Rules and requirements for doctoral study programmes (DSP) at FLD

Article 1
Introductory Provisions

(1) This Dean's Regulation is valid for the Faculty of Forestry and Wood Sciences (hereinafter FLD) of the Czech University of Life Sciences in Prague (hereinafter "CZU") and sets Rules and Requirements for Doctoral Study Programmes (hereinafter DSP) at FLD.

(2) This Regulation has been drafted primarily in accordance with Act No. 111/1998 Coll., on Higher Education Institutions, and on the amendment and supplementation of certain other laws (the Higher Education Act), as amended (hereinafter referred to as the "Act"), and the valid Study and Examination Regulations for Doctoral Study Programmes at the Czech University of Life Sciences Prague (hereinafter the "SER DSP").

Article 2
Rules and requirements for DSP students

(1) Individual study plan

DSP studies are carried out according to an individual study plan under the guidance of a supervisor, or with the participation of a consultant.

The **Individual Study Plan** (hereinafter the "ISP") must be prepared **within 30 days of enrolment in the study.** The ISP is approved by the relevant Doctoral Degree Board (hereinafter "DDB") in accordance with the SER DSP.

An ISP consists of compulsory professional subjects, compulsory-optional professional subjects, optional professional subjects, other compulsory subjects, state doctoral examination subjects (hereinafter the "SDE") in the case of studies according to Article 2(2) of SER DSP, foreign internships, planned scientific outputs, active participation in international scientific conferences, and other activities approved by the relevant DDB.

- Optional professional subjects must be related to the dissertation thesis (hereinafter "DissT") topic.

- One exam from the professional subject of the accredited DSP which is part of the ISP is usually taken at another CZU faculty or other university both in the Czech Republic and abroad. The title of this subject should be identical or with a similar professional focus as subjects specified in the Appendix to this Regulation. Students are obliged to submit a written request for taking the exam at another faculty or university at the FLD S&R Department. This change must be approved by the FLD Vice-Dean for Science, Research and Doctoral Studies (hereinafter "FLD Vice-Dean for S&R"), and the student may take the examination only after such approval. If the subject has already been approved by the DDB in the ISP, the application need not be submitted.

- Subject: Statistical methods – students can take an exam with similar focus at another CZU faculty or another university. In this case, before taking the exam in a similarly focused subject, it is necessary to submit a written request to the FLD S&R Department to change the exam from the Statistical methods subject to a similarly focused exam at another faculty or university; this change must be approved by the FLD Vice-Dean for S&R and the student may take the examination only after such approval. If the subject has already been approved by the DDB in the ISP, the application need not be submitted.

- Students may take the professional subject exams after the approval of ISP by DDB.

Further obligations for all DSP students:

- the **DissT methodology** must be submitted and signed **electronically** by the supervisor **within three months of the enrolment to studies**. The FLD Vice-Dean for S&R may set specific conditions for submitting the DissT methodology in the relevant year. DissT methodology contains a current overview of the researched topic, DissT objectives, established scientific hypotheses, description of chosen methods, and time schedule. The DissT methodology is about five standard pages (hereinafter also "SP"), excluding references. DissT methodology is approved by the relevant DDB.

- Preparing the **Theoretical and Methodological Analysis of the DissT topic** related to the DissT topic and its defence before an expert committee. This analysis is usually submitted by the end of the academic year, i.e. by 31 August. The specific conditions for its elaboration, form, and the date of defence for 1st year students are determined each year by the relevant DDB.

- **Presenting the results of their work at least once in every study year at an international scientific conference.** Fulfilment is confirmed by a supervisor in students' annual evaluation.

- **Foreign internship** of a minimum four weeks (this obligation applies to students enrolled in both full-time and part-time forms of study); in exceptional cases, after DDB approval, foreign internship may be replaced by students' active participation in an international research project with results published or presented abroad.

- Students must fulfil the study obligations of CZU DSP according to the current Rector's Directive on **Credit system of CZU DSPs.**

- Students are obliged to **fulfil tasks relevant to their doctoral studies set by their supervisor or Head of Department or Faculty unit. These tasks must be consistent with the preparation of the DissT.**

- Full-time students are obliged to keep **records of their activities** within doctoral studies and, as instructed by the S&R Department, submit these records to their supervisor, Head of Department, and FLD Vice-Dean for S&R.

