

Research Methods

Code: 42736
ECTS Credits: 9

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

The proposed teaching and assessment methodology that appear in the guide may be subject to changes as a result of the restrictions to face-to-face class attendance imposed by the health authorities.

Contact

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Use of Languages

Principal working language: catalan (cat)

Other comments on languages

In addition to Catalan, English and Spanish may be used in the module.

External teachers

Jesús María Galech Amillano

Prerequisites

Completion of M2 module (research track).

The student will have a director among lecturers of the master. Within the first weeks of the semester (see Contents), the student must choose one of the topics proposed and reach an agreement with a director. If the director does not teach in the master, it will require a tutor. The draft final project must show that the student is ready to develop the subject on a solid documentary base.

Acceptance will be reflected in the registration form, completed and signed by both parties. It will be presented by the student to the coordination in the second tutorial. Given the choice of students and availability of tutors, the coordinators may assign a theme and a mentor among teachers who have few students.

Objectives and Contextualisation

Students will develop the project for their Master's thesis.

Competences

- "Apply the different methodologies and historiographic schools to research work (this competence is acquired by students who take the specialisation ""Research and History of Science"")."
- "Design original, innovative research projects regarding the historiographic schools of science (this competence is acquired by students who take the specialisation ""Research and History of Science"")."
- Apply this discipline's own analysis methods and techniques in the construction of various historical narratives.
- Develop an original, interdisciplinary historical narrative that integrates humanistic and scientific culture.

- Interpret, comment on and edit scientific texts on science's past and place them rigorously within their historical context.
- Use information and communication technologies appropriately in research and in professional activity.
- Work independently: solving problems, taking decisions and making innovative proposals.

Learning Outcomes

1. Distinguish techniques to organise, assimilate and manage complex historiographic information using one's own criteria.
2. Establish the state of the art of a topic, regarding both sources and secondary bibliography.
3. Formulate critical syntheses of the important information.
4. Identify relationships between scientific knowledge and practices and the global context in which they are produced.
5. Identify the arguments given in a text or speech and critically evaluate their structure and implications.
6. Identify the documentary sources and the materials on which a research project is based.
7. Interpret texts from different periods and/or traditions, showing sensibility to the context in which they were written.
8. Recognise and critically assess the historiographic perspective of texts on the history of science, technology and medicine.
9. Reveal the tacit presuppositions behind arguments and theories from the past.
10. Seek out and critically select the relevant information for a research project.
11. Use a methodology that is appropriate to the topic being studied.
12. Use information and communication technologies appropriately in research and in professional activity.
13. Work independently: solving problems, taking decisions and making innovative proposals.

Content

The student must develop the project for the Master's thesis, including:

a) a statement of the state of affairs: to present and discuss the treatment of the subject by other historians , using the appropriate literature

b) a proposed work: in addition to aim a descriptive title , justify the choice of subject, stating the assumptions or working hypotheses , detailing the objectives to be achieved , identify the sources and methodology of analysis, tentatively describe the structure of master Thesis work and propose a timetable

The project will consist of a maximum of 3,000 words (8 pages) , including bibliography .

Sessions

1. First general session. General guidelines.
2. Second general session. Project tracking. Deadline for submitting the application for the MPhil essay.
3. Delivery of projects.

Methodology

The module includes orientation and follow-up sessions focused on the preparation and discussion of the project

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Monitoring and tutoring sessions	15	0.6	10, 1, 3, 11, 2, 9, 5, 6, 4, 7, 8
Type: Autonomous			
Completion of the project for the master's thesis	200	8	10, 1, 3, 11, 2, 9, 5, 6, 4, 7, 8, 13, 12

Assessment

The project report will be delivered to the coordinators within the deadlines set by the calendar. Reports that do not meet the requirements will be rejected. The director will submit a proposal of qualification (quantitative note from 0 to 10) for the project in its written version will be evaluated by the coordinators of the course. The qualification of the project will be the average of the qualification of the written project and the oral presentation. Once the written project is delivered, a date and time will be set for the oral presentation.

In the event that activities and tests or exams cannot be taken onsite, they will be adapted to an online format meeting the requirements of the course.

Homework, activities and class participation will be carried out through forums, wikis and/or discussion on TEAMMATE.

Lecturers will ensure that students are able to access these virtual tools, or will offer them feasible alternatives.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Completion of the project for the master's thesis	50%	5	0.2	10, 1, 3, 11, 2, 9, 5, 6, 4, 7, 8, 13, 12
Oral presentation and defence of the project for the master's thesis	50%	5	0.2	10, 1, 3, 11, 2, 9, 5, 6, 4, 7, 8, 13, 12

Bibliography

SEE LIST OF THE TOPICS AND AREAS OF RESEARCH OFFERED BY TUTORS FOR THE DEVELOPMENT OF THE PROJECT.

Software

No specific software is required.