

**From Frankenstein to Einstein: Contemporary
Science and Society**

Code: 42286
ECTS Credits: 15

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

Contact

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Other comments on languages

Llengua majoritària de les lectures del mòdul.

Use of languages

Principal working language: catalan (cat)

Teachers

Antoni Malet Tomás

Agustí Nieto-Galan

Daniele Cozzoli

Jesus Maria Galech Amillano

Silvia de Bianchi

Prerequisites

There are none.

Objectives and Contextualisation

To understand and critically analyze the role of science and technology in today's society, taking into account the historical processes that have shaped them.

To identify the different forms that contemporary science has taken, considering its aims, practitioners, educational institutions.

To get acquainted with the relevant literature on these issues.

To communicate orally and in writing scientific and historical arguments.

Content

1. Presentation

2. The origins of modern science

3. Frankenstein, or the Modern Prometheus
4. Darwin and the historical vision of life
5. Scientific Empires
6. Natural-artificial: industrial chemistry and German hegemony
7. Science and ideology in the age of extremes
8. Science and ideology: the case of Nazism
9. Social darwinism
10. Eugenics
11. Marie Curie, science, medicine, and industry
12. Einstein and the construction of a scientific icon
13. Science and art
14. Science and literature
15. Science and modernization: Spain 1900-1936
16. Science in a totalitarian regime: Spain 1939-1975
17. Two cultures?
18. Peniciline: research, patents and the Cold War
19. Space sciences in the Cold War
20. John von Neumann and computation
21. Technology and nation
22. Resistance to technology
23. Elementary particles and cosmology
24. Epistemology of contemporary scientific practice
25. Gender and contemporary science
26. Science in the media
27. Science and democracy
28. Small science
29. Conclusions