The aim of this course is presenting the young researchers the main fundamentals and skills for quality scientific production and communication, addressed to achieve the actual standards demanded by the scientific community and the widest spread of the new knowledge generated during their PhD.

Throughout this course, the students will learn the principal techniques for effective writing, including types of scientific documents, recommendations, rules, quality vs. quantity, contextualizing. On the other hand, the second part of this course is addressed to provide ideas and skills to communicate your generated knowledge to the scientific community, as presentations in congresses, paper submission, review and layout processes, web tools, editor’s view.

5. Descripció general de l’assignatura
The aim of this course is presenting the young researchers the main fundamentals and skills for quality scientific production and communication, addressed to achieve the actual standards demanded by the scientific community and the widest spread of the new knowledge generated during their PhD.

Throughout this course, the students will learn the principal techniques for effective writing, including types of scientific documents, recommendations, rules, quality vs. quantity, contextualizing. On the other hand, the second part of this course is addressed to provide ideas and skills to communicate your generated knowledge to the scientific community, as presentations in congresses, paper submission, review and layout processes, web tools, editor’s view.

6. Coneixements recomanats
As knowledge creation usually happens after a previous and wide documentation about the topic, trial performance and data analysis, communication of the knowledge generated to the scientific community for its validation, and finally, if appropriate, dissemination of this knowledge to the society, the teachers of the course recommend the students to attend previously to the course of “Documentació científica” offered by this University. For the same reason, it’s highly recommended to follow the present course before that offered about “Divulgació científica”.

7. Objectius de l’assignatura - Resultats de l’aprenentatge

Competència
CB15(G) Capacitat de comunicació amb la comunitat acadèmica i científica, i amb la societat en general, sobre els propis àmbits de coneixement, en les formes i idiomes d’ús habitual en la comunitat científica internacional corresponent.
CG10(E) Capacitat d’analitzar críticament i avaluar els propis resultats obtinguts, com també els obtinguts per altres investigadors.
CE01(E) Capacitat de redactar publicacions científiques de manera eficient dins d’un camp d’investigació determinat.
CB16(G) Capacitat de fomentar, en contextos acadèmics i professionals, l’avanç científic, tecnològic, social, artístic o cultural dins d’una societat basada en el coneixement.

Competències transversals
(08) Comunicació efectiva
- Activitats exercides relacionades amb l’adquisició de la competència
  - Descripció detallada de les activitats
  - Throughout the course 5 tasks (the students may do at least 4) are proposed that can be used to evaluate the effective communication of the students:
7. Objectius de l’assignatura - Resultats de l’aprenentatge

Competències transversals

- Titles
- Abstracts
- Workshop on Congress Poster
- Academic branding
- Paper submission using OJS.

The students must decide to do the task "Workshop on Congress Poster" or "Paper submission using OJS", in function of their own interest.

- Criteris d'avaluació
  The effective communication of each student will be evaluated as:
  - Poor (when the student successfully overcome 2 or less tasks)
  - Normal (when the student successfully overcome 3 tasks)
  - Good (when the student successfully overcome the 4 tasks)

8. Unitats didàctiques

1. Techniques for effective writing
   - Lesson 1. Types of papers: Select the adequate format to spread your knowledge. [Ground technique, Case study, Empirical data analysis, Theoretical/conceptual/discussion, Design, Short-Communications, Technical Note, Others (meta-analysis, cross-section, panel, book review...)]
   - Lesson 2. Title and abstract. Your visiting card. Read me!
   - Lesson 3. Implications and introduction. State of the art. Hypothesis. Is what you want to solve really original and interesting?
   - Lesson 4. Results and discussion. Tables, Figures, Illustrations¿. Ways to make your paper attractive and easier to read. How do you rate the quality of the paper?
   - Lesson 5. Contextualizing: Social sciences, art and architecture, and JCR environment. Interviews to qualified researchers of each area.

2. Scientific communication and publication
   - Lesson 7. Target journals, proceedings of meetings. Identifying appropriate communication tools for your scientific production. Essential bibliometric indicators (prestige, impact factor¿).
   - Lesson 8. Academic Branding. Support to develop a vision of your unique contribution (your ¿brand¿). Create a plan to actualize your brand, and offer guidance on creating a platform consistent with your brand.
   - Lesson 10. Paper submission. Authors/reviewers feedback. Relevance of referee task. How to review a scientific paper and possible issues that may occur.

9. Mètode d'ensenyança-aprenentatge

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TOTAL HORES: 2,00 2,00 58,00 60,00


10. Avaluació

Descripció | Núm. Actes | Pes (%) |
------------|-----------|---------|
(13) Autoavaluació | 7 | 35 |
(16) Cas | 5 | 65 |
The assessment of the course will be done by means of two procedures:
1. A total of 7 self-assessments (one at the end of main lessons) will be used as ongoing assessment of the evolution of the students. This part will suppose the 35% of the total assessment of the course.
2. Five cases about:
   + Creating attractive and appropriate Titles and Abstracts.
   + Summarizing my Results: Tables and Figures Workshop
   + Creating your Congress Poster
   + Planning my Brand
   + Paper submission to Open Journal System
This part will suppose the 65% of the total assessment of the course.