



DEPARTMENT OF CHEMISTRY AND MOLECULAR BIOLOGY

BIO335 Applied Project in Molecular Biology, 15 credits

Verksamhetsförlagt projekt i molekylärbiologi, 15 högskolepoäng

First Cycle

Confirmation

This course syllabus was confirmed by Department of Chemistry and Molecular Biology on 2012-10-22 and was last revised on 2022-05-06 to be valid from 2022-05-13, autumn semester of 2022.

Field of education: Science 100%

Department: Department of Chemistry and Molecular Biology

Other participating department

Department of Chemistry and Molecular Biology

Position in the educational system

This is an in depth course at undergraduate level that can be included as part of a Bachelor's degree in Biology or Molecular Biology, or as part of a Master's degree in Biology, Molecular Biology or Genomics and Systems Biology. The course can also be taken as a freestanding course.

Main field of studies

Biology

Molecular Biology

Specialization

G2F, First cycle, has at least 60 credits in first-cycle course/s as entry requirements

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Entry requirements

Completed basic courses in biology comprising 60 credits in the subject areas of cell biology, molecular genetics, evolution, botanical and zoological physiology, ecology and biodiversity and systematics, or equivalent, of which at least 45 credits must be approved.

At least one in depth course of 15 credits in a relevant area are also needed.

To provide the requirement in English by an internationally recognized test, for example TOEFL, IELTS, the English proficiency should be equivalent to the level of English 6/English Course B from Swedish Upper Secondary School.

Learning outcomes

On successful completion of the course the student will be able to:

Knowledge and understanding

Demonstrate knowledge and understanding of the theoretical background to the project selected.

Competence and skills

Apply previously achieved theoretical knowledge in practice.

Ability to independently plan and conduct the project.

In writing account of the work carried out in a detailed and interesting way.

Judgement and approach

Demonstrate the ability to identify their need of further knowledge and to develop their competence.

Course content

The student performs under supervision a scientifically structured investigation or an application of previously gained knowledge in the biological field. The project can be done at the Department of Biology and Environmental Science, at another institution in the same subject area or externally on companies or government agencies.

Form of teaching

The work must be presented in an essay or report in English.

Language of instruction: English

Assessment

Both practical skills and the written report will be evaluated. Detailed criteria for the evaluation will be made available for the student during the course.

If a student, who has failed the same examined component twice, wishes to change examiner before the next examination, a written application shall be sent to the department responsible for the course and shall be granted unless there are special reasons to the contrary (Chapter 6, Section 22 of Higher Education Ordinance).

In cases where a course has been discontinued or has undergone major changes, the student shall normally be guaranteed at least three examination occasions (including the ordinary examination) during a period of at least one year from the last time the course was given.

Grades

The grading scale comprises: Pass with Distinction (VG), Pass (G) and Fail (U).

Course evaluation

Opportunity to submit a written course evaluation is given at the end of the course.

The results of and possible changes to the course will be shared with students who participated in the evaluation and students who are starting the course.

Additional information

To be accepted on the course, the student must have found a supervisor and a project that can be approved by the instructor for the course.