
Ano Letivo 2022-23

Unidade Curricular GLOBAL WATER PROBLEMS AND INTEGRATED WATER MANAGEMENT

Cursos ECOHIDROLOGIA APLICADA - Erasmus Mundus (2.º Ciclo)

Unidade Orgânica Faculdade de Ciências e Tecnologia

Código da Unidade Curricular 19311009

Área Científica CIÊNCIAS DO AMBIENTE

Sigla

Código CNAEF (3 dígitos) 420

Contributo para os Objetivos de Desenvolvimento Sustentável - ODS (Indicar até 3 objetivos) 6 13 14

Línguas de Aprendizagem English

Modalidade de ensino

presencial and remote

Docente Responsável

Luís Manuel Zambujal Chícharo

DOCENTE	TIPO DE AULA	TURMAS	TOTAL HORAS DE CONTACTO (*)
---------	--------------	--------	-----------------------------

* Para turmas lecionadas conjuntamente, apenas é contabilizada a carga horária de uma delas.

ANO	PERÍODO DE FUNCIONAMENTO*	HORAS DE CONTACTO	HORAS TOTAIS DE TRABALHO	ECTS
2º	S1	16T; 6TP; 10S	78	3

* A-Anual;S-Semestral;Q-Quadrimestral;T-Trimestral

Precedências

Sem precedências

Conhecimentos Prévios recomendados

Not required

Objetivos de aprendizagem (conhecimentos, aptidões e competências)

At the end of the course the student must have an insight in the complexity of the water system and understand the need for a holistic approach. They must have an insight in the different demands for water and methods to reconcile all the demands in a sustainable way

Conteúdos programáticos

Integrated water resources management is the concept that tries to integrate all different functions of water systems taking into account supply and demand and this within the context of the physical, chemical and ecological characteristics of the system. The main aim is to provide enough and high quality water for all life.

Within this module the different aspects of integrated water resources management are discussed.

Metodologias de ensino (avaliação incluída)

Teaching methods:

- Class contact teaching
- Lectures
- Guest lectures
- Assignments In group
- Directed self-study

Evaluation Methods:

Examination

- Written with oral presentation

Continuous assessment

- Case studies
-

Bibliografia principal

Lenton R & M. Muller (Eds), 2009. Integrated Water Resources Management in Practice: Better Water Management for Development. Earthscan

Academic Year 2022-23

Course unit

Courses Applied Ecohydrology - Erasmus Mundus (2.º Cycle)

Faculty / School FACULTY OF SCIENCES AND TECHNOLOGY

Main Scientific Area

Acronym

CNAEF code (3 digits) 420

Contribution to Sustainable Development Goals - SGD (Designate up to 3 objectives) 6 13 14

Language of instruction English

Teaching/Learning modality presencial and remote

Coordinating teacher Luís Manuel Zambujal Chícharo

Teaching staff	Type	Classes	Hours (*)
----------------	------	---------	-----------

* For classes taught jointly, it is only accounted the workload of one.

Contact hours	T	TP	PL	TC	S	E	OT	O	Total
	16	6	0	0	10	0	0	0	78

T - Theoretical; TP - Theoretical and practical ; PL - Practical and laboratorial; TC - Field Work; S - Seminar; E - Training; OT - Tutorial; O - Other

Pre-requisites

no pre-requisites

Prior knowledge and skills

not required

The students intended learning outcomes (knowledge, skills and competences)

At the end of the course the student must have an insight in the complexity of the water system and understand the need for a holistic approach. They must have an insight in the different demands for water and methods to reconcile all the demands in a sustainable way

Syllabus

Integrated water resources management is the concept that tries to integrate all different functions of water systems taking into account supply and demand and this within the context of the physical, chemical and ecological characteristics of the system. The main aim is to provide enough and high quality water for all life.

Teaching methodologies (including evaluation)

Teaching methods:

- Class contact teaching
- Lectures
- Guest lectures
- Assignments In group
- Directed self-study

Evaluation Methods:

Examination

- Written with oral presentation

Continuous assessment

- Case studies
-

Main Bibliography

Lenton R & M. Muller (Eds), 2009. Integrated Water Resources Management in Practice: Better Water Management for Development. Earthscan