

# Fonctionnement, gestion et traitement des environnements aquatiques

## Lecturers

Nathalie GYPENS (Coordinator) and Frédéric DEBASTE

## Course mnemonic

ENVI-F4001

## ECTS credits

5 credits

## Language(s) of instruction

French

## Course period

Second term

L'eau, un trésor en partage, Ghislain De Marsily, Dunod, 2009.

## Other information

### Contact(s)

SERVAIS, Pierre, Ecologie des systèmes aquatiques - Campus Plaine CP 221, 1050 Bruxelles, pservais@ulb.ac.be, tél : 02 650 59 95; GYPENS Nathalie, Ecologie des systèmes aquatiques - Campus Plaine CP 221, 1050 Bruxelles, ngypens@ulb.ac.be, tél : 02 650 59 90; GODDEN Bernard, CRAW Bâtiment Petermann, rue du Bordia 4 5030 Gembloux, b.godden@cra.wallonie.be, bgodden@ulb.ac.be, tél: 081 62 50 19

## Course content

Agricultural environments :

Aquatic environments :

Functioning of the main aquatic environments (rivers, lakes, coastal areas), relationship between microbiological processes, biogeochemical cycles and water quality, management of human impact on aquatic systems. initiation to water treatment.

## Objectives (and/or specific learning outcomes)

Agricultural environments :

Aquatic environments:

Demonstration of the consistency of the functioning of various types of aquatic systems from the source to the ocean, relationship between the functioning and the human activities on the watershed, impact of management of human activities on water quality.

## Teaching method and learning activities

Theory illustrated by Power point présentations.

Several visits allow to illustration some aspects of the theory

## References, bibliography and recommended reading

Agriculture et Biodiversité, J. BERTRAND, 2001, Educagri Eds.  
Ressource use in organic farming, ENOF,1997. Agriculture intensive et qualité des eaux, C. CHEVERRY, INRA Eds.

## Evaluation method(s)

Other

### Evaluation method(s) (additional information)

Written examination with questions on each part of the course.

### Determination of the mark (including the weighting of partial marks)

record based on the written examination. The contribution of each question to the final record is indicated on the questionnaire distributed at the written examination.

### Main language(s) of evaluation

French

## Programmes

### Programmes proposing this course at the faculty of Sciences

MA-ENVI | Master in Environmental Science and Management | finalité Management of the environment/unit 1 and finalité Management of the environment/unit 2 and MA-GEOG | Master in Geography : General | finalité territorial Development/unit 2