WATER. INTERDISCIPLINARY ANALYSIS AND SUSTAINABLE MANAGEMENT

Complete list of competences

Basic competences

BC6. Knowledge forming the basis of original thinking in the development and/or application of ideas, typically in a research context.

BC7. Capacity to apply the acquired knowledge to problem-solving in new or relatively unknown environments within broader (or multidisciplinary) contexts related to the field of applied materials chemistry.

BC8. Capacity to integrate knowledge and tackle the complexity of formulating judgments based on incomplete or limited information, taking due consideration of the social and ethical responsibilities involved in applying knowledge and making judgments.

BC9. Capacity to communicate conclusions, judgments and the grounds on which they have been reached to specialist and non-specialist audiences in a clear and unambiguous manner.

BC10. Skills to enable lifelong self-directed and independent learning.

General competences

GC0. Capacity for effective public speaking.
GC1. Ability to analyze and interpret data.
GC2. Ability to use advanced tools for analysis.
GC4. Capacity to actively participate in research and innovation projects in the field of water.

Specific competences

SC1. Ability to identify and understand the fundamental aspects of the various branches of science involved in the water cycle.

SC2. Capacity to access and interpret basic legal concepts, legal institutions and conventions arising from regulations, allowing the distinction of the various legal instruments and techniques relating to water.

SC3. Ability to assess the costs of the financing and taxation of water (collection, treatment, distribution, purification, reuse, etc).

SC4. Capacity to incorporate the significance of water into all environmental content and analyses of the interaction of all natural elements, especially with regard to urban areas, infrastructure and housing.

SC5. Capacity for the critical assessment of evaluation reports on conventional and non-conventional water resources.

SC6. Ability to design, conduct and evaluate water projects, and communicate findings relating to legal, scientific, economic and social aspects.
SC7. Ability to identify collateral problems and potential risks involved with the alteration and modification of water.

SC8. Ability to develop and evaluate projects in which water plays a significant rol