

## Women in science

Academic Year: ( 2023 / 2024 )

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Department assigned to the subject: Physics Department

Coordinating teacher: CASTRO BERNAL, MARIA VANESSA DE

Type: Courses of humanities ECTS Credits : 3.0

Year : 4 Semester :

## OBJECTIVES

- To evaluate and know the presence of women in important scientific discoveries all along the History.
- To revise different scientific women biographies.
- To acknowledge their achievements.
- To analyze the current participation of women in Science.

## DESCRIPTION OF CONTENTS: PROGRAMME

1. Women scientifics all along the History:
  - Antiquity (from the first writings to the V century AD)
  - Middle Ages (from V century to the XV century)
  - Scientific Renaissance (XVI and XVII centuries)
  - Illustration (XVIII century)
  - Begins Contemporanea Ages (XIX century)
  - From XX century to today.
2. Women scientists who did not get the Nobel Prize, although his work.
3. Women scientists who won the Nobel prize
4. Spanish women scientifics
5. Women scientists nowadays

## LEARNING ACTIVITIES AND METHODOLOGY

The objective of the course involves the description of different scientific women biographies all along the History till the present moment. Their scientific achievements will be explained in an informative way.

To reach this objective, the students should participate actively during the course development: attending the different sessions, making an oral presentation in the class and taking part in the course web Forum.

The students have the chance to ask for tutorials (individually or in groups) with the course teachers out of the class schedule to prepare their class presentations or to discuss any matter which may arise during the term.

The course will be face-to-face.

## ASSESSMENT SYSTEM

<b>% end-of-term-examination/test:</b>	30
<b>% of continuous assessment (assignments, laboratory, practicals...):</b>	70

## CONTINUOUS ASSESMENT:

- 10% Attendance to sessions (80% are mandatory)
- 10% Participation in the course web Forum (on-line activity)
- 10% Class activities (attendance will be mandatory)
- 40% Presentation about women and science. Discussion in class (attendance will be mandatory)
- 30% Final test (on-line multiple choice test)

<b>% end-of-term-examination/test:</b>	30
<b>% of continuous assessment (assignments, laboratory, practicals...):</b>	70

Students who have failed in the first call must do a regular written exam.

#### BASIC BIBLIOGRAPHY

- Londa Schiebinger Has feminism changed science?, Harvard University Press, 1999
- Ruth Watts Women in Science : a Social and Cultural History , Routledge, 2007

#### ADDITIONAL BIBLIOGRAPHY

- Barbara Smith Shearer and Benjamin F. Shearer Notable Women in the Physical Sciences. A Biographical Dictionary, ABC-CLIO, 1997
- European Commision Women in science, Publications Office of the European Union, 2010
- Eve Curie Madame Curie: A Biography, Da Capo Press, 2001
- Marilyn Ogilvie and Joy Harvey The biographical dictionary of women in science : pioneering lives from ancient times to the mid-20th century, Routledge, 2000