

Module Title:

Please provide a module title which should have only 30 characters including punctuation and spaces .

Water Framework Directive

Module Code:

AM 0101

Maximum Number of Students:

Please include any limitation on the number of students able to take the module.

50 total (both EMQAL and WCM Students will attend)

Total ECTS Credits

This should be the sum of the credits for each of the semesters in which the module is to run.

2

Notional Learning Hours

(a) Contact Time - ___10___h

(b) Private Study - ___40___h

Format of Teaching:

Lectures ___10___h

Laboratories or Practicals ___h

Other (preparation of report) ___40___h

Teaching Strategy:

Please show how the contact hours are to be allocated in terms of the type of class involved.

Lectures and discussion.

During the lectures the students are introduced to concepts and given exercises to complete.

These will form the basis of the structured report.

Convener:

The name of the member of permanent staff responsible for the module.

Alice Newton

University / Department:

The name of the University and Department responsible for the module.

UAlg - DQBF

Language of Tuition:

Please state whether module is to be taught through the medium of English or another language. If bi-lingual please indicate % of each language

English

Students may submit report in English, French, Portuguese or Spanish

Module Description - The Purpose or Aims:

This should specify the purpose of the module where it fits into the programme specification and what it aims to provide. Please list the Aims in numerical order.

Introduction to environmental legislation on water quality.

The examples are based on EU legislation, the Water framework Directive and other EU environmental legislation on water quality.

Relevant monitoring, parameters, ISO and CEN are covered

Specific Learning Outcomes for this module: (contributing to general learning outcomes GLO 1 – GLO 10)

Learning Outcomes should provide statements which articulate what the student has achieved upon completion of the course. What will a student know, understand or be able to do?

Students will know what the main pieces of EU legislation regulating water quality are in Europe

Students will understand how this legislation is to be implemented with respect to monitoring, analysis and reporting.

Students will be able to investigate the legislation regulating water quality in their country / region of origin with respect to monitoring, analysis and reporting.

Summary of Course Content:

This should be a summary paragraph of list of the topics to be covered by the module.

Environmental Legislation and water quality in Europe

- Water Framework Directive
- Urban Waste Water Directive
- Nitrate Directive
- Shellfish Water Directive
- Bathing Water Directive
- Drinking Water Directive
- Relevant CEN and ISO

Transferable Skills Taught:

Please list in numerical order the key skills taught e.g. communication, information technology, interpersonal skills, teaching/study skills. Please relate these to benchmark statements.

Information technology, use of software such as word and excel, report writing, organization of information

Assessment Methods:

Details of assessment methods should include forms of assessment and the contribution of each to the summative assessment of the module. The relationship to the learning outcomes of the module should be explicit and the numbers of the various learning outcomes should be attached to the assessment methods listed. Please list in numerical order

Students prepare a structured report on environmental legislation relevant to water quality

Assessment Criteria:

Details of assessment methods should include forms of assessment and the contribution of each to the summative assessment of the module. The relationship to the learning outcomes of the module should be explicit and the numbers of the various learning outcomes should be attached to the assessment methods listed. Please list in numerical order.

Threshold: student presents tables and graphs with descriptive text.

Good: student presents tables and graphs with descriptive text. The student is able to interpret information and related to water quality criteria

Excellent: student presents tables and graphs with descriptive text. The student is able to interpret information and related to water quality criteria and gives clear statements to the water quality and potential uses of the water.

Resource Implications of Proposal and Proposed Solutions:

Details on any resources required and should be included. Please also list e.g core texts; recommended reading material; equipment; films etc.

Lecture room equipped with computer and video projector;

Computer room with access to web of science and "office-type" software

Bibliography: provided in pdf format at beginning of course

- Water Framework Directive
- Urban Waste Water Directive
- Nitrate Directive
- Shellfish Water Directive
- Bathing Water Directive
- Drinking Water Directive
- Peter Chave 2001
The EU Water Framework Directive
IWA publishing
208pp

Internet: access to CIRCA <http://circa.europa.eu/irc/env/wfd/info/data/get%20registered%20on%20wfd%20circa.htm>

Pre-Requisites:

Any module(s) which must have been taken prior to the current module, or any specific background required to take this module.

None