



**LUND**  
UNIVERSITY

Faculty of Science

## **BIOB09, Biology: Animal Physiology, 7.5 credits**

*Biologi: Zoofysiologi, 7,5 högskolepoäng*

First Cycle / Grundnivå

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### **Details of approval**

The syllabus is an old version and was last revised on 2012-11-21 by Study programmes board, Faculty of Science. . The revised syllabus applied from 2012-11-21. , spring semester 2013.

### **General Information**

The course is an optional first-cycle course for a degree of Bachelor in Biology.

*Language of instruction:* Swedish

*Main field of studies*

Biology

Biology

*Depth of study relative to the degree requirements*

G1F, First cycle, has less than 60 credits in first-cycle course/s as entry requirements

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### **Learning outcomes**

On completion of the course the student shall be able to:

- account for and explain how animals have adapted physiologically to different environments, particularly digestion and energy metabolism, temperature effects and temperature regulation, exchange and transport of oxygen and carbon dioxide, circulation and barophysiology
- evaluate his/her knowledge, communicate an understanding of the subject, and cooperate within a group
- apply and deepen his/her knowledge by analysing physiological problems

### **Course content**

The animals' organ systems are studied from a physiological perspective, with special consideration to how they are adapted to environmental factors such as energy supply, temperature, levels of oxygen and carbon dioxide, water supply and osmolarity.

## **Course design**

The teaching is mainly in the form of teacher-supervised group studies and lectures. The group studies constitute an essential part of the course content. Participation in group studies, and thereby integrated teaching, are compulsory.

## **Assessment**

The examination takes place orally (in groups or individually) or written, either gradually during the course or at the end of the course. For students who have not passed the regular examination, an additional examination in close connection to this is offered

*Subcourses that are part of this course can be found in an appendix at the end of this document.*

## **Grades**

Marking scale: Fail, Pass, Pass with distinction.

To pass the course, the student should have passed the examination and carried out all compulsory components in the course with approved result. To pass with distinction, it is required that the student has performed passed with distinction on a written examination at the end of the course.

## **Entry requirements**

For admission to the course, knowledge is required equivalent to: MOBA01 Cell Biology 15 credits, and BIOA01 Genetics and Microbiology 15 credits.

## **Further information**

The course may not be included in degree together with BIO636 Zoophysiology 10 credits, BIO587 Marine Physiology 7.5 credits, or BIOB07 Marine Physiology 7.5 credits.

## Subcourses in BIOB09, Biology: Animal Physiology

Applies from H08

0801 Animal Physiology, 7,5 hp  
Grading scale: Fail, Pass, Pass with distinction