

**Scientific Material Culture, Heritage and  
Communication**

Code: 42281  
ECTS Credits: 15

Degree	Type	Year	Semester
4313223 History of Science: Science, History and Society	OT	0	1

### Contact

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### Prerequisites

There are none.

### Use of languages

Principal working language: catalan (cat)

### Objectives and Contextualisation

The module poses a critical and rigorous vision of scientific communication and its history from the study of the spaces where this knowledge is produced, as well as to the materiality and to all the actors that take part in its production and circulation. The factories of scientific knowledge and of its communication become the objects of analysis. Spaces, media, objects and actors reveal the connections between science -understood how a dynamic process, of mutual interaction, and without a neat separation between experts and non-experts- and its publics. Upon this premise, the module takes, as a first explanatory reference, the local historical context of Barcelona or Catalonia, from where the possibility to build or explain a culturally complex history of the science is shown.

This module is compulsory for those students that want to do M4 or Pràcticum with a professional specialty. In this way, M3 is the base for the carrying out of professional training in companies and institutions that work with scientific heritage and communication. In any case, M3-M4 students also have the possibility to do a doctoral thesis (PhD).

### General aims

- Develop, analyse, apply and understand the historical knowledge of science in those fields related to the communication and the material culture of science.
- Develop an original and interdisciplinary historical narrative that integrates humanistic and scientific cultures.

### Content

The student will obtain a wide-ranging, detailed and updated knowledge of the modern and contemporary history

and Europe, from the point of view of material culture, heritage and communication.

This strategy will allow the student to know the meaning of the material culture of science and medicine -practice:

technologies and the spaces of science and medicine-, and their relation with organisational changes, the creatio

Besides, the student will know the diverse forms of communication tied to these processes and, specially, the rel:

management of scientific, medical and technological knowledge, and its role in socio-cultural transformations in h

Themes

Spaces, heritage, material culture and communication: in situ

Spaces, heritage, material culture and communication: theoretical frames

Cabinets and bookshops to the Republic of the Letters

Anatomical Theatres: science and spectacle

The publics of science in the Enlightenment

Engineering and society in 19th century Barcelona

The origins of the RACAB: for an useful science

Looking at the sky: astronomy and meteorology, 19th-20th centuries

Clinics and hospitals: medicine, architecture and city

Cathedrals of science: from the science museum to the science center

Museologic sciences and artifacts

Museums of technologic and industrial heritage

Natural sciences, heritage and identity

Scientific heritage and exhibitions today

Advertising and science

Science popularization, education and industrialisation in the 19th century

Science and art: from Turner to Banksy and beyond

Science, literature, the press and comics (ss. XIX-XXI)

Science, cinema, radio and television

Science and communication technologies

Scientific journalism today