

PhD-Structure at ELLS-Universities

1. To which extent do the structures correspond with the plans of the European Union?
2. How can you use the ELLS network for further development (e.g. network for thesis evaluation, supervisor-teams,...)?

	SCIENCE	UHOH
Degree	PhD – Doctor of Philosophy	<ul style="list-style-type: none"> - Doctor of Natural Sciences (Dr. rer. nat.) - Doctor of Agricultural Science (Dr. sc. agr.) - Doctor of Economic Science (Dr. oec.) - Doctor of Social Science (Dr. rer. soc.)
Duration	3 years	3-6 years (depending on the subject)
ECTS	180	Not in PhD programmes
Coursework	30 ECTS PhD courses The PhD School has established 19 generic PhD courses and offers each year approximately 90 scientific PhD courses.	Little attendance of lectures is required
Thesis	The thesis can be based on manuscripts included in the thesis or written as a monography (<5% of PhD theses). The thesis should include a description of the purpose, academic area, research activities conducted, manuscripts and/or papers published as part of the thesis. The thesis is published.	The doctoral thesis must be on a topic in agricultural sciences or agricultural biology and an Independent scientific achievement of the candidate. Candidates can write the thesis In German or English - depending on the specification made in the application. Other languages must be approved by the doctoral committee within the procedure of acceptance as a doctoral candidate . The doctoral thesis can either be submitted in a traditional form or as a collection of scientific publications
Teaching activities	PhD students must gain experience with teaching and other type of knowledge dissemination. PhD students should on average spend 70 hr a years on teaching and dissemination activities. A didactic course and a course in scientific communication are offered to PhD students	Depends on the contract Not compulsory but ca. 2h/per week can be required
Supervision	Principal supervisor and (at least) one co-supervisor. The principal supervisor should be associate professor, professor or senior scientist employed by the faculty. He/She must be qualified within the relevant field and have conducted several years of active research at academic level. The principal supervisor is responsible for the entire PhD programme, which is planned in collaboration with the PhD student. The supervisors are expected to supervise, guide and support the PhD student from enrolment to PhD defence.	Supervised by a responsible professor – students are generally linked to a research project (at Doctoral schools by supervisory team)
Assessment	After 6, 12 and 14 month of study a progress assessment is performed (according to the PhD plan which describes the different parts of the study programme). When the thesis is handed in, an assessment committee is established. The committee has 3 members - all qualified as associate professors or higher. A preliminary evaluation of the thesis is made regarding acceptance of the thesis for defence. At the public PhD the PhD student gives a 45 min presentation of the thesis followed by questions from the assessment committee. The defence must take a maximum of 3 hr. After the PhD defence the members of the assessment committee sign their recommendations regarding awarding the PhD degree.	The doctoral thesis is evaluated by three examiners: Their assessment is forwarded to all professors, assistant professors or associate professors of the faculty. If there is no objection the candidates have to defend their thesis in an oral examination. The grade is obtained from the average of the grade for the doctoral thesis and the grade for the oral examination (doctoral thesis double rated, oral exam single rated). Doctoral degree is only conferred after publication of the thesis
PhD-Schools	One – the PhD School of Science (Each faculty of the Univ. of Copenhagen has its own PhD school).	Structured doctoral programme with 9 Promotionkollegs (doctoral schools) at the Faculty of Agricultural Sciences
General Information	Information about the PhD education can be seen at http://www.science.ku.dk/english/research/phd/The PhD programme is regulated in accordance with the General rules and guidelines for the PhD programme of Faculty of SCIENCE, adopted in June 2012	https://agrar.uni-hohenheim.de/agrar-promotion.html https://natur.uni-hohenheim.de/promotion

