

Degree	Type	Year	Semester
2500250 Biology	OB	3	1

Contact

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Use of languages

Principal working language: catalan (cat)

Some groups entirely in English: No

Some groups entirely in Catalan: No

Some groups entirely in Spanish: No

Other comments on languages

The main vehicular language will be Catalan. The seminar in large group will be in Catalan, Castilian or English, depending on the invited speaker. The work of the course can be done in Catalan, Castilian or English.

Prerequisites

There are no prerequisites.

Objectives and Contextualisation

The course of Health and Environment is integrated in the field of Human Biology and, together with the course of Human Biology (second year), give the basics of human biology that can deepen with fourth year courses (Forensic Anthropology, Molecular Anthropology, Human Genetics, Human Origins and Primatology).

In this context, the course of Health and Environment main objective has the study of the different aspects of human variability, both morphologically and physiologically and genetically, with respect to adaptation, acclimatization and adjustment to the environment. The role of different abiotic and biotic factors in the adaptability of the human species is related. Also, it is discussed the issues related to health when the adaptive balance is disturbed.

Content

Thematic Block I- Presentation and introduction to the course

Theme 1- Presentation and introduction to the course of Health and Environment

Thematic Block II Demography and Epidemiology

Theme 2- Demography of human populations

Theme 3- Epidemiology of human populations

Thematic Block III- Human adaptation

Theme 4- Human adaptation to climate

Theme 5- Human adaptation to solar radiation

Theme 6- Human adaptation to altitude

Thematic Block IV- Human Nutrition

Theme 7- Nutrition and nutritional status assessment

Theme 8- Human nutritional evolution

Theme 9- Malnutrition and Nutrigenomics

Thematic Block V- Environment and disease

Theme 10- Infectious disease from an evolutionary perspective

Theme 11- Ecogenetics and Pharmacogenetics

Theme 12- The intrauterine environment

Theme 13- The urban environment

Thematic Block VI- Practices

Demography and epidemiology (Team research work)

Morphological variability and somatometry

Diet assessment