(2) State Doctoral Examination (SDE)

The SDE conditions in the case of studies shall be governed by the law and by the SER DSP. The obligation to take the SDE applies only to students who were enrolled before 1 March 2025.

Submission of the application for SDE
Students submit the application on a prescribed form at least 60 days before the end of a standard study period at the FLD S&R Department after fulfilling all requirements of this Regulation and according to the current SER DSP. If DSP students do not submit the application for the SDE on time, they can apply for an interruption of studies. In the case of expiry of the period of possible interruption of studies, the doctoral study will be terminated (according to the SER DSP).

The SDE consists of professional debate on the researched topic and three professional subjects resulting from the DissT topic. Individual DDBs can specify the SDE professional subject. The SDE professional subjects do not have to be a part of the students' ISP.

(3) Publication activity and DissT

In order to be admitted to the DissT defence, the students must fulfil the following minimum publication requirements:

- in a DissT, DSP students present scientific results which they obtained during their studies; a DissT must contain original results published or accepted to be published in at least **two publications, both of which must be published in a Web of Science journal** with an assigned non-zero Impact Factor index (hereinafter "IF").

- these publications must be flagged **"Article", "Review", or "Letter"**,

- the DSP student must be listed as the **first author in the team of authors, for these publications (for the purposes of these Regulations, only the first person named in the team of authors shall be considered the first author, regardless of whether the publication explicitly designates multiple authors as having contributed equally to the output).** In the case of other publications, manuscripts, or other types of outputs, students may be listed in other positions within the author collective.

- the publication must **relate to the topic** of the DissT,

- the publication must be **sent to the editor during the standard or maximum length of the relevant doctoral studies or during an approved study break,**

- the **affiliation** of the PhD student to its training institution, i.e. **FLD CZU in Prague**, must be mentioned. In an English version, a valid form of affiliation is set as follows: Czech University of Life Sciences Prague, Faculty of Forestry and Wood Sciences, Kamýcká 129, 165 00 Praha - Suchdol, Czech Republic.

  If the article is accepted for publication and it has not yet been published, DSP students submit a statement from the journal's editors in which it must be stated that the manuscript has successfully passed the opposition process and will be published in the relevant journal.

Specific requirements for DissT according to DDB:

- The DissT must be prepared in accordance with the valid Dean's Regulation concerning the rules and recommendations for the preparation of DissT for DSP students at FLD.

- the minimum scope of the DissT specified in the Summary of Subjects and Obligations for the Preparation of the ISP and the requirements for the DissT for Individual Study Programmes (Appendix to this Regulation) applies solely to the expert text (not to table of contents, acknowledgements, title page, reference list, appendices, etc.),

- citations in Slovak are not considered foreign language citations,

- all citations must be from demonstrably studied literature – the minimum number of citations for individual study programmes are given in the Summary of Subjects and Obligations for the Preparation of the ISP and the requirements for the DissT for Individual Study Programmes (Appendix to this Regulation),

- the DissT is submitted in the Czech language (submitting DissT in other languages is possible only upon a submitted application approved by the FLD Dean). In DSPs taught in English, they are submitted in the English language.

<u>The DissT may also have the form of a commented set of published articles</u>

- the set must contain **at least three publications** published or accepted for publication in a journal of the Web of Science database with IF,

- **at least two publications in which the student is the first author in the team of authors** must be published or accepted to be published in **Web of Science journals** with an assigned IF in the year of publication.

- **In the third accepted publication, the student must be listed at least second in the team of authors** (in a journal of Web of the Science database),

- these three publications must be flagged "Article", "Review", or "Letter",

- in other publications, manuscripts, or other types of outputs, the students may be listed in other places in the team of authors,

- all publications must relate to the DissT topic,

- an obligatory part of the DissT in a form of a commented set of published articles is a professional text including in particular a literary analysis, summary of work methodology, result synthesis (very important for this type of DissT), discussion, conclusion, and recommendations for practical application of the findings or further development of the field of science, to the extent of a minimum of 30 SP.

Procedure for application to defend DissT

After fulfilling all study requirements according to this Regulation and according to SER DSP, PhD students submit the following materials through their supervisor to the Chairman of the DDB at least 90 days before the end of a standard or maximum study period or before interruption of studies:

a. an electronic version of DissT,
b. a list of previously published works.