	SLU for doctoral students admitted before 1 January 2013	BOKU
Degree	Doctor of Philosophy (Agriculture) Doctor of Philosophy Doctor of Philosophy (Forestry) Doctor of Philosophy (Technology) Doctor of Philosophy (Veterinary Medicine) Degree of Licentiate 'licentiatexamen' = autonomous part of a doctoral programme, two years of full-time study: course work and dissertation Licentiate of Agriculture Licentiate of Philosophy Licentiate of Forestry Licentiate of Technology Licentiate of Veterinary Medicine	- Doctor of Agricultural Sciences*: (abbr.: Dr. nat. techn.) - Doctor of Social and Economics Sciences (abbr.: Dr. rer. soc. oec.) - Doctor of Philosophy (abbr.: PhD), only for the Doctoral Schools BioTOP and IGS
Duration	4 years for a doctorate, 2 years for a licentiate	3 years
ECTS	240; Licentiate: 120	180
Coursework	30-90 ECTS; Licentiate: 10-45 ECTS	Min. 20 ECTS
Thesis	The thesis normally consists of articles. In a few subjects the thesis is written as a monograph.	The dissertation is to demonstrate the candidate's ability to independently select a scientific problem for investigation and deal with it competently. Several scientific publications that pertain to the same topic are also accepted as dissertation.
Teaching activities	No	Not required
Supervision	Principal supervisor + co-supervisor(s) (change possible) At least one of a research student's supervisors must have undergone training for supervisors. or have been found by the faculty board to have corresponding skills.	Advisor (with "venia docendi") + advisory team
Assessment	individual study plan, follow-up at least once a year; more emphasis on the half-time assessment including a public seminar by the PhD student with an invited expert acting as opponent. Dissertation grades: 'fail' or 'pass' (concerning contents and defence) Grading committee: 3 or 5 members, specially appointed by the faculty board, at least 1 must be appointed from another faculty board or from another higher education institution, normally supervisors of the student. are not members of the committee.	- A work schedule approved by the advisor including advisory team, schedule, resource plan - The completed dissertation is reviewed by two university teachers (not the advisor!). - Viva Voce: comprehensive examination conducted in two parts (1. course examinations; 2. examination before the Examination Board.)
PhD-Schools	Just now SLU have 18 active research schools see: http://www.slu.se/researchschools and the ambition is that the majority of the PhD student shall take part in a research school.	3 (BioTOP and IGS; as well as DokNE http://www.dokne.boku.ac.at/index.php?option=com_content&task=view&id=58&Itemid=101&lang=english)
General Information	www.slu.se/PhD For doctoral students admitted after 1 January 2013: The new university common guidelines	http://www.boku.ac.at/18367.html?&L=1 http://www.boku.ac.at/18522.html?&L=1

