

JEMES competencies and learning outcomes

JEMES provides outstanding opportunities to develop knowledge and skills in the following areas:

General intellectual skills:

- Problem solving and creativity; ability to work problem oriented
- Ability to adapt to new situations and technologies
- Capacity for analysis, synthesis, planning and organizing
- Conceptual thinking
- Competence to critically evaluate and interpret environmental problems and making appropriate decisions

Professional orientations and skills:

- Strong focus on sustainability
- Team work and communication skills necessary in multi-national teams
- Leadership capabilities, strong orientation for problem resolution
- Excellent writing and presentation skills
- Awareness of professional responsibilities, including ethic issues and technological assessment capabilities

Generic competencies / skills:

- Apply knowledge in earth sciences, social sciences, and technical sciences
- Work with international and multidisciplinary teams
- Plan, organize and supervise team work
- Make decisions
- Identify, determine, formulate, and resolve complex problems
- Communicate well, in public, in presentations, in meetings, in written documents
- Be able to communicate fluently in English and in at least one other foreign languages
- Be ethically responsible
- Analyze impact of solutions and proposals
- Develop of a European identity or strong links to Europe

Knowledge and Understanding:

- Theory and practice of management of complex environmental processes
- Environmental Management concepts, methods and tools in the field of cleaner production, industrial ecology and ecological economics
- Enhanced knowledge of technologies in environmental engineering
- Management of innovation and sustainability in European and international contexts

Knowledge (specific competencies):

- Earth sciences, social sciences, technical sciences base
- Tools and methods related to environmental topics
- Case studies
- Thesis research