



Sveriges lantbruksuniversitet  
Swedish University of Agricultural Sciences

# SLUkurs

## Syllabus

**PNS0165 Advances in Enzyme Regulation, 5.0 credits**

## Syllabus approved

2018-10-02

## Subjects

Biology

## Education cycle

Third cycle

## Grading scale

Pass / Failed

The requirements for attaining different grades are described in the course assessment criteria which are contained in a supplement to the course syllabus. Current information on assessment criteria shall be made available at the start of the course.

## Language

English

## Prior knowledge

Basic knowledge in chemical biology and molecular sciences.

## Objective, including learning outcomes

After completing the course the student shall be able to

-Discuss and argue on the current trends and approaches in chemical biology and molecular sciences.

- Propose innovative multidisciplinary research
- Avoid common mistakes in writing research proposals.

## **Content**

The course encompasses two cross-linked modules. The first module includes eleven lectures on the cutting-edge theory and methods in chemical biology, with the emphasis on enzyme structure and function, delivered by world leading researchers. Each lecture is followed by a round-table discussion with students. The new knowledge the students get through the first module shall inspire them to advance their own areas of research by implementing innovative methodology and approaches they have learned. Thus, during the second module of the course students will formulate and "sell" their novel research ideas in a form of a brief research proposal. The written proposals will be evaluated for quality and impact. This will improve students' skills in preparing grant applications, a key quality of a successful researcher.

## **Requirements for examination**

Submission of own research proposal. Besides, students are expected to take active part in discussions after each lecture.

## **Additional information**

PhD-students and postdocs from SLU and other Swedish Universities are welcome to register for this course, although the SLU PhD-students will be given priority.  
Max number of participants: 15  
Min number of participants: 5  
NB! The lectures are open to everyone.

For more information contact Galia Zamaratskaia. [Galia.Zamaratskaia@slu.se](mailto:Galia.Zamaratskaia@slu.se)

## **Responsible department**

Department of Molecular Sciences