific and technological heritage.
3. Develop techniques and styles corresponding to the professional demand for cultural products related to science and their scientific and technological heritage.
4. Discern which media are useful for developing projects to valorise the heritage aimed at the general public.
5. Gather and critically assess information for problem solving, in accordance with the discipline's own analysis methods and techniques.
6. Interpret the scientific and technical heritage in a precise historical context and present conclusions.
7. Recognise strategies for recovering information and using catalogues of material culture of science.

8. Recognise the spaces for preserving and conserving the material culture of science.
9. Use instruments for valorising the scientific and technological heritage.
10. Work in interdisciplinary teams, showing leadership and initiative.
11. Work independently: solving problems, taking decisions and making innovative proposals.

Content

This module contemplates specific sessions of programming, orientation, follow-up and conclusion that will take place

All sessions will take place to the Unit of History of the Medicine, Faculty of Medicine, UAB, starting at 15.00 h. For

heritage and scientific communication.

Sessions of orientation and organization, 1st semester, 15-18h, to the CEHIC

1. Presentation of the module. Proposals of destinations where to carry out the work

2. Distribution of destinations

Sessions of control, follow-up and conclusion, 2nd semester, 15-18h, to the CEHIC

3. General organisation of the work (concrete projects, etc.)

4. Follow-up. Considerations on the preparation of the Master's Thesis (Project of Master's Thesis)

5. Conclusion: delivery of the final version of the
Project of Master's Thesis and discussion of the thesis

Locations of previous courses:

Museu de la Ciència i de la Tècnica de Catalunya, Terrassa

Museu d'Història de la Medicina de Catalunya, Terrassa

UAB Divulga

Servei d'Arxius de Ciència, CEHIC, UAB

Patrimoni i Memòria, CEHIC, UAB

Unitat d'Història de la Medicina, CEHIC, UAB

Societat Catalana d'Història de la Ciència i de la Tècnica (Institut d'Estudis Catalans)

Reial Acadèmia de Ciències i Arts de Barcelona

Escola d'Art i Disseny de Tortosa

Arxiu d'Història de la Psicologia, Departament de Psicologia, UAB

Ateneu Barcelonès

Opensystems UB

Sincrotró ALBA

Associació Catalana de Comunicació Científica

Investigación y Ciencia (Prensa Científica, SA)

TV3-Què, qui, com

Fundació Grífols

Parc de Recerca de la UAB

Institut de Ciència de Materials de Barcelona (ICMAB-CSIC)

Other companies and institutions whenever

specific agreements

can be formalized allowing the work to be done in the time and conditions established by the curriculum.

Methodology

Internships will be developed during an approximate period of nine weeks of the second semester (with a maximum of 180 hours).

Students will have the category of interns, without any labor relation with the company and without remuneration. Internships involve the incorporation of students in processes of generation of knowledge and research.

institutions and companies, the practices may be articulated through the preparation and realization of concrete projects. The person or persons of the receiving institution or company in charge of the internship will be responsible for the organization and supervision of the internship.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Management and monitoring of internship	6	0.24	5, 11, 10
Monitoring sessions	12	0.48	5, 11, 10
Type: Supervised			
Learning and critical assessment of heritage and communication processes related to the internship	47.25	1.89	1, 2, 4, 6, 3, 8, 7, 9
Monitoring and tutoring of the completion of the project	30	1.2	1, 2, 4, 6, 3, 5, 8, 7, 11, 9
Type: Autonomous			
Completion of the project for the master's thesis	10.5	0.42	1, 2, 4, 6, 3, 5, 8, 11, 9
Internship	108	4.32	1, 2, 4, 6, 3, 5, 8, 7, 11, 10, 9

Assessment

The student will write a report on the development of the internship with a maximum extension

of 3,000 words (8 pages) including bibliography. The report will be equivalent to the Project for the Master's thesis (concrete instructions will be given in the follow-up session). It will include a brief description of the aims of the internship, the methodology that has been used, and the activities carried out; it may include a preliminary report. The student will also make an oral presentation of his Master's thesis project. The report will be evaluated by the internal tutor (50%); the oral presentation preparation of the Project for the Master's thesis, will be evaluated by the coordinators of modules M4 and M5 (25%). The final note of the module will be completed with reports of the internal tutor. The students will obtain the grade of "Non assessable" when the evaluation has a weight of less than 67% in the final grade.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
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Completion of the project for the master's thesis	50%	9.25	0.37	1, 2, 4, 6, 3, 5, 8, 7, 11, 9
External tutors internship report	25%	1	0.04	1, 2, 4, 6, 3, 5, 8, 7, 11, 10, 9
Oral presentation and defence of the project for the master's thesis	25%	1	0.04	1, 2, 4, 6, 3, 5, 8, 7, 11, 10, 9

Bibliography

The mandatory readings of the M3 module:

Burke, Peter. *Historia social del conocimiento*, Paidós, 2002 (orig.2000)

Nieto-Galan, Agustí. *Los públicos de la ciencia. Expertos y profanos a través de la historia*. Marcial Pons. Madrid 2011.

Thompson, John B. *Los media y la modernidad: una teoría de los medios de comunicación*, Barcelona, Paidós, 1998, 2003, 2007 (orig. 1995).

In addition to these references, students will have complementary readings, not compulsory, related to the development of the internships.