

**COURSE DATA****Data Subject**

Code	46483
Name	Master's final project
Cycle	Master's degree
ECTS Credits	12.0
Academic year	2023 - 2024

Study (s)

Degree	Center	Acad. year	Period
2252 - M.U. en Historia de la Ciencia y Comunicación Científica	Faculty of Medicine and Odontology	1	Annual

Subject-matter

Degree	Subject-matter	Character
2252 - M.U. en Historia de la Ciencia y Comunicación Científica	6 - Master's final project	End Labour Studies

Coordination

Name	Department
SUAY MATALLANA, IGNACIO	225 - History of Science and Documentation

SUMMARY

The students must develop a research topic in one of the three lines of work of the master's degree: history of science, technology and medicine; scientific communication; and scientific heritage and museology.

As it is an interuniversity master's degree, complete information can be found on the master's website, at the following address: <http://www.historia-ciencia-comunicacion.org>

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PREVIOUS KNOWLEDGE



Relationship to other subjects of the same degree

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

Other requirements

OUTCOMES

2252 - M.U. en Historia de la Ciencia y Comunicación Científica

- Students should apply acquired knowledge to solve problems in unfamiliar contexts within their field of study, including multidisciplinary scenarios.
- Students should be able to integrate knowledge and address the complexity of making informed judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities associated with the application of their knowledge and judgments.
- Students should communicate conclusions and underlying knowledge clearly and unambiguously to both specialized and non-specialized audiences.
- Students should demonstrate self-directed learning skills for continued academic growth.
- Students should possess and understand foundational knowledge that enables original thinking and research in the field.
- Conocer el desarrollo general de la historia de la ciencia, la medicina y la tecnología en su contexto social y cultural a lo largo del tiempo.
- Describir los procesos de producción y consumo del conocimiento científico, así como los mecanismos de comunicación social de la ciencia, con sus diversos medios, espacios y protagonistas.
- Identificar los principales períodos y contextos geográficos del desarrollo histórico de la ciencia, la medicina y la tecnología.
- Conocer las biografías de los principales protagonistas del desarrollo de la historia de la ciencia, la medicina y la tecnología.
- Analizar e interpretar textos clásicos de la medicina y de la ciencia.
- Conocer las diversas formas de popularización de la ciencia.
- Identificar e interpretar textos de carácter divulgativo, periodístico o ensayístico relacionados con la ciencia, la medicina y la tecnología.
- Conocer las características generales de la terminología médica y científica a través del estudio de su historia y su papel en la comunicación científica actual.
- Identificar las principales fuentes de información relacionadas con la historia de la ciencia, la medicina y la tecnología así como las herramientas de recuperación de esta información (principales repertorios bibliográficos y bases de datos).



- Identificar las principales fuentes de información relacionadas con la comunicación científica, así como otras herramientas de recuperación de información (principales repertorios bibliográficos y bases de datos).
- Idear, planificar, organizar y redactar un trabajo de investigación.
- Presentar en público un trabajo de investigación y debatir sus resultados con otros investigadores.
- Aplicar técnicas de búsqueda, identificación, selección y recogida de información especializada.
- Aplicar métodos de análisis crítico para estudiar fuentes textuales, iconográficas y materiales relacionadas con la medicina, la ciencia y la tecnología.
- Recopilar, seleccionar y organizar la información científica especializada.
- Discutir y valorar las perspectivas, las controversias y los métodos de trabajo de las principales líneas de la investigación en el área de la información y la comunicación social de la ciencia.
- Discutir y valorar las perspectivas, los debates historiográficos y los métodos de trabajo de las principales líneas de investigación histórica en torno a la ciencia, de la tecnología y de la medicina.
- Conocer y utilizar con destreza las principales fuentes de información relacionadas con la historia de la ciencia, la medicina y la tecnología así como las herramientas de recuperación de esta información (repertorios bibliográficos y bases de datos).
- Conocer y utilizar con destreza las principales fuentes de información relacionadas con la comunicación científica, así como otras herramientas de recuperación de información (principales repertorios bibliográficos y bases de datos).

