



BIO1113

## General, functional and systematic anatomy

[45h] 5 credits

**Teacher(s):** Catherine Behets Wydemans  
**Language:** French  
**Level:** First cycle

### Aims

The aim of this course is to teach the student all the morphological data necessary in order to acquire a mental 3D representation of different systems of the human body. By the end of the course, the student should be able to accurately localise a structure, describe it in precise details and explain the key correlations between its shape and function. Finally, he should be able to master the basic anatomical concepts indispensable to the comprehension of courses in physiology, semiology and pathology that are proper to his specific study program.

### Main themes

The main themes covered to meet these objectives are the following:

- important anatomical concepts (space plans, terminological conventions, regions, systems, anatomical pointers, etc.)
- introduction to systems. The course covers the human body, system by system, insisting on the relationship between form and function as well as on the topographical and functional interdependence between structures studied.

### Content and teaching methods

Content:

- general concepts;
- the skeletal system, the joints, the muscles and the locomotion function;
- the nervous system, the sense organs and the sensorimotor function;
- the heart, the vessels and the circulatory function;
- the thoracic and abdominal viscera and the respiratory, digestive and urogenital functions.

Methods: oral lectures with drawings on the blackboard and anatomical slides. The lesson will structure the anatomical description with reference to functional, medical, paramedical or sport points of view.

### Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Evaluation: written or oral examination and/or continuous evaluation

Support: syllabus and/or book(s). Anatomical pieces (skeleton, anatomical model), Atlas, CD-rom: use of available informatic tools for studying 3D representation of the human body will be encourage.

### Other credits in programs

<b>SCA11BA</b>	Première année polyvalente en sciences naturelles - groupe A (5 credits)	Mandatory
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