GHENT UNIVERSITY

Course Specifications

Valid as from the academic year 2016-2017

Integrated Water Management, Case River 21 (I001941)

Course size (nominal values; actual values may depend on programme)

Credits 3.0 Study time 75 h Contact hrs 60.0 h

Course offerings in academic year 2016-2017

A (semester 2) English

Lecturers in academic year 2016-2017

Meire, Patrick	UA	lecturer-in-charge
Troch, Peter	TW15	co-lecturer
Van Damme, Stefan	UA	co-lecturer

Offered in the following programmes in 2016-2017	crdts	offering
Master of Science in Technology for Integrated Water Management	3	A

Teaching languages

English

Keywords

Integrated water resources management; Schelde river; shipping; drinking water; safety; nature; participation; planning, river basin management plans.

Position of the course

Contents

Intensive and international course on integrated water management. An international group of students work out a vision for a sustainable management of the Scheldt river basin. During the first week they travel from the source of the Scheldt in France to the mouth in the Netherlands and meet stakeholders and experts to get aware of the specific problems and challenges the basin is confronted with. In the second week the students must work together to work out a sustainable vision taking into account all functions and to formulate accompanying measures.

Initial competences

*General
not required
*Sequentiality
Module 1: Global water problems and integrated water management

Final competences

1 Understand the complexity of a river basin and the interaction between the natural system and the human socio-economic system.
2 Acquainted with the basics of international aspects of water management and how river basin management plans are made

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

Excursion, group work, lecture

Extra information on the teaching methods

Direct contact: lectures
Personal work: assignments – individual, excursion(s)
Group work: PGO-tutorial
The students have the first week excursions. During these excursions students make site visits where they see different aspects of the river and all related functions (shipping, recreation, nature, drinking water supply, sewage treatment,...). Also during these excursions several lectures by key experts and stakeholders are given either on the spot or at one of the participating institutions.
During this week the students are confronted with the different issues and challenges which they will analyse in small groups during the second week.

Learning materials and price

Information about the Schelde catchment will be made available through Blackboard

References

Documents, maps and scientific literature via Blackboard
Oral information from experts

Course content-related study coaching

staff is present during the whole course to supply extra information, to assist in vision building and to answer questions.

Evaluation methods

end-of-term evaluation and continuous assessment

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

Written examination

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

Written examination

Examination methods in case of permanent evaluation

Written examination, oral examination, participation, assignment, report

Possibilities of retake in case of permanent evaluation

examination during the second examination period is not possible

Extra information on the examination methods

The students are evaluated based on their participation during the first week and their performance in the second week. This is a continuous evaluation taking into account the activity of the student (questioning lecturers, discussions in small groups etc.). The final evaluation is based on the presentation of the results of the analysis performed during the second week. The presentations are given the last day of the course and all lecturers of the course are invited. After the presentation there is a lively debate with the students.

Calculation of the examination mark