

Academic Year: ( 2019 / 2020 )

Review date: 29-04-2020

Department assigned to the subject: Physics Department

Coordinating teacher: SANTALLA ARRIBAS, SILVIA NOEMI

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.

## ASSESSMENT SYSTEM

### CONTINUOUS ASSESMENT:

- 10% Attendance
- 10% Participation in the course web Forum
- 25% Paper on the invited talk
- 25% Presentation and discussion in class on women and science
- 30% Final Exam (on-line test exam)

It is compulsory to attend the invited talk and exhibitions of work by students.

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

<b>% end-of-term-examination:</b>	0
<b>% of continuous assessment (assigments, laboratory, practicals...):</b>	100

## 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