The DDB Chairman, together with the Head of the Department where the DSP student elaborated their DissT, sets the date of the DissT discussion at the department or faculty unit. The DissT must be discussed at the department or faculty unit as soon as possible, usually within 14 days of submitting the above-mentioned materials. The students must participate actively in the thesis discussion at the department or faculty unit. A report is made from the discussion, which forms part of the PhD student's application for defence of the DissT before the Dissertation Defence Committee (according to SER DSP). The report shall include the names of the members of the department or unit present, and the respective Head shall sign the record. The report must contain any comments that the department or unit recommends to amend or incorporate, as well as the final evaluation, which shall be either:

(I) The department recommends submitting the DissT for the defence before the Dissertation Defence Committee,
(II) The DissT does not meet all requirements for submitting to the Dissertation Defence Committee and the department/unit requires its finalization and subsequent re-submission to the department/unit. In this case, the specific deficiencies identified and the recommendations for further revision must be clearly specified.

If the students wish to interrupt the studies after the discussion, i.e. before submitting an application for the DissT defence before the Dissertation Defence Committee, they must submit the application for interruption of studies in good time so that the study is legally suspended 60 days before the end of the standard period of study. At the same time, they may request that they be allowed the maximum period of study in accordance with the SER DSP.

After a successful discussion of the DissT at the department or unit, the students can apply for DissT defence to the FLD Dean through the FLD S&R Department (the student may request to defend the DissT even with a negative opinion from the department or unit). The application includes:
a. three copies of the DissT,
b. a list of previously published works,
c. offprints of published works with IF,
d. professional CV,
e. a record of the DissT discussion at the department or unit.

The students submit the application at least 60 days before the end of a standard study period. An electronic form of the DissT is saved in the CZU information system (IS) for purposes of plagiarism check.
After agreement from the DDB Chairman and the Dean, the DDB Chairman proposes the Committee members, the date of the defence, and the DissT opponents, all according to the SER DSP. The DDB Chairman shall submit the proposal to the DDB members for approval. The DDB Chairman submits the approved proposal to the Dean through the FLD S&R department a minimum of six weeks before the defence.
Subsequently, the Dean appoints members and the Chairman of the Dissertation Defence Committee.

Immediately after the Dean's approval of the Committee proposal, the FLD S&R department sends appointment decrees and an invitation with a date and place of the DissT defence to the members of the Committee and the opponents. Simultaneously, the FLD S&R department sends one copy of the DissT to each opponent, requesting an opinion within four weeks of the date of sending the application.

Overview of dates for PhD students

	Deadline
Submitting the electronic version of DissT and a list of previously published works to the Head of the department or unit	Minimum 90 days before the end of a standard study period or interruption of studies
Entering DissT into UIS	Immediately after DissT discussion at the department or workplace
Submitting the application to defend DissT (including requisites) to FLD S&R Department	At least 60 days before the end of a standard or maximum study period or interruption of studies

Overview of dates for the Head of the department or unit and the DDB Chairman

	Deadline
Discussing DissT at the department or unit	Usually within 2 weeks of submitting DissT
Discussing the date of the defence, Committee members and opponents of DissT with the FLD Dean	Immediately after discussion at the department or unit; Usually 9 weeks before the defence date
Submitting the proposal of the date of the defence, Committee members and opponents of DissT to DDB members for approval	Usually 8 weeks before the defence date
Submitting the proposal approved by DDB to the Dean through FLD S&R Department	Usually within 6 weeks before the defence

Article 3

Final provisions

(1) This regulation applies to all DSP students at FLD.

(2) DSP students who enrolled in the study before 1 October 2025 are subject to the requirements for ISP, SDE, required publication activity, and specific requirements for DissT according to the Regulation in force at the time of the students' enrolment to studies, i.e. No. 12/2022, 10/2019, 11/2018, 3/2017, 6/2016, or 4/2013.

(3) A full-time DSP student is entitled to 20 days of holiday in a calendar year. This period includes any leave under employment contracts at CZU or contracts with a so-called cooperating institution within the framework of doctoral income (in accordance with the law and the SER DSP).

