



SCIENTIFIC COMMUNICATION

CU characterization:

CU name:

Scientific Communication

Scientific area acronym:

CB - BCM

Duration:

Semiannual

Working hours:

84

Contact hours:

40

ECTS:

3

Observations:

T: 12 horas

TP: 8 horas

S: 8 horas

T: 12 horas

Teacher in charge and respective teaching load in the CU:

Gabriela Santos-Gomes - 14 horas

Other teachers and respective teaching load in the CU:

Ana Domingos - 14h

Ana Paula Arez -10h

Armanda Rodrigues – 12h

Fátima Nogueira -10h

Isabel Mauricio -12h

João Pinto - 12h

Rosa Teodósio – 12h

Sandra Antunes - 12

Intended learning outcomes (knowledge, skills and competences to be developed by the students):



At the end of the course, students should:

1. Use various digital tools to prepare a scientific paper
2. Recognize the constitution of a scientific article, poster, thesis or monograph
3. Clearly and concisely outline posters and articles for publication
4. Select the most appropriate information to convey in an oral communication
5. Communicate scientific information orally
6. Develop constructive criticism skills

Syllabus:

1. Technical aspects of scientific communication. Organization and presentation of tables and images (graphs, figures, tables, maps, diagrams).
2. Oral scientific communication: presentations, seminars
3. Scientific writing. Writing reports, theses and monographs
4. Structure, content, and design of posters
5. Structure and content of scientific articles (experimental, review). Citations and drawing up a list of references. Submission process.
6. Scientific evaluation methodology. Self-evaluation.
7. Ethics in scientific communication.

Teaching methodologies (including assessment):

Lectures

Theoretical-practical classes

Seminars

Assessment

The assessment of learning outcomes will be continuous, taking into account

1. attendance and participation in theoretical classes
2. performance in the preparation of oral presentations and posters
3. performance in seminars (formative assessment)

References for consultation / mandatory existence:

- Mason P, Wright P and Luu N H. Writing and Publishing a Scientific Article. 90pg
- Scientific writing and publishing results. Tropical Biology Association, UK. 14pg
- Bourne PE. 2007. Ten simple rules for making good oral presentations. PLoS Comput Biol. 3(4): e77.
- <http://colinpurrington.com/tips/poster-design#motivationaladvice>