



# **P000095, Host-microbe interactions in the gut, 3.0 Hp**

## **Syllabus**

Finalized by: Finalized by: FUN, 2024-05-21, 2024-05-21

### **Level within study regulation:**

Third cycle

### **Grading scale:**

Pass / Failed

### **Course language:**

Swedish

### **Entry requirements:**

Admitted to a postgraduate program in animal science, biology, veterinary medicine, food science, nutrition, nursing, or related subjects, or to a residency program in veterinary science.

### **Objectives:**

After completing the course, the student should be able to:

- describe different interactions between gut microbes and their mammalian hosts in health and disease
- explain basics of the mucosal defense system
- describe the different methods used to study the microbiome and their limitations
- perform basic analyses of microbiome data

**Content:**

The course covers topics such as gut microbiome and host interactions and the methodology including data analysis. Both lectures, exercises, seminars and group discussions will be used. The lectures, seminars and exercises will be distributed out over the whole course period, but with more emphasis on lectures in the beginning of the course whereas data exercises and seminars will take place more towards the end of the course.

**Modes of assessment:**

Successful completion requires 80% attendance, active participation in discussions during lectures and exercises, and completion and presentation of individual course projects. - If a student has failed an examination, the examiner has the right to issue supplementary assignments. This applies if it is possible and there are grounds to do so.

- The examiner can provide an adapted assessment to students entitled to study support for students with disabilities following a decision by the university. Examiners may also issue an adapted examination or provide an alternative way for the students to take the exam.
- If this syllabus is withdrawn, SLU may introduce transitional provisions for examining students admitted based on this syllabus and who have not yet passed the course.
- For the assessment of an independent project (degree project), the examiner may also allow a student to add supplemental information after the deadline for submission. Read more in the Education Planning and Administration Handbook.

**Organisation:**

Department of Applied Animal Science and Welfare

**Supplementary information****Other information:**

- The right to participate in teaching and/or supervision only applies for the course instance the student was admitted to and registered on.
- If there are special reasons, students are entitled to participate in components with compulsory attendance when the course is given again. Read more in the Education Planning and Administration Handbook.