



SHORT PROGRAM

Remote Sensing Fundamentals and Methods: Applications to Soil, Vegetation, and Water

What you will Learn

- Understand the history and foundational theories behind the field of Earth Observation.
- Gained a basic knowledge of the main Earth Observation systems, technologies and data sets.
- Analyze imagery data using Earth Observation software.
- Understand the method of formal image interpretation
- Identify the key application areas in Earth Observation.
- Practice communicating concepts through formal written and visual forms



The Master's courses

- M1** | - Course Introduction ,
History of remote sensing ,
-Principles of electromagnetic radiation and the spectrum
- M2** | - Colour theory.
- Image resolution: spatial, spectral, radiometric and temporal resolution.
-Introduction to airborne and spaceborne imaging systems.
- Multispectral, hyperspectral and thermal remote sensing
- M3** | - Principles and techniques of image interpretation.
- Remote sensing of vegetation.
- M4** | - Remote sensing of water.
- Remote sensing of soils, landforms, and geology
- M5** | Final project work ,
Case study: Application to Al Moutmir vegetation, landscape and soil data

*Développer les talents,
Pour développer l'Afrique.*

Life on Campus

A comfortable place to live: The UM6P campus covers 33 hectares in the heart of the future green city of Benguerir and near Marrakech.

Catering: Students have access to a university restaurant offering varied and balanced menus.

Learning Center: An exclusive library with more than 13 000 books.

Sports Center: It has excellent sports facilities and offers carefully studied physical activities.



Additional information

Duration: 40 hours

Teaching mode: Face-to-Face

Language: English and/or French

Training Venue: Mohammed VI Polytechnic University Benguerir Campus

Seats: 10 to 15

Fees: please contact us for this information.

Office Hours

If students are having difficulties with the lab, they can see the instructor during his office hours (released at the beginning of the course) or e-mail him.



Contactez- nous



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