


 Faculty of Sciences

BIOL2287 Comparative animal physiology and morphology

[60h+45h exercises] 11 credits

This course is taught in the 1st semester

Teacher(s): Jérôme Mallefet, Claude Remacle
Language: French
Level: Second cycle

Aims

The content of the course brings students a study of functions that they have not seen in general courses. Emphasis is put on physiology and morphology of animals. In this context students will particularly pay attention to comparison of solutions brought by different animal groups. Students present a personal work (written and oral presentation) in which they develop a subject chosen in accordance with teachers and discussed with other participants of the course. Seminars (criticism of articles) during the year will allow the student to build up his knowledge in the particular field of study.

Main themes

Examples of themes :

- survival strategies of organisms in extreme conditions such as polar temperatures as well as desert, lack of oxygen, of food
- endocrine growth control and metabolism
- reproduction mechanisms and controls.

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

One part of competences available for students will be based on talks, lectures and comments. Another part, will be based on a personal work that student will choose and present during seminars.

Evaluation:

- analyse of personal work (written and oral)
- exam on taught matter.

Other credits in programs

BIOL22/B Deuxième licence en sciences biologiques (Biologie des organismes et des populations) (11 credits)