(4) Transfers between DSPs at FLD are permitted under the valid SER DSP only as follows:

Silviculture	↔	Forest Management
Global Change Forestry	↔	Forest Biology
	↔	Silviculture
	↔	Economics and Management of Forestry and Wood Industry
	↔	Forest Management
	↔	Forest Protection and Game Management
Forest Protection and Game Management	↔	Fire Protection of Forest, Timber and Wood-Based Materials
Wood Processing and Forest Machinery	↔	Fire Protection of Forest, Timber and Wood-Based Materials
Applied geoinformatics and remote sensing in forestry	↔	Forest Management

The Dean may also authorize the transfer of current PhD students of FLD to the newly accredited PhD study programme at the Faculty.

(5) A transfer between the individual DSPs referred to in the preceding paragraph is possible based on an application submitted no later than before the start of the new academic year, and only for students studying in their first year. After enrolment in the second year, a transfer between the individual DSPs is no longer possible. A condition for transfer between the individual DSPs is also the student's annual evaluation (attestation) by the DDB for first-year studies with the result 'continue studies', i.e., not with the result 'continue with a warning' or a recommendation to terminate studies. A transfer between the individual DSPs pursuant to the preceding paragraph is also possible for students under paragraph 2 of this Article of the Regulations, provided that the transfer request is submitted by 31 October 2025, that their total duration of study does not exceed 2 years by that date, and that the student's annual evaluation (attestation) by the DDB for the previous year's studies is 'continue studies', i.e., not 'continue with a warning' or with a recommendation to terminate studies. The Dean of FLD decides on the request for permission to transfer between the individual DSPs pursuant to the preceding paragraph.

Prague 10 October 2025

prof. Ing. Róbert Marušák, PhD.
FLD Dean

This document was approved by the FLD Academic Senate on 10 October 2025.

Summary of subjects and responsibilities for creating of ISP and requirements DissT for DSP

Applied geoinformatics and remote sensing in forestry		
(code UIS - APGISE)		
Subjects must be completed no later than 4th semester		
Individual study plan		
Compulsory professional subjects	DLHX029Y Geographic information systems	
	DLHX028Y Remote sensing in forestry applications	
Compulsory-optional professional subjects 2 subjects set by Departmental Board FFWS	DLHX034Y Cartography and geodesy	
	DLHX039Y Development of software products for open-source GIS	
	DLHX030Y Ecoinformatics	
	DLRX018Y Economic effectiveness of forest management	
	DLHX035Y Forest development modelling	
	DLHX033Y Forest inventory and monitoring	
	DLHX032Y Geodatabases and information systems	
	DLHX031Y Photogrammetry and image analysis	
	DLHX036Y Programming and algorithmization for GIS	
	DLHX038Y Spatial analyses and modelling in GIS	
	DLHX037Y Spatial optimization of forest management	
	DLDX013Y Spectral properties of vegetation	
	DLHX040Y Spatial statistics and geostatistics	
Other compulsory subjects ***(in the 1st year)***	DLXX001Y Academic writing	
	DLXX019Y Ethics in Scientific Work	
	METVYZ002 Methodology of research	
	DLXX002Y Communication and popularization of science	
	DLHX040Y Spatial statistics and geostatistics *(no later than the 3rd semester)*	
Further obligations of the students (Article 2 Para 1)	METDISP002 Dissertation methodology (no later than 3 months from study enrollment)	
	DLXX61Y Foreign internship	
	DLXX014Y Theoretical and Methodological Analysis of the DissT topic (at the end of 1st year of study)	
	DLXX024Y Participation in the international scientific conference	
	Publication activity	
State Doctoral Examination		
Subjects	Professional debate on the researched topic	
	3 professional subjects resulting from the DissT topic - The SDE professional subjects do not have to be a part of the student's ISP	
Specific requirements for DissT		
Minimum range	70 SP	The DissT may also have the form of a commented set of published articles, see Art. 2 Para 3
Minimum number of citations	100; 60 % quotations must be included in scientific databases (e.g. WoS, Scopus)	

Forest Biology

(code UIS - XBIOLE)

