

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

*Biologi: Zoofysiologi, 7,5 högskolepoäng*

**First Cycle / Grundnivå**

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### **Details of approval**

The syllabus was approved by on 2008-06-11 and was last revised on 2016-01-29 by Study programmes board, Faculty of Science. The revised syllabus applies from 2016-01-29, spring semester 2016.

### **General Information**

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

*Language of instruction:* Swedish

*Main field of studies*

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

### **Learning outcomes**

#### **Knowledge and understanding**

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

- account for how animals have adapted physiologically to different environments
- explain their adaptations for digestion and energy metabolism
- account for temperature effects and temperature regulation in animals
- describe the exchange and transport of oxygen and carbon dioxide as well as the circulatory system and barophysiology

## Competence and skills

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

- apply his/her knowledge to analyse physiological problems
- discuss physiological issues in groups

## Judgement and approach

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

- evaluate his/her knowledge and judiciously communicate an understanding of the subject

## Course content

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

## Course design

The teaching mainly consists of lectures, teacher-led group studies, and exercises. The group studies constitute an essential part of the course. Participation in group studies, exercises, and thus other integrated teaching, is compulsory.

## Assessment

The examination takes place as an oral or written examination, and through the compulsory parts 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 entire course, students must pass all compulsory parts. The final grade is based on the result of the examination.

## Entry requirements

For admission to the course, English 6/English B and knowledge corresponding to MOBA01 Cell Biology 15 credits, and BIOA01 Genetics and Microbiology 15 credits, is required.

**Further information**

The course may not be included in a degree together with BIO636 Animal Physiology 15 credits, or BIO587/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