General Competencies

G01. Students will know how to apply the knowledge acquired and will be able to solve problems in new or unfamiliar environments within broader or multidisciplinary contexts related to their area of study.

G02. They will be able to integrate knowledge and face the complexity of formulating judgements based on incomplete or limited information, including reflections on the social and ethical responsibilities linked to the application of their knowledge and judgements.

G03. They will be able to communicate their conclusions (and the knowledge and ultimate reasons that support them) to specialised and non-specialised audiences in a clear and unambiguous way, both orally and in writing.

G04. They will acquire the learning skills that will enable them to continue studying in a largely self-directed or autonomous manner.

G05. Multidimensional and multiscale analytical skills.

G06. Acquisition of terminology specific to the scientific field.

G07. Development of skills to integrate information from different sources.

G12. Critical spirit

G13. Ethical, socio-economic and environmental sensitivity

G14. Fostering an entrepreneurial spirit

G15. Promote and guarantee respect for human rights and the principles of universal accessibility, equality, non-discrimination, democratic values and the culture of peace.

Specific Competences

E01. To approach the object of study Natural Resources and Environment as an intersection between science, technology and society.

E02. Identify the scientific, ideological, political, cultural, etc. component that shapes any environmental problem and determines the possible responses to these problems.

E03. Ability to analyse problems related to natural and environmental resources and their complexity.

E04. Ability to take a multidisciplinary approach to an environmental problem.

E05. Ability to interpret the effects that geodynamic and geochemical processes generate, especially in their interrelation with biological and human activities.

E06. Ability to interpret and solve environmental problems derived from the sustainable development of natural resources.

E07. Ability to develop appropriate research tools for the study of environmental problems related to the physical environment, the exploitation of mineral resources, the contamination of ecosystems, waste, LCAs, EIAs, climate change, etc.

E08. Ability to produce themed cartographies, such as maps of natural and geological risks, maps of contamination of soils, rivers, etc., geochemical maps, soil maps.

E09. Ability to carry out geostatistical studies of data.

E10. Investigate and propose actions for the reduction of soil, air and water pollution, and their treatment and recovery.

E11. Ability to carry out an environmental impact assessment of any action involving changes in the environment and to propose alternatives.

E12. Ability to investigate problems of degradation of Historical Heritage due to environmental effects (climatic and anthropogenic) and to propose measures for its control and conservation.

E13. Ability to interpret the alternatives present in CO2 capture and storage technology, as well as their advantages and disadvantages.