Subjects must be completed no later than 4th semester

Individual study plan

Compulsory professional subjects	DLDX017Y Advanced statistical methods in forest biology *(no later than the 3rd semester)*
Compulsory-optional professional subjects 1 subject set by Departmental Board FFWS	DLMX007Y Anatomy and physiology of the vertebrates
	DLPX009Y Forest ecology for doctoral studies
	DLDX016Y Forest genetics and forest tree breeding
	DLOX029Y Insect ecology
	DLDX014Y Physiology of forest tree species for doctoral studies
Optional professional subjects 2 subjects set by Departmental Board FFWS	DLXX007Y Advanced molecular biology and biotechnology
	DLLX012Y Advanced dendrology
	DLLX013Y Advanced plant determination
	DLLX009Y Dynamics of the forest ecosystems
	DLOX019Y Ecology of vertebrates
	DLDX020Y Environmental biophysics
	DLDX021Y Experimental methods in ecophysiology of forest tree species
	DLDX022Y Genetics of quantitative traits
	DLDX023Y Chemistry and biochemistry in the physiology of forest tree species
	DLXX008Y Insect physiology and chemical ecology
	DLOX032Y Insect systematics
	DLOX017Y Integrated pest management
	DLLX014Y Methods in ecology and community classification
	DLPX012Y Methods in forest stand analyses
	DLLX011Y Methods in quantitative ecology
	DLXX009Y Microbiology and basic molecular biology
	DLXX011Y Molecular laboratory methods
	DLLX010Y Phytosociology and forest site classification
	DLDX024Y Population genetics and genomics of forest tree species
	DLDX025Y Programming and simulations in the R language
	DLMX008Y Sensory biology of vertebrates
	DLZX031Y Wood structure and properties
Other compulsory subjects *(in the 1st year)*	DLXX001Y Academic writing
	DLXX019Y Ethics in Scientific Work
	METVYZ002 Methodology of research
	DLXX002Y Communication and popularization of science
Further obligations of the students (Article 2 Para 1)	METDISP002 Dissertation methodology (no later than 3 months from study enrollment)
	DLXX61Y Foreign internship
	DLXX014Y Theoretical and Methodological Analysis of the DissT topic (at the end of 1st year of study)
	DLXX024Y Participation in the international scientific conference
	Publication activity

State Doctoral Examination

Subjects	Professional debate on the researched topic
	3 professional subjects resulting from the DissT topic - The SDE professional subjects do not have to be a part of the student's ISP

Specific requirements for DissT

Minimum range	100 SP	The DissT may also have the form of a commented set of published articles, see Art. 2 Para 3
Minimum number of citations	100	

Global Change Forestry		
(code UIS - GLOBE)		
Subjects must be completed no later than 4th semester		
Individual study plan		
Studies supporting the scientific discipline	METDISP002 Dissertation methodology (no later than 3 months from study enrollment)	
	Individual study plan	
	DLXX014Y Theoretical and Methodological Analysis of the DissT topic (at the end of 1st year of study)	
Studies in fields of science 3 subjects set by Departmental Board FFWS	DLLX001Y Dynamics of forest ecosystems in the context of climate change	
	DLDX001Y Ecological physiology of plants	
	DLOX001Y Integrated pest management under global change	
	DLRX002Y Socio-economic context of global change	
	DLHX002Y Utilization of outputs of climatic modelling in ecosystem research	
Methodological studies in the field of the thesis	METVYZ002 Methodology of research	
	DLHX041Y Statistical methods *(no later than the 3rd semester)*	
Field specific competence	A publication n. 1 as the first author (WoS)	
	A publication n. 2 as the first author (WoS)	
Scientific conferences	DLXX024Y Participation in the international scientific conference	
Other compulsory subjects ***(in the 1st year)***	DLXX001Y Academic writing	
	DLXX019Y Ethics in Scientific Work	
	Management	
	DLXX002Y Communication and popularization of science	
Other compulsory subjects	DLXX61Y Foreign Internship	
State Doctoral Examination		
Subjects	Professional debate on the researched topic	
	3 professional subjects resulting from the DissT topic - The SDE professional subjects do not have to be a part of the student's ISP	
Specific requirements for DissT		
Minimum range	70 SP	The DissT may also have the form of a commented set of published articles, see Art. 2 Para 3
Minimum number of citations	100; 60 % quotations must be included in scientific databases (e.g. WoS, Scopus)	

