



Faculté d'ingénierie biologique, agronomique et environnementale

AGRO

BIR1313

Exercices intégrés de chimie du sol et de l'eau

[30h] 2.5 credits

This course is taught in the 2nd semester

Teacher(s): Bruno Delvaux, Joseph Dufey, Yves Dufrêne
Language: french
Level: 1st cycle course

Aims

Chimie générale; Sciences du sol

Practice of the working in a laboratory (security, respect, efficiency, quality, laboratory notebook, reports.)

Intelligent approach of the chemical analysis: laboratory work, comparison of methods, quality of the results.

Application of the chemical analysis to the field of agriculture engineering and the environmental sciences: soil and water.

Main themes

Practice of the current analytical methods, centered on the following themes:

- Soil analysis: acidity, exchange complex, nature, carbonates, nutrition elements and organic matter (chemical specification, bio-availability)
- Analysis of an aqueous solution: ionic balance and bio-mass (of the organic matter)

Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Precursory courses :General chemistry, Soil sciences

Evaluation : Report (written paper) and oral questioning about the latter.

Other credits in programs

BIR21/A	Première année du programme conduisant au grade de bio-ingénieur (Agronomie)	(2.5 credits)	Mandatory
BIR21/E	Première année du programme conduisant au grade de bio-ingénieur (Environnement)	(2.5 credits)	Mandatory