	WUR	SGGW
Programme: Degree	PhD – Doctor of Philosophy	The academic degree of doktor (PhD) is awarded
Duration	4 years	Not less than 2 years and no longer than 4 years
ECTS	n.a. (ECTS not used in PhD/Doctoral programme)	Total sum of ECTS for PhD studies is from 45 to 60 ECTS (depending on the Faculty, each defines own curriculum), including 20 to 30 ECTS of facultative courses as part of developing teaching skills and professional skills
Coursework	PhD candidates are required to spend 15% of their time on training and education activities such as courses, seminars, conferences and workshops.	Each faculty offering PhD programme defines the exact curriculum, the subjects are divided into groups: basic, specialist subjects and foreign language course, number of contact hours differs from around 500 to 850 per 4 years of study
Thesis	The thesis can be: a. a scientific treatment concerning a specific topic; or b. a number of distinct scientific treatments which have already been published (partially or entirely), if they display sufficient coherence with respect to a specific topic; this coherence is to be demonstrated partly by the inclusion of a general introduction and a general discussion which has not been published previously; or 1. c. a technological design, comprised of a drawing created with the help of appropriate theoretical knowledge and methodologies from the relevant field, accompanied by a scientific explanation and documentation. The thesis is intended as proof of the competency of the PhD candidate to conduct independent scientific research. The thesis is published.	Doctoral thesis is prepared and PhD thesis defence takes place after the 4 th year of studies, it is advisable or at some faculties obligatory to have publications during PhD studies
Teaching duties	A maximum of ten percent of the PhD candidates time is spent on teaching duties	PhD students are required to participate or conduct by them self courses in accordance to the Senate resolution regarding working hours.
Supervision	The promotor has the task of supervising the PhD candidate and is responsible for the supervision. He/she ensures that the thesis satisfies the requirements pursuant to these regulations. The promotor can request the Academic Board to appoint one or two promotors. If a single promotor is appointed, the Academic Board can appoint one or two co-promotors. If multiple promotors have been appointed, the Academic Board will appoint only one co-promotor, if requested to do so. In such cases, the Academic Board can appoint two co-promotors only in exceptional cases.	Supervisor may be a university teacher or a researcher with at least the academic degree of doktor habilitowany (doctor habilitated) in the same or a related discipline. Supervisor should be active researcher with scientific achievements of the last five years.
Assessment	PhD candidates are evaluated in various ways in order to maintain high quality PhD research. A. Before the start of the PhD programme: a check based upon entry requirements of the Wageningen University PhD programme. B. During the PhD programme: 1 The PhD candidate and supervisor formulate a Training and Supervision Plan (TSP) in consultation with the graduate school, and submit it to the graduate school for approval. 2 The research proposal is evaluated by the graduate school and external referees. 3 Go/No-Go decision. Wageningen University admits new PhD candidates for an initial period of 12–18 months. The supervisor(s) decides within the first year (or 18 months at the latest) whether the candidate may continue the PhD programme under their supervision. It is one of the criteria that must be fulfilled to be formally admitted to the PhD Programme. The evaluation is based on the candidate's quality and progress in research and training. A Go/No-go	During PhD programme, after determining the topic of the thesis, the student is obliged to pass 3 exams (basic subject, specialist subject and foreign language) Doctoral thesis is reviewed by two scientists one from SGGW and one from another institution, the PhD thesis defence takes place before Special Commission or Faculty Board

	<p>evaluation form should be used for this purpose. It is suggested that, at the start of the PhD programme, the PhD candidate and his/her supervisor(s) agree upon when the evaluation will be carried out, the criteria to be applied and the procedure to be used. If a PhD candidate wishes to object to the outcome of the evaluation, he or she can appeal to his/her graduate school. Research assistants will usually initially receive an 18-month contract. Only after a positive evaluation can the contract be extended for the duration of the PhD programme (an additional 2.5 years if the candidate is appointed to a full-time position).</p> <p>4 An annual or a biannual progress evaluation is conducted by the graduate school.</p> <p>5 All PhD candidates should have an annual evaluation on progress and development. with supervisors (see below) (for employed PhD candidates this is called the performance and development meeting (R&O Meeting)).</p> <p>6 A check on completion of the training and education programme is made when the thesis is sent to the thesis committee for evaluation (approx. 15 weeks prior to thesis defence).</p> <p>7 On completion of the thesis, a thesis committee evaluates it and states whether it may be defended in public, after which the candidate can be awarded a doctorate degree.</p> <p>8 A public defence of the thesis.</p>	
PhD-Schools	<p>Wageningen University acts as secretary for six graduate schools. Some of these are national graduate schools where Wageningen University is a major participants. Others consist entirely of research groups from Wageningen University.</p> <p>The graduate schools are joined under the umbrella organisation Wageningen Graduate Schools.</p> <p>The six graduate schools:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Experimental Plant Sciences (EPS) <input type="checkbox"/> Food Technology Agrobiotechnology Nutrition and Health Sciences (VLAG) <input type="checkbox"/> Production Ecology and Resource Conservation (PE&RC) <input type="checkbox"/> Wageningen School of Social Sciences (WASS) <input type="checkbox"/> Wageningen Institute of Animal Sciences (WIAS) <input type="checkbox"/> Wageningen Institute for Environment and Climate Research (WIMEK) 	PhD degree is awarded at 11 out of 13 faculties
General Information	http://wageningenur.nl/en/Education-Programmes/PhD-Programme.htm	<p>Enrolment to PhD programmes (daily and extramural) takes place at each faculty (interview as the entrance exam), after being accepted the students turn to Science Office which provides administrative service to PhD students</p> <p>Candidates from abroad can enrol to PhD programme after contacting the specific faculty Dean, who establishes individual course of studies, the conditions and payment for the studies</p>