Forest Management

(code UIS - XHUPLEE)

Subjects must be completed no later than 4th semester

Individual study plan

Compulsory professional subjects	DLHX042Y Forest management for doctoral studies
Optional professional subjects 2 subjects set by Departmental Board FFWS	DLHX053Y Decision support systems in forestry planning
	DLHX050Y Forest growth modelling
	DLHX045Y Forest mensuration for doctoral studies
	DLHX043Y Forest production for doctoral studies
	DLHX046Y GIS for doctoral studies
	DLHX047Y Inventory and monitoring of forest ecosystems
	DLHX048Y Mathematical programming in forestry
	DLHX051Y Multifunctional forest planning
	DLHX049Y Remote sensing in forestry
Other compulsory subjects ***(in the 1st year)***	DLXX001Y Academic writing
	DLXX020Y Information Resources and Tools for Research
	DLXX019Y Ethics in Scientific Work
	METVYZ002 Methodology of research
	DLXX002Y Communication and popularization of science
	DLHX041Y Statistical methods *(no later than the 3rd semester)*
Further obligations of the students (Article 2 Para 1)	METDISP002 Dissertation methodology (no later than 3 months from study enrollment)
	DLXX61Y Foreign internship
	DLXX014Y Theoretical and Methodological Analysis of the DissT topic (at the end of 1st year of study)
	DLXX024Y Participation in the international scientific conference
	Publication activity

State Doctoral Examination

Subjects	Forest management
	Professional debate on the researched topic
	2 professional subjects resulting from the DissT topic - The SDE professional subjects do not have to be a part of the student's ISP

Specific requirements for DissT

Minimum range	70 SP	The DissT may also have the form of a commented set of published articles, see Art. 2 Para 3
Minimum number of citations	70 mostly from foreign sources; 60 % quotations must be included in scientific databases (e.g. WoS, Scopus)	

Forest Protection and Game Management

(code UIS - XOCHMYE)

Subjects must be completed no later than 4th semester

Individual study plan

Compulsory professional subjects	DLMX005Y Game management
	DLOX017Y Integrated pest management
Optional professional subjects 2 subjects set by Departmental Board FFWS	DLMX006Y Animal anatomy
	DLOX018Y Biological forest protection
	DLOX019Y Ecology of vertebrates
	DLOX021Y Forest pathology
	DLOX024Y Game reproduction
	DLOX023Y General entomology
	DLOX028Y GIS in forest protection
	DLOX020Y Chemical communication in insects
	DLOX022Y Large-scale disturbances management
	DLXX016Y Modelling and preventive measures of disturbance in forests
	DLOX025Y Sensory biology of vertebrates
	DLOX026Y Systematic entomology
	DLOX027Y Taxonomy of bark beetles
Other compulsory subjects *(in the 1st year)*	DLXX001Y Academic writing
	DLXX019Y Ethics in Scientific Work
	METVYZ002 Methodology of research
	DLXX002Y Communication and popularization of science
	DLHX041Y Statistical methods *(no later than the 3rd semester)*
Further obligations of the students (Article 2 Para 1)	METDISP002 Dissertation methodology (no later than 3 months from study enrollment)
	DLXX61Y Foreign internship
	DLXX014Y Theoretical and Methodological Analysis of the DissT topic (at the end of 1st year of study)
	DLXX024Y Participation in the international scientific conference
	Publication activity

State Doctoral Examination

Subjects	Game management	Students select only one subject from the offered compulsory subjects for the programme, with regard to the DissT topic.
	Integrated pest management	
	Professional debate on the researched topic	
	2 professional subjects resulting from the DissT topic - The SDE professional subjects do not have to be a part of the student's ISP	

Specific requirements for DissT

Minimum range	60 SP	The DissT may also have the form of a commented set of published articles, see Art. 2 Para 3
Minimum number of citations	100-200 mostly from foreign sources; 60 % quotations must be included in scientific databases (e.g. WoS, Scopus), required use of statistical methods	

Silviculture

(code UIS - XPESLEE)

