##### The Study Plan for the 3rd Degree of Study – PhD Study

Study programme: **Environmental** **Management**

Field of study: **Ecological and Environmental Sciences**

Form and duration of study: **part-time (5 years)**

Degree of study: **3rd degree**

Academic degree: **PhD.**

Guarantor of the study programme: **professor** Danica Fazekašová, CSc.

Co-guarantors: **associate professor** Peter Adamišin, PhD., **associate professor** Rastislav Kotulič, PhD.

**A) Units of study and pedagogical activities– COMPULSORY SUBJECTS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Code** | **Year of study**  **Semester**  **Lessons (L) /Exams (E)/**  **Credits (C)** | **I year/PhD.** | | | | **II year/PhD.** | | | | | **III year /PhD.** | | | | **IV year /PhD.** | | | | **V year /PhD.** | | | | **Guaranteed by/lectured by** |
| 1st semester | | 2nd semester | | 1st semester | | | 2nd semester | | 1st semester | | 2nd semester | | 1st semester | | 2nd semester | | 1st semester | | 2nd semester | |
| L  E | C | L  E | C | L  E | C | | L  E | C | L  E | C | L  E | C | L  E | C | L  E | C | L  E | C | L  E | C |
| **COMPULSORY SUBJECTS** | | | | | | | | | | | | | | | | | | | | | | | |
| 7KEM//UDRO-PHDe/16 | **Sustainable Development - Selected Topics** | 20  E | 10 |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | *Department of Environmental Management*  **prof. Ing. Danica Fazekašová, CSc.**  **doc. Ing. Peter Adamišin, PhD.** |
| 7KMP/STAM-PHDe/15 | **Statistics and Methodology of Scientific Research** |  |  | 20  E | 10 |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | *Department of Mathematical Methods and Managerial Informatics*  **doc. RNDr. Csaba Török, CSc.,**  **prof. Ing. Štefan Lyocsa, PhD.** |
| 7KEM/ENMA-PHDe/16 | **Environmental Management - Selected Topics** |  |  | 15  E | 10 |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | *Department of Environmental Management* **prof. Ing. Danica Fazekašová, CSc.**  **doc. Ing. Emília Huttmanová**, **PhD.** |
| *7KMN/ZVS-PHD/17* | **Fundamentals of Higher Education Pedagogy** | 10  E | 5 |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | *Department of Management*  **prof. Ing. Ján Bajtoš, PhD.** |
| 7KEM/DISK-PHDe/15 | **Dissertation exam** |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | E | 30 |  |  |  |  |  |
| **The number of contact lessons** | | **30** |  | **35** |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| The number of exams and credits awarded for **COMPULSORY** subjects for the whole period of study | | **2** | **15** | **2** | **20** |  |  |  | |  |  |  |  |  |  |  | **1** | **30** |  |  |  |  |  |

