

Degree programme	Type	Course
History of Science: History, Heritage and Scientific Communication	OP	1

## Contact lecturer

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## Group languages

You can consult this information at the [end](#) of the document.

## Prerequisites

There are no prerequisites.

## Objectives

- Understand and critically analyse the role of science and technology in contemporary society, drawing on the historical processes that have shaped them.
- Identify the forms that contemporary science has taken, taking into account its audiences, promoters, and the institutions of teaching, outreach or research.
- Describe the transformations of science, technology, industry, the state and nature, and their contribution, reflection and reciprocal influence on the public sphere through various forms of expression, representation and communication.
- Describe the historical, social, economic, professional, political, cultural and communicative dimensions of techno-scientific activity in contemporary history, including the construction and management of discourses and practices of resistance.

- Accurately describe the historiographical debates on science, technology and the issues historically associated with gender, race, class and power in the contemporary period.

## Learning outcomes

- CA32 (Communicate to specialised and non-specialised audiences the reciprocal influences between science, technology, industry and the state in the last two centuries.) Communicate to specialised and non-specialised audiences the reciprocal influences between science, technology, industry and the state in the last two centuries.
- CA33 (Evaluate the tools of research, analysis and historiographical reflection to think about science and technology in the present and to intervene in the current debates associated with gender biases and inequalities of rights and opportunities.) Evaluate the tools of research, analysis and historiographical reflection to think about science and technology in the present and to intervene in the current debates associated with gender biases and inequalities of rights and opportunities.
- CA34 (Critically and rigorously evaluate the contents, methodologies and techniques of the discipline for the construction of interdisciplinary and original historical narratives in relation to the challenges posed in today's world with respect to the generation and management of fundamental human rights and sustainability.) Critically and rigorously evaluate the contents, methodologies and techniques of the discipline for the construction of interdisciplinary and original historical narratives in relation to the challenges posed in today's world with respect to the generation and management of fundamental human rights and sustainability.
- KA34 (Describe the transformations of science, technology, industry and the State and their contribution, reflection and reciprocal influence in the public sphere through different forms of expression, representation and communication.) Describe the transformations of science, technology, industry and the State and their contribution, reflection and reciprocal influence in the public sphere through different forms of expression, representation and communication.
- KA35 (Describe the historical, social, economic, political, professional, cultural, and communicative dimensions of scientific and technological activity in contemporary history, including the construction and management of discourses and practices of resistance.) Describe the historical, social, economic, political, professional, cultural, and communicative dimensions of scientific and technological activity in contemporary history, including the construction and management of discourses and practices of resistance.
- KA36 (Accurately describe historiographical debates on science, technology, and the issues historically associated with gender, race, class, materiality, and power in the contemporary period.) Accurately describe historiographical debates on science, technology, and the issues historically associated with gender, race, class, materiality, and power in the contemporary period.
- SA31 (Accurately distinguish stages, transformations and interactions between technoscience, society, industry and the State in contemporary history (nineteenth, twentieth and twenty-first centuries), taking into account the dimensions of gender, race, class, materiality and power.) Accurately distinguish stages, transformations and interactions between technoscience, society, industry and the State in contemporary history (nineteenth, twentieth and twenty-first centuries), taking into account the dimensions of gender, race, class, materiality and power.
- SA32 (Critically relate to each other the different forms taken by scientific and technological activity and the processes of construction and management of discourses and practices of resistance in contemporary history.) Critically relate to each other the different forms taken by scientific and technological activity and the processes of construction and management of discourses and practices of resistance in contemporary history.
- SA33 (Apply the theoretical tools of the history of science to think about the present and intervene in current debates on science and technology.) Apply the theoretical tools of the history of science to think about the present and intervene in current debates on science and technology.

## Contents

### *I. Introduction*

Session 1. Science, money and politics

## II. Turn of Century

Session 2: Institutions, trust and experts

Session 3: Science and the category of race

## III. Between wars

Session 4: Capital, industry and class

Session 5: Identity and nation

## IV. Cold War, decolonisation and anthropocene

Session 6: International relations and foreign affairs

Session 7: Colonialism, decolonization, anti-colonization

Session 8: Development, havoc and global crises

## V. 21<sup>st</sup> Century

Session 9: Technoscientific imaginaries

Session 10: Data

## Learning activities and methodology

Title	Hours	ECTS	Learning outcomes
Reading and autonomous work	75	3	CA33, CA34, KA34, KA35, KA36, SA31, SA32, SA33
Theoretical lectures	30	1.2	CA33, CA34, KA34, KA35, KA36, SA31, SA32
Practical exercises in the class	20	0.8	CA32, CA33, CA34, KA34, KA35, KA36, SA31, SA32, SA33

The module combines presentations by professors, including seminar-style sessions and student participation, with directed and autonomous study. The organisation of topics may include lectures, student presentations, discussion of the texts and audiovisual material, practical work with historical archives, and group activities, among others.

Each topic will be covered in a 3-hour session. If a class day is a public holiday or there is a clash with other events of the master, an alternative date will be arranged for the class.

The topic materials will be available on the Moodle classroom on the UAB Virtual Campus.

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.

## Assessment

### Continuous assessment activities

Title	Weight	Hours	ECTS	Learning outcomes
Written exam	20%	0	0	CA32, CA33, CA34, KA34, KA35, KA36, SA31, SA32, SA33
Final essay	40%	0	0	CA32, CA33, CA34, KA34, KA35, KA36, SA31, SA32, SA33
Oral presentation	30%	0	0	CA32, CA33, CA34, KA34, KA35, KA36, SA31, SA32, SA33
Active participation	10%	0	0	CA32, CA33, CA34, KA34, KA35, KA36, SA31, SA32, SA33

The assessment will consist of 4 elements:

- Short final essay (40%): During the first session, various historical, heritage and communicative objects will be presented. Each student will choose one and, at the end of the course, submit a short essay with an analysis and commentary on the object, taking into account the concepts, ideas, tools and approaches covered in class throughout the course.
- Oral presentation (30%). Mid-term, each student will be required to present their object and the lines of analysis they are working on. As well as providing practice in oral presentation, this will be an opportunity for the teaching staff to provide monitoring and feedback to help prepare and guide the final essay.
- Written examination (20%). A final examination will be held on the last day of the course.
- Active participation in sessions, following the guidelines, readings and recommended materials (10%)

This subject entirely prohibits the use of AI technologies in all of its activities. Any submitted work that contains content generated using AI will be considered academic dishonesty; the corresponding grade will be awarded a zero, without the possibility of reassessment. In cases of greater infringement, more serious action may be taken.

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## Software

No specific software is required or developed.

## Course groups and languages

The information provided is provisional until November 30. After this date, you will be able to consult the language of each group through this [link](#). To access the information, you will need to enter the course CODE

Type of teaching	Group	Language	Semester	Shift
(TEm) Theory (master)	1	Catalan	second semester	afternoon

PROVISIONAL