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## General syllabus for the doctoral programme in the subject of:

### ENVIRONMENTAL COMMUNICATION

Valid as of 1 January 2017

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Department to which the study plan applies  
URBAN AND RURAL DEVELOPMENT

Subject code:  
NJxxxx

The intended outcomes and the design of programmes can vary between faculties (see point 3. Miscellaneous).

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The subject of environmental communication (“miljökommunikation”) is interdisciplinary, critical and phenomenological in character with a focus on social sciences. Based on problems with relevance to society, environmental communication develops knowledge of all types of communication and change processes associated with human management of natural resources. Environmental communication strives to maintain a dialectical relationship between theory and empiricism, as well as between the various disciplines involved in the subject area.

#### *Regulations for third-cycle (doctoral) education at SLU*

Third-cycle (doctoral) education is regulated by the Higher Education Ordinance (SFS 1993:100) and the Ordinance for the Swedish University of Agricultural Sciences (SFS 1993:221).

In addition, SLU has regulations for the following:

- Recruitment and admission, in Admission regulations for third-cycle (doctoral) education (SLUID: SLU.ua.2018.1.1.1-930)
- Joint programmes leading to a double or joint degree
- Supervision
- Scope and content of programmes
- Planning and follow-up of programmes
- Procedure when a course or programme is unsatisfactory
- Examination
- Degrees.

These can be found in Guidelines for third-cycle (doctoral) education (SLUID: SLU.ua.2018.1.1.1-4677).

A general syllabus must indicate the following: the main content of the programme, specific entry requirements and any other regulations required. All general syllabuses must be approved by the faculty board.

The programme is organised in a way that allows doctoral students to meet the qualitative targets for third-cycle courses and programmes specified in the *Higher Education Ordinance's Annex 2 – Qualifications Ordinance*:

***Qualitative targets according to the Qualifications Ordinance: Degree of Doctor***

***Outcomes***

***For the Degree of Doctor the third-cycle student shall***

*Knowledge and understanding*

- *demonstrate broad knowledge and systematic understanding of the research field as well as advanced and up-to-date specialised knowledge in a limited area of this field, and*
- *demonstrate familiarity with research methodology in general and the methods of the specific field of research in particular.*

*Competence and skills*

- *demonstrate the capacity for scholarly analysis and synthesis as well to review and assess new and complex phenomena, issues and situations autonomously and critically;*
- *demonstrate the ability to identify and formulate issues with scholarly precision critically, autonomously and creatively, and to plan and use appropriate methods to undertake research and other qualified tasks within predetermined time frames and to review and evaluate such work;*
- *demonstrate through a dissertation the ability to make a significant contribution to the formation of knowledge through his or her own research;*
- *demonstrate the ability in both national and international contexts to present and discuss research and research findings authoritatively in speech and writing and in dialogue with the academic community and society in general;*
- *demonstrate the ability to identify the need for further knowledge and*
- *demonstrate the capacity to contribute to social development and support the learning of others both through research and education and in some other qualified professional capacity.*

*Judgement and approach*

- *demonstrate intellectual autonomy and disciplinary rectitude as well as the ability to make assessments of research ethics, and*
- *demonstrate specialised insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used.*

**Outcomes*****For a Degree of Licentiate the third-cycle student shall****Knowledge and understanding*

- *demonstrate knowledge and understanding in the field of research including current specialist knowledge in a limited area of this field as well as specialised knowledge of research methodology in general and the methods of the specific field of research in particular.*

*Competence and skills*

- *demonstrate the ability to identify and formulate issues with scholarly precision critically, autonomously and creatively, and to plan and use appropriate methods to undertake a limited piece of research and other qualified tasks within predetermined time frames in order to contribute to the formation of knowledge as well as to evaluate this work;*
- *demonstrate the ability in both national and international contexts to present and discuss research and research findings in speech and writing and in dialogue with the academic community and society in general, and*
- *demonstrate the proficiency required to participate autonomously in research and development work and to work autonomously in some other qualified capacity.*

*Judgement and approach*

- *demonstrate the ability to make assessments of ethical aspects of his or her own research;*
- *demonstrate insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used, and*
- *demonstrate the ability to identify the personal need for further knowledge and take responsibility for his or her ongoing learning.*

**1. Programme content and scope**

The programme contains two main elements: research and coursework.

**Research**

In this educational programme, the student will carry out independent research, resulting in a thesis which must correspond to at least 150 higher education credits (HEC) for a doctoral degree and 60 HEC for a licentiate degree. The thesis may be submitted as a compilation thesis or as a monograph. The thesis should be written in English or Swedish.

The thesis must be of good scientific quality and be relevant to the research within the chosen subject area. The requirement of independence does not exclude the possibility of the thesis work being part of a larger research project. The thesis

should be an original work and meet the normal requirements for scientific quality. A monograph must meet the same quality requirements as a compilation thesis.

A compilation thesis comprises 3–5 papers, all of which must be of such a standard that they may be published in peer-reviewed, international scientific journals. The summarising chapter (“kappa”) of a compilation thesis must place the student's work in an international academic context and provide a synthesis of the different papers.

## Courses

The student is required to undertake coursework which corresponds to at least 45 HEC for a Degree of Doctor and at least 30 HEC for a Degree of Licentiate. This must include suitable general courses as well as elective subject courses.

The courses are to be divided into the following two areas:

- a) Environmental communication, at least 20 HEC. This includes thematic courses as well as courses relevant to the subject from disciplines such as social psychology, sociology, politology, anthropology, human ecology, nature resource theory, linguistics, pedagogics, organisational and planning theory.
- b) Social science research methodology and theory of science, at least 10 HEC.

The doctoral student is encouraged to participate in third-cycle courses at other higher education institutions, nationally or abroad, in consultation with the principal supervisor. The doctoral student is expected to participate in seminars and conferences in environmental communication at other higher education institutions, nationally and abroad, and to follow some international journals relevant to the research area.

According to the current guidelines for doctoral education (SLU ua 2018.1.1.1-4677), all doctoral and licentiate degrees at SLU must include credit awarding courses of philosophy of science and research ethics at PhD-level. These courses should also cover rules on cheating and plagiarism.

## 2. *Specific entry requirements*

Those admitted must meet the following specific entry requirements.

The specific entry requirement is normally knowledge corresponding to at least 90 HEC in social science subjects and subjects that provide familiarisation with the issues of the intended research field.

*3. Miscellaneous*

Each faculty offering the third-cycle subject can choose to specify specialisations or requirements in addition to the general syllabus. These requirements must be documented in an appendix.

## APPENDIX 1

### Specific entry requirements at the Faculty of Veterinary Medicine and Animal Science

*Follow-up procedures:*

In connection with the mid-way review, the doctoral student must deliver a seminar. The mid-way review is documented in a report which is sent to the faculty, together with the doctoral student's current study plan. In the mid-way report, the student and the supervisors summarise and comment on substantial changes that have been made to the original study plan, as well as the commitments and responsibilities of the doctoral student and the supervisors respectively. In addition, the department submits an assessment of whether the doctoral student has completed 50 % of the programme and of whether the conditions are likely to allow the student to complete the programme according to the current plan.