	CULS
Programme: Degree	The academic degree awarded is PhD, indicated after the name of the postgraduate.
Duration	3 years are still the official duration of PhD programmes. However the trend is 4 years. (Several 4 years PhD programmes have been accredited at CULS in 2009).
ECTS	Not implemented but will probably amount to a minimum of 180
Coursework	The PhD student attends the prescribed extent of: a) Courses which enhance and deepen knowledge of the broader scientific area beyond the MSc Study programme (compulsory courses), b) Courses which enhance specialisation within the framework of the studied PhD study programmes (optional courses)
Thesis	<p>The student submits in a dissertation thesis the results of scientific work achieved during studies in the PhD study programme. The dissertation thesis must contain original findings which should have been published in a quoted scientific journal or accepted for publication and should have the following structure:</p> <ul style="list-style-type: none"> a) an overview of the present state of affairs within the scope of the dissertation subject and scientific literature which deals with the subjects under research, b) aim(s) of dissertation thesis, c) chosen methods for elaboration, d) results of dissertation thesis including new findings, e) conclusion and recommendations for using results for practical purposes or for the further development of a scientific discipline, f) listing of scientific literatures. <p>Detailed requirements for the publishing of results and the form of the dissertation thesis including language are determined by the subject area council.</p>
Teaching duties	Pedagogical practice is a part of PhD studies This practice generally takes place during four semesters in an average quota of four hours a week; the overall involvement of a student may exceed six hours a week, provided that the student agrees. Exceptions to this pedagogical practice are allowed by the director of studies in consultation with the study supervisor.
Supervision	The study supervisor guides the student during the entire studies in the PhD study programme. Study supervisors are nominated by the study area council (see Information on PhD Schools below) amongst professors and associate professors Study supervisors are nominated and recalled by the Dean after approval by the Faculty Scientific Board. A list of study supervisors is published on the Faculty PhD Information System and Faculty PhD studies bulletin board.
Assessment	Examinations are carried out by the individual guarantors of the subjects. The results of examinations are written down in the students' book of records and the Faculty PhD Information System. At the final examination a written report must be submitted, including a thorough problem analysis with comprehensive literature search. Finally, the student submits a PhD Thesis to three opponents for assessment and final approval. The defence of the Thesis takes place before a scientific commission.
PhD-Schools	A total of 18 PhD accredited study programmes (33 subject areas or PhD majors) are organised at all CULS Faculties and the Institute of Tropics and Subtropics.
General Information	Students enrolled in PhD study programmes at CULS usually have their own PhD students' office facility. A PhD studies administrator coordinates their studies, research and teaching activities at each academic unit of CULS (Rectorate, Faculties, Institutes). General information can be found at: http://www.czu.cz/en/?r=920 and the PhD students' web site at: http://edoktorand.czu.cz/locale/en (Login name and password required)

Information on PhD-Schools:**SCIENCE:**

The PhD school is personified by the head of the PhD school and the PhD committee which consists of an equal number of elected members from the academic staff and the PhD students enrolled. The head of the PhD school must secure the academic qualifications of the PhD students enrolled, secure academic standards of the PhD courses offered by the departments, and develop further activities carried out by the PhD school, e.g. implementing generic courses and transferrable skills training in the individual PhD study programmes.

UHOH:

1 structured doctoral programme with 9 Promotionskollegs (doctoral schools) at the Faculty of Agricultural Sciences

Two of them are anchored to the Graduiertenkollegs (Research training groups) of The German Research Society (Deutschen Forschungsgemeinschaft – DFG).. However, doctoral studies can still be undertaken without participation in a doctoral study programme.