Subjects must be completed no later than 4th semester

Individual study plan	
Compulsory professional subjects	DLPX009Y Forest ecology for doctoral studies
	DLPX010Y Silviculture for doctoral studies
Optional professional subjects 2 subjects set by Departmental Board FFWS	DLPX014Y Close-to-nature silviculture for DSP
	DLRX019Y Economics of forest management for doctoral studies
	DLDX015Y Forest dendrology
	DLPX017Y Forest establishment
	DLDX016Y Forest genetics and forest tree breeding
	DLHX042Y Forest management for doctoral studies
	DLHX043Y Forest production for doctoral studies
	DLDX014Y Physiology of forest tree species for doctoral studies
	DAPA05Y Forestry soil science for doctoral studies
	DLLX008Y Phytosociology and forest typology
	DLPX016Y Silvicultural practices for reforestation in calamity areas and unfavorable sites
	DLPX013Y Silvicultural practices in forest conversion
	DLPX015Y Silvicultural practices supporting forest adaptation to climate change
Other compulsory subjects *(in the 1st year)*	DLXX001Y Academic writing
	DLXX019Y Ethics in Scientific Work
	METVYZ002 Methodology of research
	DLXX002Y Communication and popularization of science
	DLHX041Y Statistical methods *(no later than the 3rd semester)*
Further obligations of the students (Article 2 Para 1)	METDISP002 Dissertation methodology (no later than 3 months from study enrollment)
	DLXX61Y Foreign internship
	DLXX014Y Theoretical and Methodological Analysis of the DissT topic (at the end of 1st year of study)
	DLXX024Y Participation in the international scientific conference
	Publication activity
State Doctoral Examination	
Subjects	Forest ecology
	Silviculture
	Professional debate on the researched topic
	1 professional subject resulting from the DissT topic - The SDE professional subjects do not have to be a part of the student's ISP
Specific requirements for DissT	
Minimum range	70 SP
Minimum number of citations	70; 70 % quotations must be included in scientific databases (e.g. WoS, Scopus)

The DissT may also have the form of a commented set of published articles, see Art. 2 Para 3

Fire Protection of Forest, Timber and Wood-Based Materials

(code UIS - POLDE)		
Subjects must be completed no later than 4th semester		
Individual study plan		
Compulsory professional subjects	DLXX015Y Forest fire prevention	
	DLZX025Y Theory of burning and fire dynamics	
Compulsory-optional professional subjects 2 subjects set by Departmental Board FFWS	DLZX029Y Effect of thermal stress on wood composition and properties	
	DLZX027Y Fire safety practices for construction of woody buildings - Engineering approaches	
	DLZX028Y Fire protection of wood-based materials	
	DLXX016Y Modelling and preventive measures of disturbance in forests	
	DLZX026Y Risks in technological systems	
	DLZX030Y Selected chapters in materials physics and mechanics	
	DLXX017Y Strategies of forest fire fighting	
Other compulsory subjects *(in the 1st year)*	DLXX001Y Academic writing	
	DLXX020Y Information Resources and Tools for Research	
	DLXX019Y Ethics in Scientific Work	
	METVYZ002 Methodology of research	
	DLXX002Y Communication and popularization of science	
	DLHX041Y Statistical methods *(no later than the 3rd semester)*	
Further obligations of the students (Article 2 Para 1)	METDISP002 Dissertation methodology (no later than 3 months from study enrollment)	
	DLXX61Y Foreign internship	
	DLXX014Y Theoretical and Methodological Analysis of the DissT topic (at the end of 1st year of study)	
	DLXX024Y Participation in the international scientific conference	
	Publication activity	
State Doctoral Examination		
Subjects	Professional debate on the researched topic	
	Forest fire prevention	
	Theory of burning and fire dynamics	
	1 professional subject resulting from the DissT topic - The SDE professional subjects do not have to be a part of the student's ISP	
Specific requirements for DissT		
Minimum range	70 SP	The DissT may also have the form of a commented set of published articles, see Art. 2 Para 3
Minimum number of citations	100; 60 % quotations must be included in scientific databases (e.g. WoS, Scopus)	

Economics and Management of Forestry and Wood Industry

(code UIS - EMLDE)

