

INNOVATIVE TRAINING FOR NEW PROFESSIONALS IN THE WATER RESOURCES SECTOR

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WATER RESOURCES

- Conservative sector with public and private stakeholders
- Economic, social, environmental and political implications
- Current and future challenges with high degree of uncertainty



- Multidisciplinary knowledge
- Tools and abilities to solve complex problems
- Communicate capabilities with all the agents involved

A NEW GENERATION OF WATER PROFESSIONALS IS REQUIRED



WATER RESOURCES SCIENCE AND TECHNOLOGY MSc, Udg

IMMERSION INTO
WATER

SPECIALISATION IN
WATER SCIENCES

SPECIALISATION IN
TECHN. SOLUTIONS

IMMERSION INTO
LABOUR MARKET

MASTER'S
THESIS

21 ECTS

9 ECTS

9 ECTS

15 ECTS

15 ECTS

PROBLEM BASED LEARNING METHODOLOGY

- Semi-autonomous cooperative learning process in small groups
- Real complex situations discussed in group instead of lecture-based classes
- Knowledge, skills and attitude are evaluated



PBL IMPLEMENTATION AT THE UNIVERSITY OF GIRONA

- 20 PBL cases (one per week)
- 10-15 students + 1 tutor
- 3 face-to-face sessions per case
- Complementary activities (labs, field...)
- Additional seminars and debates

Máster en Ciencia y Tecnología de los Recursos Hídricos

- Key words identification
- Learning objectives agreement
- Individual search for information
- Share and critical analysis of information
- Material and documentation generation