## B) Units of study and pedagogical activities – COMPULSORY OPTIONAL SUBJECTS

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Code** | **Year of study**  **Semester**  **Lessons (L) /Exams (E)/**  **Credits (C)** | **I year/PhD.** | | | | | **II year/PhD.** | | | | **III year /PhD.** | | | | **IV year /PhD.** | | | | **V year /PhD.** | | | | **Guaranteed by/lectured by** |
| 1st semester | | 2nd semester | | | 1st semester | | 2nd semester | | 1st semester | | 2nd semester | | 1st semester | | 2nd semester | | 1st semester | | 2nd semester | |
| L, E | C | L, E | C | | L, E | C | L, E | C | L, E | C | L, E | C | L, E | C | L, E | C | L, E | C | L, E | C |  |
| **COMPULSORY OPTIONAL SUBJECTS – A MINIMUM OF 2 SUBJECTS** | | | | | | | | | | | | | | | | | | | | | | | |
| 7KEM//UDRO-PHDe/16 | **Environmental Protection and Monitoring** |  |  |  |  | | 15  E | 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Department of Environmental Management  **prof. Ing. Danica Fazekašová, CSc.** |
| 7KMP/IMSY-PHDe/16 | **Integrated Management Systems** |  |  |  |  | | 15  E | 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Department of Environmental Management  **doc. Ing. Peter Adamišin, PhD.**  **doc. Ing. Emília Huttmanová**, **PhD.** |
| 7KMN/MARO-PHDe/15 | **Managerial Decision Making – Selected topics** |  |  |  |  | |  |  | 15  E | 10 |  |  |  |  |  |  |  |  |  |  |  |  | Department of Management  **doc. Ing. Ladislav Sojka, CSc.**  **doc. Ing. Peter Gallo, PhD.** |
| 7KEM/PVZP-PHDe/16 | **Assessment of Environmental Impact** |  |  |  |  | |  |  | 15  E | 10 |  |  |  |  |  |  |  |  |  |  |  |  | Department of Environmental Management  **prof. Ing. Danica Fazekašová, CSc.** |
| 7KMN/TREM-PHDe/15 | **Environmental Management Trends in the European Integration Area** |  |  |  | |  |  |  |  |  |  |  | 15  E | 10 |  |  |  |  |  |  |  |  | Department of Marketing and International Trade  **prof. Ing. Róbert Štefko, Ph.D.** |
| 7KMI/APE1-PHDe/20 | **Applied Econometrics I.** |  |  |  | |  | 15  E | 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Department of Mathematical Methods and Managerial Informatics  **prof. Ing. Štefan Lyocsa, PhD.** |
| 7KMI/APE2-PHDe/20 | **Applied Econometrics II.** |  |  |  | |  |  |  | 15  E | 10 |  |  |  |  |  |  |  |  |  |  |  |  | Department of Mathematical Methods and Managerial Informatics  **prof. Ing. Štefan Lyocsa, PhD.** |
| **Number of lessons** | | **A minimum of 30 lessons in total** | | | | | | | | | | | | | | | | | | | | |  | |
| **A MAXIMUM possible number of exams and credits awarded for COMPULSORY OPTIONAL subjects during the whole study offered by the faculty** | | **7**  **70**  **2**  **20** | | | | | | | | | | | | | | | | | | | | |  | |
| **A MINIMUM possible number of exams and credits awarded for COMPULSORY OPTIONAL subjects during the whole study offered by the faculty** | |  | |

**A dissertation exam – list of subjects**

* Sustainable Development
* Environmental Management
* Methodology of Scientific Research

**Recommended fulfilment of PhD students’ academic obligations in a five-year part-time form of study – 240 credits**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Year** | | **I year / PhD.** | | **II year/ PhD.** | | **III year / PhD.** | | **IV year / PhD.** | | **V year / PhD.** | | **TOTAL MINIMUM STANDARD OF CREDITS** |
| **Subjects/ credits** | | **Number of subjects** | **Number of credits** | **Number of subjects** | **Number of credits** | **Number of subjects** | **Number of credits** | **Number of subjects** | **Number of credits** | **Number of subjects** | **Number of credits** |
| Number of subjects for PhD students **STUDY** | **Compulsory subjects** | **4** | **35** |  |  |  |  | **A research project related to dissertation exam** | **30** |  |  | **35**  **30** |
| **Compulsory optional subjects** |  |  | **1** | **10** | **1** | **10** |  |  |  |  | **20** |
| A CREATIVE ACTIVITY in the field of science and writing a dissertation thesis1 | |  | **15** |  | **20** |  | **30** |  | **30** |  | **30 + 30** | **155** |
| A total number of credits for a standard workload of a PhD student per year | |  |  |  |  |  |  |  |  |  |  | **240** |

**1 Specification of requirements concerning a creative activity:**

Referring to their publication activity, each PhD student (in both forms of study) has to meet at least one of the following requirements a) – d) as one of the basic conditions for accepting the application for the dissertation defence:

1. To publish at least 5 scientific studies in scientific journals including at least 2 registered in the WOS databases.
2. To publish at least 5 scientific studies in scientific journals including at least 3 registered in the SCOPUS database.
3. To publish at least 5 scientific studies in scientific journals including at least 1 registered in the WOS databases as well as one scientific monograph (assessed as a scientific monograph by the Field Committee on the doctoral study at the FM UP in Prešov before allowing the dissertation defence).
4. To publish at least 5 scientific studies in scientific journals including at least 2 registered in the SCOPUS database as well as one scientific monograph (assessed as a scientific monograph by the Field Committee on the doctoral study at the FM UP in Prešov before allowing the dissertation defence).

In case of other combination of the above-mentioned publication outputs (a) – d)) that are not of lower quality, the decision is made by the Field Committee on the doctoral study at the FM UP.

