

- 5 Computer exercise on occupational exposure
- 6 Computer exercise on aquatic risk assessment
- 7 Lab: Leaching column experiment
- 8 Computer exercise on e-fate modelling
- 9 Class room debate on actual theme on pesticides

Initial competences

- 1 Knowledge of analytical techniques, representative sampling and validation of analytical methods;
- 2 Soil and water Chemistry and physics
- 3 Basic of informatics and statistics.

Final competences

- 1 Have knowledge on the mode of action, benefits and side effects of the use of plant protection products
- 2 Have insight in the authorization procedures, models and data needs (monitoring) for plant protection products ensuring safe use pesticides reducing human and environmental pressure
- 3 Analyze pesticide residues in various matrices and interpret results, including quality of the data
- 4 Have an in depth knowledge of the quality of residue data
- 5 Perform human and environmental exposure and risk assessment of pesticides
- 6 Communicate science and risks about plant protection products to different stakeholders

Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Seminar, Lecture, Practical

Extra information on the teaching methods

Lecture
 Practicals (groups of 2 students) + practical PC room classes + Reporting (permanent evaluation)
 Seminar (debate / life discussion group) – preparation
 Excursion

Study material

Type: Slides

Name: Learning material

Indicative price: Free or paid by faculty

Optional: no

Additional information: Slides and relevant documentation placed on UFORA. Software models for pesticide exposure and risk assessment placed on UFORA

References

Course content-related study coaching

Extra clarification from assistant, by e-mail and/or appointment

Assessment moments

end-of-term and continuous assessment

Examination methods in case of periodic assessment during the first examination period

Written assessment

Examination methods in case of periodic assessment during the second examination period

Written assessment

Examination methods in case of permanent assessment

Assignment

Possibilities of retake in case of permanent assessment

not applicable

Extra information on the examination methods

NPE is by evaluation of reports (introduction, objective, material&methods, results&discussion, conclusion, learning) of weekly practicals.

Calculation of the examination mark

Students need to have at least 10/20 for theory and 10/20 for practicals, if not they will fail for the whole course. The end-of-term assessment, the theory, will score for 66.6% of the total, practicals will score for 33.3%.