Subjects must be completed no later than 4th semester

Individual study plan	
Compulsory professional subjects	DLRX021Y Forestry and Wood Processing Industry Management
Compulsory-optional professional subjects 1 subject set by Departmental Board FFWS	DLRX023Y Economics of Forest Management for doctoral studies
	DLRX022Y Economics of Wood Processing Enterprises
Optional professional subjects 2 subjects set by Departmental Board FFWS	DLRX030Y Communication in Forestry and Wood Industry
	DLRX024Y Environmental Economics
	DLRX028Y Environmental Policy
	DLRX025Y Forest and Wood Industry Sector Policy
	DLRX029Y Forestry and Wood Industry Bioeconomy
	DLRX026Y Marketing and trade in forestry
	DLRX031Y Socioeconomics Relations in Forestry and Wood Industry
	DLRX027Y Valuation of Renewable Natural Resources
	DLHX041Y Statistical Methods
Other compulsory subjects ***(in the 1st year)***	DLXX001Y Academic writing
	DLXX020Y Information Resources and Tools for Research
	DLXX019Y Ethics in Scientific Work
	METVYZ002 Methodology of research
	DLXX002Y Communication and popularization of science
	DLHX041Y Statistical methods *(no later than the 3rd semester)*
Further obligations of the students (Article 2 Para 1)	METDISP002 Dissertation methodology (no later than 3 months from study enrollment)
	DLXX61Y Foreign internship
	DLXX014Y Theoretical and Methodological Analysis of the DissT topic (at the end of 1st year of study)
	DLXX024Y Participation in the international scientific conference
	Publication activity
State Doctoral Examination	
Subjects	Professional debate on the researched topic
	Economics of forest management/Economics of wood processing enterprises
	Forestry and wood processing industry management
	1 professional subject resulting from the DissT topic - The SDE professional subjects do not have to be a part of the student's ISP
Specific requirements for DissT	
Minimum range	70 SP
Minimum number of citations	60

The DissT may also have the form of a commented set of published articles, see Art. 2 Para 3

Wood Processing and Forest Machinery

(code UIS - ZDTLHE)

Subjects must be completed no later than 4th semester

Individual study plan		
Compulsory professional subjects	DLTX009Y Forest Harvesting and Wood transport	
	DLZX032Y Wood processing for doctoral studies	
Optional professional subjects 2 subjects set by Departmental Board FFWS	DLZX044Y Biomass utilization	
	DLZX042Y Buildings for forest functions fulfillment	
	DLTX014Y Forest Opening-up	
	DLZX037Y Furniture - construction and manufacturing	
	DLZX036Y Chemistry of Wood and Biomaterials	
	DLTX013Y Influence of Forestry Technologies on the Environment	
	DLTX010Y Mechanization of Forestry Operations	
	DLTX011Y Modelling of Forest Production Systems	
	DLZX041Y Sawmill technology	
	DLRX020Y Sectoral economics and enterprise management	
	DLZX040Y Surface protection and gluing of wood	
	DLTX012Y Theory of Machine Construction	
	DLZX035Y Timber construction	
	DLZX033Y Wood anatomy	
	DLZX034Y Wood and Furniture Machines	
	DLZX039Y Wood protection	
	DLZX043Y Wood Science	
	DLZX038Y Wood-based materials	
Other compulsory subjects *(in the 1st year)*	DLXX001Y Academic writing	
	DLXX020Y Information Resources and Tools for Research	
	DLXX019Y Ethics in Scientific Work	
	METVYZ002 Methodology of research	
	DLXX002Y Communication and popularization of science	
	DLHX041Y Statistical methods *(no later than the 3rd semester)*	
Further obligations of the students (Article 2 Para 1)	METDISP002 Dissertation methodology (no later than 3 months from study enrollment)	
	DLXX61Y Foreign internship	
	DLXX014Y Theoretical and Methodological Analysis of the DissT topic (at the end of 1st year of study)	
	DLXX024Y Participation in the international scientific conference	
	Publication activity	
State Doctoral Examination		
Subjects	Professional debate on the researched topic	
	Forest harvesting and wood transport	Students select only one subject from the offered compulsory subjects for the programme, with regard to the DissT topic
	Wood processing	
	2 professional subjects resulting from the DissT topic - The SDE professional subjects do not have to be a part of the student's ISP	
Specific requirements for DissT		
Minimum range	70 SP	The DissT may also have the form of a commented set of published articles, see Art. 2 Para 3
Minimum number of citations	70	