

**Science in History**

Code: 42279  
ECTS Credits: 15

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

**Contact**

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**Teachers**

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**Use of languages**

Principal working language: spanish (spa)

**Prerequisites**

This is a compulsory module and it does not depend on other modules.

**Objectives and Contextualisation**

To understand and characterize the major stages of the history of science, and the different views on the nature and social relations of science through history

To communicate orally and in writing historical arguments

To interpret, comment upon and edit scientific texts of the past and to be able to place them in their historical context

**Content**

1. Introduction: Science and History

Part 1. Science in Antiquity

2. The birth of science?

3. Astronomy and cosmology

4. Mathematics and Geometry

5. The natural philosophy of Aristotle

6. Medicine and the Life Sciences

Part 2. Medieval Science

7. The establishment of a scientific corpus

8. The golden age of Arabic science

9. New institutions and translations

10. The transmission of knowledge

11. Medicine, Science in the Middle Ages and the Renaissance

12. The medieval cosmos

Part 3. The Scientific Revolution

13. The Copernican Revolution

14. Galileo and movement; Harvey and blood circulation

15. The reform of knowledge: Bacon and Descartes

16. Newton: The world system

Part 4. The Enlightenment

17. Actors and spaces of natural philosophy

18. The Encyclopedia and the crisis of the Enlightenment

19. The Chemical Revolution

Part 5. The rise of science

20. Evolution and laboratory medicine

21. The human sciences

22. The sciences of matter and energy

Part 6. contemporary Science

23. Little science, big science

24. The molecular view of life

25. Science and power in the Cold War

Oral presentations and synthesis

First session of presentations

Second session of presentations

Session summary and conclusions