Annex 1 A

Individual study plan for study in the doctoral study programme

**Part A: Framework layout of the study for the expected period of study.[[1]](#footnote-1)**

Student (name and surname, including titles):

Student's personal number:

Study programme: Landscape reclamation and ecosystem services

Student's workplace:

Supervisor:

Supervisor's workplace:

Start of study:

Planned termination:

**Dissertation topic (provisional title):**

**Planned objectives, thesis:**

**Consultant, supervisor-specialist:**

**Framework study plan of the doctoral study programme Landscape reclamation and ecosystem services:[[2]](#footnote-2)**

1st year:

|  |  |  |
| --- | --- | --- |
| Name | Number of credits | Credited |
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|  |  |  |
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2nd year:

|  |  |  |
| --- | --- | --- |
| Name | Number of credits | Credited |
|  |  |  |
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|  |  |  |
|  |  |  |

3rd year:

|  |  |  |
| --- | --- | --- |
| Name | Number of credits | Credited |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

4th year:

|  |  |  |
| --- | --- | --- |
| Name | Number of credits | Credited |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**Study stays, internships at other departments, conferences:**

**Other study obligations:**

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student’s signature supervisor’s signature

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signature of chairman of DB signature of dean

**Approved by the doctoral board on:**

Annex 1 B

Example of a Framework Plan.   
The recommended years for completion of the courses are given in Annex 2.

1st year:

|  |  |  |
| --- | --- | --- |
| Name | Number of credits | Credited |
| Landscape, biodiversity and climate (group A) | 15 | tutor |
| Applied economics and ecosystem services (group A) | 15 | tutor |
| One compulsory elective theoretical course (group B) | 15 | tutor |
| Dissertation preparation I (group D) | 10 | Supervisor |
| Field seminar I (group D) | 5 | Supervisor |
| Teaching practice I (group D) | 10 | Supervisor |
| Research project and its presentation (group D) | 10 | Supervisor |
| Credits | 80 | - |

2nd year:

|  |  |  |
| --- | --- | --- |
| Name | Number of credits | Credited |
| Reclamation, restoration, remediation and adaptation of landscape (group A) | 15 | tutor |
| Two compulsory theoretical electives (group B) | 30 | tutor |
| Teaching practice II (group D) | 10 | Supervisor |
| Field seminar II (group D) | 5 | Supervisor |
| Dissertation preparation II (group D) | 10 | supervisor |
| Internship abroad/international project I (group D) | 5 | tutor |
| Credits | 75 | - |

3rd year:

|  |  |  |
| --- | --- | --- |
| Name | Number of credits | Credited |
| Two compulsory practical electives (group C) | 10 | Tutor |
| Preparation of publication I (group D) | 5 | Supervisor |
| Dissertation preparation III (group D) | 10 | supervisor |
| Field seminar III (group D) | 5 | Supervisor |
| Teaching practice III (group D) | 10 | Supervisor |
| Internship abroad/international project II (group D) | 5 | Supervisor |
| Credits | 45 | - |

4th year:

|  |  |  |
| --- | --- | --- |
| Name | Number of credits | Credited |
| Dissertation preparation IV (group D) | 10 | supervisor |
| Teaching practice IV (group D) | 10 | Supervisor |
| Field seminar IV (group D) | 5 | Supervisor |
| Preparation of publication II (group D) | 5 | Supervisor |
| Preparation of publication III (group D) | 5 | Supervisor |
| Professional presentation at a conference I (group D) | 5 | Supervisor |
| Credits | 40 | - |

**Study stays, internships at other departments, conferences:**

Annex 1 C

Individual study plan for study in the doctoral study programme

**Part B: Study plan for the academic year ........**

Student (name and surname, including titles):

Student's personal number:

Year:

Study programme: Landscape reclamation and ecosystem services

Supervisor:

Current dissertation topic:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Abbreviation | Name | Number of credits | Expected date | Fulfilled | Tutor |
| **Compulsory electives** | | | | | |
|  |  |  |  |  |  |
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|  |  |  |  |  |  |
| **Compulsory subjects** | | | | | |
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**Other duties (internships, conference attendance, etc.) will be listed in the Annex as appropriate.**

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student’s signature supervisor’s signature

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signature of chairman of DB signature of dean

**Approved by the doctoral board on:**



Annex 2

Study plan of the **doctoral study programme Landscape reclamation and ecosystem services**

**GROUP A. Compulsory subjects**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of subject** | **Subject code** | **Method of verification** | **Credits** | **Guarantor and tutor** | **Supplementary year** |
| Landscape, biodiversity and climate | 1LBAC | Exam | 15 | prof. RNDr. Michal Hejcman, Ph.D., Ph.D., Mgr. et Ing. Jiří Lehejček, Ph.D. | 1 |
| Applied economics and ecosystem services | 1AEES | Exam | 15 | doc. Mgr. PhDr. Silvester van Koten, Ph.D.  Ing, Jan Macháč, Ph.D., Ing. Jiří Louda, Ph.D. | 1 |
| Reclamation, restoration, remediation and adaptation of landscape | 1RRRA | Exam | 15 | doc. RNDr. Petr Vráblík, Ph.D., doc. Ing. Josef Trögl, Ph.D., RNDr. Michal Řehoř, Ph.D., Mgr. Alexander Ac, Ph.D. | 1 |