1. During a whole period of study, to participate in at least 1 one-month scientific-research stay related to a theme of the dissertation thesis at the international research and/or higher education institution.
2. It is recommended that part-time students are members of a project team of at least one scientific-research grant (preferably at the Faculty of Management of UP or other higher education institution, or in practice) registered in Slovak or international scientific-research agencies. This project grant has to be solved and registered at the Faculty of Management of UP in Prešov. The student has to submit concrete measurable results of their assigned research task.

Notes:

* + - * Doctoral study is regulated by the Study Regulations of the University of Prešov in Prešov
      * Doctoral study is regulated by the Dean’s Measure FM UP in  Prešov No. 1/2013
      * Doctoral study is regulated by the Dean’s Measure FM UP in  Prešov No. 2/2013

The faculty enables PhD students to adjust (mainly in the second half of their study) their **individual study plan** schedule, which means that the most talented and

diligent PhD students can complete their study by meeting all standard study requirements earlier than planned.

**The plan for taking the subjects and sitting for exams in the given tables is an example of a recommended doctoral study plan including binding structural requirements. Each PhD student devises their INDIVIDUAL study plan in collaboration with their supervisor.**

**For a successful accomplishment of doctoral study in both forms (full-time and part-time) it is necessary to fulfil all these duties:**

**a) To carry out RESEARCH activities.**

**b) To pass all 4 compulsory subjects.**

**c) To pass at least 2 out of 5 compulsory optional subjects during the whole period of study – these subjects and exams can be taken earlier than indicated in the recommended doctoral study plan.**

**d) To collect at least 240 credits for the whole doctoral study.**

**e) In the structure of credits to gain at least 155 credits for scientific-research and publication activities (scientific-research projects, publications, conference participations).**

**f) To pass a dissertation exam.**

**g) To defend quality RESEARCH-oriented dissertation thesis based on one’s own research.**

**Units of study and creative activity in the field of science –** (the same for both full-time and part-time forms of study):

* credits are awarded individually according to the level, quality, and intensity (of standard accomplishment) of each PhD student’s performance (e.g. the level of a published paper in a scientific journal in relation to the response of professional audience, the level of a lecture –an active participation in a conference etc.)

**Credits are awarded for particular types of activities in doctoral study programmes**

1. **Study and pedagogic activity**

|  |  |
| --- | --- |
| **Activity** | **Credits** |
| I.1. Taking compulsory subjects | A minimum of 35 |
| I.2. Taking compulsory optional and optional subjects | A minimum of 10 |
| I.3. Thesis - dissertation thesis research project | 30 |
| I.4. Study and/or research stay at a foreign higher education or scientific-research institution:  For a semester  For a month  A possibility of alteration with the lecturing activity in a part-time form of study:  4 seminars a week /semester  2 seminars /semester  Supervision of Bachelor’s thesis + review  Opponent’s review of a bachelor’s thesis | 10  5  10  5  2  1 |

**2. Creative activities in the field of science**

|  |  |
| --- | --- |
| **Activity** | **Credits** |
| II.1.1. AAA, AGJ, CAA, ADD, ADM | 30 |
| ADC, CDC | 40 |
| II.1.2. AAB, ABA, ABC, ACA, ACB, ACC, ADC, ADE, AND, AEC, CAB, CAG, CAI, CDC, CDE, CGC | 20 |
| II.1.3. ABB, ABD, ACD, ADF, AED, AEE, AEF, AFA, AFC, BAA, BAB, BBA, BBB, BCB, BCI, BGG, BDE, BGH, CAH, CAJ,  CDD, CDF, CEC, CGD | 10 |
| BDC | 15 |
| II.1.4. AEG, AEH, AFB, AFD, AFE, AFF, AFG, AFH, AFI, AFJ, AFK, AFL, BCK, BDA, BDB, BDF, BEC, BED, BEE, BEF, BFA,  BFB, CED, EAI, EDJ, FAI, GAI | 5 |
| EDI | 1 |
| II.1.7. Citations registered in citation indexes  - Web of Science/SCOPUS (domestic/foreign) | 3/5 |
| II.1.5. Each citation domestic /foreign | 1/2 |
| II.2.1. Active participation in a foreign scientific event | 5 |
| II.2.2. Active participation in a domestic scientific event | 3 |
| II.2.3. Active participation in a foreign professional event | 3 |
| II.2.4. Active participation in a domestic professional event | 1 |
| II.3.1. Leading „ UP Grant for PhD students “or other scientific grant | 15 |
| II.3.2. Participation in a scientific grant project | 10 |
| II.3.4. Writing a dissertation thesis (credits are awarded after its acceptance for defence) | 30 |