The structured doctoral programme is characterised by:

- a competitive selection of doctoral Students using transparent criteria
- Supervision by experienced scientists from various academic fields ("Multifaceted Supervision" - in personal and interdisciplinary terms)
- Continuous assessment of the training and doctorate studies by the supervisory team
- The attendance of doctoral accompanying courses in the Promotionskolleg with the objective of imparting methodological, professional and interdisciplinary competence and key qualifications
- Graduation after 3 to a maximum of 4 years

As a general rule, the supervisory team comprises three university lecturers from multidisciplinary fields.

SLU:

The research schools at SLU have different organisations and financing. Primarily they can be described as structured programs with a special theme or profile. Any of the PhD students at SLU that are interested in their courses may participate. Almost none of the research schools provide financing for the PhD students. Many of them are interdisciplinary. Many are also developed in cooperation with industry and the community. Please read more about the research schools at:

www.slu.se/researchschools

BOKU:

There are three structured programmes at BOKU:

- a) the **doctoral school Sustainable Development**. In this course of the doctoral school participants attend an inter- and transdisciplinary doctoral study programme at the BOKU aiming to get an excellent scientific education in the field of sustainability research. The Ph.D. study course is designed as a six-term course and covers a total of at least 200.5 ECTS points, at least 40.5 of which are acquired through classes (27 semester periods per week) and at least 160 are covered by the Ph.D. dissertation.
- b) The International Graduate School in Nanobiotechnology (IGS Nano-Bio) is a joint degree with Nanyang Technological University Singapore. It comprises a minimum of 180 ECTS, of which a minimum of 20 ECTS for coursework (classes) and a minimum of 160 ECTS for the thesis. BOKU students have to spend at least 1/3 of the programme (i.e. a minimum of 1 year) in Singapore, Singapore students at least 1 year at BOKU.
- c) The Doctoral school "Biomolecular Technology of proteins" (BIOTOP) comprises a minimum of 180 ECTS, of which a minimum of 42 ECTS for coursework (classes) and a minimum of 138 ECTS for the thesis.

CULS: see next page

Accredited PhD Programmes in English – CULS Prague
(Standing academic year 2012-2013)

1. Faculty of Agrobiological Sciences, Food and Natural Resources

Programme code	Programme title	Field of Study title	Years of study
P4106	Agricultural Specialisation	Exploitation and Conservation of Natural Resources	3
P4103	Animal Science	General Animal Sciences	4
P4102	Crop Sciences	General Crop Sciences	4
P4106	Special Agricultural Sciences	Agricultural and Forestry Phytopathology and Plant Protection	4
P4106	Special Agricultural Sciences	Agricultural Chemistry	4

2. Faculty of Economics and Management

Programme code	Programme title	Field of Study title	Years of study
P6208	Economics and Management	Management	3 - 4
P6208	Economics and Management	Sector Economics and Economics of Enterprise	3 - 4
P6209	Systems Engineering and Informatics	Information Management	3 - 4
P6202	Economics Policy and Administration	Regional and Social Development	4
P6207	Quantitative Methods in Economics	Systems Engineering	4

3. Faculty of Engineering

Programme code	Programme title	Field of Study title	Years of study
P4101	Agricultural Engineering	Engineering of Agricultural Technological Systems	3

4. Faculty of Forestry and Wood Sciences

Programme code	Programme title	Field of Study title	Years of study
P4107	Forestry Engineering	Silviculture	3

5. Faculty of Environmental Sciences

Programme code	Programme title	Field of Study title	Years of study
P1514	Ecology	Ecology	4
P3904	Applied Ecology	Applied Landscape Ecology	4

P3914	Landscape Engineering	Environmental Modelling	4
P3914	Landscape Engineering	Water Regime Improvement in Landscape	4

6. Faculty of Tropical Agrisciences

Programme code	Programme title	Field of Study title	Years of study
P4106	Agricultural Specialisation	Sustainable Rural Development in Tropics and Subtropics	3