

GOVERNING DOCUMENT

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General syllabus for the doctoral programme in the
subject of:

BIOLOGY with specialisation in MOLECULAR BIOTECHNOLOGY

Valid as of 16 September 2013

Department to which the syllabus applies
CHEMISTRY AND BIOTECHNOLOGY

Subject code
NBIMOL00

The goals and design of the programme may vary between departments (see 4. Miscellaneous)

Regulations for third-cycle (doctoral) education at SLU

These can be found in the [Guidelines for third-cycle \(doctoral\) education](#) (reg. no. SLU ua Fe.2012.40-3218) and [Admission regulations for third-cycle \(doctoral\) education at SLU](#) (reg. no. SLU ua Fe.2012.4.4-3467). These governing documents specify rules and recommendations regarding *Eligibility, Recruitment and admission, Joint education leading to double or joint degrees, Supervision, Scope and contents of the education, Planning and follow-up of the education, What should be done if the studies are not working?, Examination and Degree diplomas.*

General study plans for subjects within the doctoral studies can provide additional, subject-specific rules in addition to these joint rules. This document specifies the subject-specific rules for the subject of biology with specialisation in molecular biology. In other respects the third-cycle studies in this subject shall adhere to the Guidelines for third-cycle education and the Admission regulations for third-cycle education at the Swedish University of Agricultural Sciences.

1. Purpose and objectives

After completing the programme, the student should be familiar with the general tools of science as well as the research methods that are typical of the subject field biology. The subject includes the study of biological structures and processes on a molecular level and the application of molecular biology concepts and methods.

The purpose is to meet the qualitative targets for third-cycle studies specified in the Higher Education Ordinance, Annex 2 – Qualifications ordinance.

2. Entry requirements

Those admitted shall meet the following specific entry requirements.

The specific entry requirements for biology, specialising in molecular biotechnology, are normally knowledge corresponding to at least 120 credits in biology, chemistry, physics and/or technology, of which at least 30 credits are in molecular biology, cell biology, biochemistry, biotechnology or equivalent subjects.

3. Scope and content of the programme

The programme contains two main elements: research and coursework.

Research

While studying, the student shall conduct independent research work which is presented in a doctoral thesis normally corresponding to 165–210 credits. The thesis can be presented as a monograph or as a compilation thesis, of which the latter is the standard.

A licentiate degree requires academic work corresponding to 85–105 credits. The thesis must be written in English.

Courses

The student is required to undertake coursework which corresponds to at least **30** credits for a Degree of Doctor. A licentiate degree requires at least **15** credits. These studies shall include suitable general courses as well as individually selected subject courses. Participation in courses linked to a graduate school or equivalent network is encouraged.

4. Miscellaneous

Further information about third-cycle studies is available in SFS 2006:1053, and information about grants can be found in SFS 1995:938 as amended by 1998:81 (reprint), 1998:161 and 2006:1053. Information about third-cycle studies at SLU is available in the Admission regulations for third-cycle (doctoral) education (reg. no SLU ua Fe.2012.4.4-3467) with the annex to the Board's decision of 6 November 2012, reg. no SLU ua 41-1482/07, the vice-chancellor's decision and guidelines for doctoral education at the Faculty of Natural Resources and Agricultural Science (reg. no SLU ua Fe.2012.40-3218).

5. Annexes

There are no annexes.