LEARNING OUTCOMES

Develop a research topic in one of the three lines of work of the master's degree: history of science, technology and medicine; scientific communication; and scientific heritage and museology.

Collect, select and organize specialized scientific information.

Discuss and assess the perspectives, controversies and working methods of the main lines of research in the area of information and social communication of science.

Know and skillfully use the main sources of information related to the history of science, medicine and technology, as well as the tools for retrieving this information (bibliographical directories and databases).

Discuss and value the perspectives, the historiographical debates and the working methods of the main lines of historical research around science, technology and medicine.



WORKLOAD

ACTIVITY	Hours	% To be attended
Graduation project		100
TOTAL	0,00	

TEACHING METHODOLOGY

The final master's project will consist of writing a report or project, under the supervision of a professor, in which the knowledge, skills and professional competences acquired by the student throughout the degree in each one are made clear. The academic commission of the master's degree will prepare a list of suggested topics each year, which will not be, in any case, exclusive at the proposal of the master's professors on which the works to be presented may be based. The works will be individual, personal and original, so that they will serve to show the knowledge reached by the students in the subjects of the master's degree. Special emphasis will be placed on the correct management of the general skills of the master's degree and the knowledge and skills of the specialty chosen by the student. In any case, the work will materialize in a report or project in written form that will be accompanied, where appropriate, by the material deemed pertinent, together with a public presentation thereof. Various modalities may be submitted, the specific nature of which will also be clarified each year by the master's academic committee: a) Academic review and bibliographic research papers on any of the master's specialization topics. These works may take the form of an academic article, following the characteristics of a prestigious journal in the corresponding areas, or the form of a report whose contents and structure will be specified by the academic committee of the master's degree. b) Projects that come from carrying out internships in institutions or companies related to the themes of the master's degree, such as museums, popular magazines, cultural heritage areas, news agencies and others of a similar nature. Examples of these works may be the preparation of a popular science article, an exhibition project in a museum, a scientific heritage management program, a scientific documentary project, and other similar activities that must be approved by the academic committee of the master. c) Work of a similar nature to the previous ones resulting from a stay at another university, Spanish or foreign, always in accordance with a work plan prepared by the student and approved by the academic committee of the master's degree. d) In particular cases, the master's academic committee may specify modalities other than the previous ones which, in any case, must always accommodate the objectives of the master's degree. The Academic Coordination Commission of each master's degree will establish specific guidelines for each of these modalities, will offer guidelines regarding the selection process, documentation and writing of the work and, finally, will inform students about the evaluation criteria, all with the objective to standardize the elaboration and evaluation of the final master's projects.

EVALUATION

The TFM will be evaluated by a panel with a president and two members, who will preferably be professors of the master's degree. The director may not be part of the jury.

Qualification

Once the defense of the TFM has been carried out, the jury will mark the TFM, taking into account the report submitted by the director. It will be marked numerically from 0.0 to 10.0, with a single decimal. In the event that the score is equal to or greater than 9.0, it will also be indicated if the award of the Honors



Degree is proposed. The Governing Council, at the proposal of the CCA, can award extraordinary master's awards annually, at the rate of one for every thirty graduates or fraction.

The qualification criteria are those that are detailed in a public document that will be delivered to the students at the beginning of the course.

The usual procedures will be used to confirm the identity of the student and their authorship, applying, where appropriate, the corresponding regulations on plagiarism.

https://www.uv.es/plagio/pginas_web.html

<https://sga.ua.es/es/normativa-academica/ees/evaluacion-de-los-aprendizajes/evaluacion-de-los-aprendizajes.html>

<https://estudios.umh.es/presentacion/normativas/evaluacion-y-progreso-y-permanencia-del-estudiantado-en-la-umh/>

REFERENCES

Basic

- Umberto Eco, (1995), Cómo se hace una tesis. Técnicas y procedimientos de investigación, estudio y escritura. Editorial Gedisa. 1ª ed., Barcelona.
- Bibliografía general del máster y específica de cada trabajo de fin de máster.
- Bibliografia general del màster i específica de cada treball de fi de màster.
- General bibliography of the master's degree and specific bibliography of each master's thesis.