

## REMOTE SENSING APPLIED TO WATER RESOURCES

Responsible professor: JESÚS GÓMEZ ENRI

Credits: 2,5 ECTS

### Brief description of the contents:

- Introduction to remote sensing
- SRTM sensor
- Altimetry radar
- Synthetic aperture radar
- Optical sensors
- *Bilko* software

### Detailed programme:

LEARNING BLOCK	TOPIC OR ACTIVITY
B1	Theory: Introduction to remote sensing.
B2	Theory: Shuttle Radar Topography Mission (SRTM)
B3	Theory: Altimetry radar and synthetic aperture radar.
B4	Theory: Optical sensors/ Infrared.
B5	Practical: Introduction to BEAM VISAT software.
B6	Practical: On-line search of satellite images and data. Eoli.
B7	Practical: Introduction to managing BILKO software.
B8	Practical: Image processing with BILKO (I).
B9	Practical: Image processing with BILKO (II).
B10	Directed academic activity.

### Evaluation system:

SYSTEM	WEIGHT
Final exam	0 – 60
Written essays	40 – 100
Presentation of exercises, topics and projects	0 – 30
Laboratory practices and/or practice report	0 – 30