**GROUP B. Compulsory optional theoretical subjects**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of subject** | **Subject code** | **Method of verification** | **Credits** | **Guarantor and tutor** | **Supplementary year** |
| Complex land consolidation | 1CLCO | Exam | 15 | doc. Ing. Petr Vráblík, Ph.D. | 1-3 |
| Economy and regulation | 1ECRE | Exam | 15 | doc. Mgr. PhDr. Silvester van Koten, Ph.D. | 1-3 |
| Water and landscape | 1WALA | Exam | 15 | doc. Ing. Lenka Slavíková, Ph.D., Ing. Jan Macháč, Ph.D. | 1-3 |
| Regeneration of brownfields in landscape | 1RBLA | Exam | 15 | doc. Ing. Petr Vráblík, Ph.D. | 1-3 |
| Impact of climate change on forest ecosystems | 1ICFE | Exam | 15 | doc. Ing. Dalibor Janouš, CSc. | 1-3 |
| Effect of climatic extremes on the stability of disturbed cultural landscape | 1ECEL | Exam | 15 | Mgr. Alexander Ac, Ph.D. | 1-3 |
| GIS and Environment | 1GISE | Exam | 15 | doc. Ing. Jan Pacina, Ph.D. | 1-3 |
| Methods of valuation of nature's functions and services | 1MVNF | Exam | 15 | doc. Ing. Josef Seják, CSc. | 1-3 |
| Breeding and welfare of animals in marginal areas | 1BWAN | Exam | 15 | prof. Ing. Miloslav Šoch, CSc., dr.h.c. | 1-3 |
| Integrated forest and landscape protection | 1ILFP | Exam | 15 | prof. Ing. Emanuel Kula, CSc. | 1-3 |
| Modeling of ozone deposition flux into the forest ecosystem in condition of climate change | 1MODE | Exam | 15 | doc. Ing. Miloš Zapletal | 1-3 |
| Modeling of aerosol particle capture by green infrastructure in settlements in conditions of climate change | 1MAPC | Exam | 15 | doc. Ing. Miloš Zapletal | 1-3 |
| Phytoremediations | 1PHYT | Exam | 15 | prof. Ing. Valentina Pidlisnyuk, DrSc., doc. Ing. Josef Trögl, Ph.D., RNDr. Hana Auer Malinská, Ph.D. | 1-3 |
| Fluxes of ozone and volatile organic compounds | 1FOVC | Exam | 15 | Ing. Stanislav Juráň, Ph.D. | 1-3 |
| Environmental microbiology | 1ENMB | Exam | 15 | doc. RNDr. Milan Gryndler, CSc. | 1-3 |
| Applied Economic Theory and Experiments | 1AETE | Exam | 15 | doc. Mgr. PhDr. Silvester van Koten, Ph.D. | 1-3 |

**GROUP C. Compulsory optional practical subjects**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of subject** | **Subject code** | **Method of verification** | **Credits** | **Guarantor and tutor** | **Supplementary year** |
| Terrain excursion | 1TERR | Zp | 5 | doc. Ing. Josef Trögl, Ph.D.,  Dr. rer. nat. Mgr. Kateřina Macháčová | 3 |
| Fluxes of methane and nitrous oxide in forest ecosystems | 1FMNI | Zp | 5 | Dr. rer. nat. Mgr. Kateřina Macháčová | 3 |
| Analysis of soil microbial communities | 1ASMC | Zp | 5 | doc. Ing. Josef Trögl, Ph.D., doc. RNDr. Milan Gryndler, CSc. | 3 |
| Practical determination of plant physiology | 1PDPP | Zp | 5 | Mgr. Hana Auer Malinská, Ph.D. | 3 |
| Geospatial data: sources and analysis | 1GDSA | Zp | 5 | doc. Ing. Jan Pacina, Ph.D. | 3 |
| Valuation of public goods and ecosystem services | 1VPGO | Zp | 5 | doc. Ing. Lenka Slavíková, Ph.D., Ing. Jan Machač, Ph.D., Ing. Jiří Louda, Ph.D. | 3 |

