

COURSE SYLLABUS 2019-2020

Basic information on the course			
Course:	Scientific and Technical Communication		
Course code:	70784254	Plan:	Masters in Mediterranean Greenhouse Horticulture
Academic Year:	2019-20	Undergraduate/Graduate:	Official Masters Degree
Degree Year:	1	Type:	Optional
Duration:	First semester		
TIME DISTRIBUTION ACCORDING TO REGULATIONS			
Credits:	3		
Total time:	75 hours (22.5 in class; 52.5 self-learning)		
USE OF LEARNING PLATFORM:	Semi-presential (b-learning)		

TEACHERS			
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OTHER IMPORTANT INFORMATION

Content justification

The subject "Scientific and technical communication" teaches various aspects of the transmission of scientific information to scientific audiences and also to non-scientific audiences such as farmers, technical advisers, policy makers, and administrators. Students are taught how to prepare scientific and technical documents, posters, abstracts and to make oral presentations. The subject also teaches how to locate and manage scientific information, and how to prepare research proposals.

Courses related in Study Plan

This subject is related to all other subjects of the Masters.

Pre-required knowledge

Students should have a good level of English (e.g. B2), and be able to use a personal computer

COMPETENCES

General competences

Key competences University of Almeria

- Knowledge of a second language
- Basic knowledge of the profession
- Skill in the use of ICT
- Capacity and self-criticism
- Ability to learn to work independently

Basic competences

- To understand and acquire knowledge
- Application of knowledge
- Ability to make judgments
- Ability to communicate

Specific competences

- Knowledge of the basics of scientific and technical communication, both written and oral;
- Knowledge and the capacity to use of the most relevant data bases to locate scientific and technical information.
- Capacity to identify the most relevant scientific journals for a possible article.
- Knowledge of procedures associated with applying for a research project

LEARNING OUTCOMES

- Know the different forms of scientific communication
- Be aware of the requirement to adapt science communication to different audiences
- Know the general characteristics of effective science communication
- Know the most important tools to locate scientific information
- Understand the basics of preparing scientific papers, abstracts and communications for congresses
- Understand the basics of effective oral presentations
- Understand the basics of preparing effective posters
- Understand the basics of preparing applications for research projects

COMPETENCY ASSESSMENT

Criteria and assessment tools

- Attendance and participation in class
- Answers to a questionnaire
- Quality of poster prepared by each student
- Quality of oral presentation prepared and presented by each student
- Quality of the Abstract prepared by each student
- Tests, exercises, problems.
- Final assessment of reports, papers, projects, etc..
- Final tests (written or oral).

Follow-Up Mechanisms

- Tutorials
- Questions in class

COURSE MATERIALS

Recommended course materials

How to write and publish a scientific paper. (*Day, R., Gastel, B.*)

Scientific papers and presentations (*Davis, M*)

Course materials available in UAL's library

WEBSITE

- <http://www.writing.engr.psu.edu/>

Writing Guidelines for Engineering and Science Students

- <http://io.uwinnipeg.ca/~clark/research/comm/comm.html>

Scientific Communication

- <http://www.cimms.ou.edu/~schultz/communication.html>

Good Scientific Communication Skills

- <http://www.sicb.org/newsletters/fa97nl/sicb/poster.html>

Mortal Sins in Poster Presentations or How to Give the Poster No One Remembers

- <http://www.ploscompbiol.org/article/info%3Adoi%2F10.1371%2Fjournal.pcbi.0030102>

Ten Simple Rules for a Good Poster Presentation

- <http://www.ploscompbiol.org/article/info%3Adoi%2F10.1371%2Fjournal.pcbi.0030077>

Ten Simple Rules for Making Good Oral Presentations