1. **Código:** 40000  
**Nombre:** COMUNICACIÓN CIENTÍFICA: HIGH STANDARDS FOR SCIENTIFIC PRODUCTION AND COMMUNICATION

2. **Créditos:** 2,00  
--**Teoría:** 2,00  
--**Prácticas:** 0,00

**Centro:** Escuela de Doctorado

3. **Coordinador:** Pascual Amorós, Juan José  
**Departamento:** ESCUELA DE DOCTORADO

4. **Bibliografía**

   - A Scientific Approach to Scientific Writing  
     John Blackwell

   - Science Communication in the World  
     Bernard Schiele

   - Preparing and Delivering Scientific Presentations  
     John Giba

   - How to Get Research Published in Journals  
     Day, Abby

   - Mastering scientific and medical writing : a self-help guide  
     Silvia M. Rogers

   - From Research to Manuscript: A Guide to Scientific Writing  
     Katz, Michael Jay

   - Social Work Research and evaluation: quantitative and qualitative approaches  
     Grinnell, RM

   - Research design : qualitative, quantitative, and mixed methods approaches  
     John W. Creswell

5. **Descripción general de la asignatura**

   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. **Conocimientos recomendados**

   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 “Documentación científica” offered by this University. For the same reason, it is highly recommended to follow the present course before that offered about “Divulgación científica”.

7. **Objetivos de la asignatura - Resultados del aprendizaje**

   **Competencia**

   CB15(G) Capacidad de comunicación con la comunidad académica y científica y con la sociedad en general acerca de sus ámbitos de conocimiento en los modos e idiomas de uso habitual en su comunidad científica internacional.

   CG10(E) Capacidad de analizar críticamente y evaluar los propios resultados obtenidos así como también los obtenidos por otros investigadores.

   CE01(E) Capacidad para redactar publicaciones científicas de manera eficiente dentro de un campo de investigación determinado.

   CB16(G) Capacidad de fomentar, en contextos académicos y profesionales, el avance científico, tecnológico, social, artístico o cultural dentro de una sociedad basada en el conocimiento.

   **Competencias transversales**

   (08) Comunicación efectiva

8. **Unidades didácticas**

   1. **Techniques for effective writing**

   1. 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...)]

   2. Lesson 2. Title and abstract. Your visiting card. Read me!

   3. Lesson 3. Implications and introduction. State of the art. Hypothesis. Is what you want to solve really original and interesting?

   4. 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?
8. Unidades didácticas

5. Lesson 5. Contextualizing: Social sciences, art and architecture, and JCR environment. Interviews to qualified researchers of each area.

2. Scientific communication and publication
   2. Lesson 7. Target journals, proceedings of meetings. Identifying appropriate communication tools for your scientific production. Essential bibliometric indicators (prestige, impact factor).
   3. 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.
   5. Lesson 10. Paper submission. Authors/reviewers feedback. Relevance of referee task. How to review a scientific paper and possible issues that may occur.

9. Método de enseñanza-aprendizaje

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TOTAL HORAS: 30,00


10. Evaluación

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The assessment of the course will be done by means of two procedures:
1. A total of 6 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 60% of the total assessment of the course.
2. Make a Case (Task) to choose between these two:
   + Creating your Congress Poster
   + Paper submission to Open Journal System
   This part will suppose the 40% of the total assessment of the course.

Those students who, having made the case and at least 3 of the tests, but they have not passed the course will be entitled to a final exam to retrieve the course.