**GROUP D. Compulsory additional subjects**

The student must complete all of them to the minimum extent, but can complete some of them to a higher extent for extra credit.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of subject** | **Subject code** | **Method of verification** | **Credits** | **Guarantor and tutor** | **Supplementary year** |
| Field seminar I | 1FIS1 | Zp | 5 | programme guarantor | 1 |
| Field seminar II | 1FIS2 | Zp | 5 | programme guarantor | 2 |
| Field seminar III | 1FIS3 | Zp | 5 | programme guarantor | 3 |
| Field seminar IV | 1FIS4 | Zp | 5 | programme guarantor | 4 |
| Teaching practice I, II, III, IV | 1TEP1  1TEP2  1TEP3  1TEP4 | Zp | 10 each, min. 20 | programme guarantor | 1-4 |
| Research project and its presentation | 1RPRP | Zp | 10 | Supervisor | 1 |
| Preparation of publication I, II, III, IV, V | 1PRU1  1PRU2  1PRU3  1PRU4  1PRU5 | Zp | 5 each min. 15 | Supervisor | 2-4 |
| Professional presentation at a conference I, II, III | 1PCO1  1PCO2  1PCO3 | Zp | 5 each, min. 5 | Supervisor | 3-4 |
| Internship abroad/international project I, II | 1IAI1  1IAI2 | Zp | 5 each min. 5 | Supervisor | 2-3 |
| Dissertation preparation I | 1DIP1 | Zp | 10 | Supervisor | 1 |
| Dissertation preparation II | 1DIP2 | Zp | 10 | Supervisor | 2 |
| Dissertation preparation III | 1DIP3 | Zp | 10 | Supervisor | 3 |
| Dissertation preparation IV | 1DIP4 | Zp | 10 | Supervisor | 4 |

**E. Any other subject.** The student may, in agreement with the supervisor, choose other courses from the offer of UJEP and other universities, especially from compatible study programmes. Credit evaluation is decided by the supervisor and approved by the doctoral board within the individual study plan.

**State examinations and dissertation defence**

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| --- | --- | --- | --- | --- | --- |
| **Name of subject** | **Subject code** | **Method of verification** | **Credits** | **Guarantor and tutor** | **Supplementary year** |
| Ecology, biodiversity and climate | 1EBC | SFE | - | Appointed committee | 4 |
| Applied economics and ecosystem services\* | 1AES | SFE | - | Appointed committee | 4 |
| Reclamation, restoration, remediation and adaptation of landscape\* | 1RRR | SFE | - | Appointed committee | 4 |
| Doctoral Thesis Defense | 1DTD | ODP | - | Appointed committee | 4 |

\* The student chooses one of the compulsory optional courses

**Rules for drawing up an Individual Study Plan (ISP)**

Study plans are determined individually, recommended ISP structure:

* All three compulsory courses (A); **45 credits**
* At least three compulsory theoretical electives (B); **min. 45 credits**
* At least two compulsory practical electives (C); **min. 10 credits**
* Compulsory additional subjects (D); **min. 115 credits**

The ISP is proposed by the supervisor in consultation with the student and approved by the doctoral board. The course content, method of completion, method of evaluation, etc. are listed in the IS/STAG portal. 240 credits must be obtained for the study. The evaluation of the "Dissertation preparation" courses is usually carried out once a year in the form of a presentation of the results achieved by the student in front of the professional public and appointed representatives of the Faculty of Philosophy and Public Administration (e.g. at the so-called Field Days).

Annex 3

**Annual evaluation of the fulfilment of the individual study plan in the doctoral study programme per year:**

Student (name and surname, including titles):

Student's personal number:

Year:

Study programme: Landscape reclamation and ecosystem services

Supervisor:

Current dissertation topic:

**Part A: To be completed by the student**

1. **ISP and its performance**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Abbreviation** | **Name** | **Number of credits** | **Expected date** | **Fulfilled** | **Tutor** |
| **Subjects** | | | | | |
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**Commentary (justification of changes, etc.):**

1. **Pedagogical activities (teaching in courses, conducting exercises, conducting BP/DP, etc.):**
2. **Preparation of the dissertation (brief description and evaluation of the work carried out and the plan for the next year, estimated horizon for the application for the state doctoral examination and submission of the dissertation):**

1. **Participation in conferences and other ways of presenting research results, including professional publications (only related to the topic of the dissertation, with a brief indication of the contribution and nature of own work):**
2. **Internships and study stays, specialised courses not included in the ISP, etc:**
3. **Participation in projects (role in the research team):**

**Part B: To be completed by the supervisor**

**Evaluation of ISP performance (agreement/disagreement with the above evaluation, comments and remarks especially during the preparation of the dissertation):**

**Proposals for modification of the ISP:**

**Conclusion: On the basis of the evaluation, I RECOMMEND/DO NOT RECOMMEND to continue studying according to the original study plan.**

In Ústí nad Labem, on ...........

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student’s signature supervisor’s signature

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signature of chairman of DB signature of dean

**Discussed by the doctoral board on:**

The doctoral board AGREES / DISAGREES with the supervisor's recommendation (in case of disagreement, give reasons).



Annex 4

**Application for the State Doctoral Examination**

Name, surname, titles:

Student's personal number:

Date and place of birth:

Contact address incl. ZIP CODE:

Contact (tel., e-mail):

Study programme: Landscape reclamation and ecosystem services

Title of the dissertation:

Supervisor (name and place of work):

Application submitted on: ...................................

student's signature

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

The doctoral studies officer of the Faculty of PhD Studies confirms that the student has passed the examinations in all subjects prescribed in his/her individual study plan.

Y/N

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ stamp and signature

1. The standard period of study is 4 years. [↑](#footnote-ref-1)
2. The curriculum includes a detailed plan for the first year of study. Plans for further years of study are refined during annual evaluations of the course of study. [↑](#footnote-ref-2)