

# **University of Natural Resources and Life Sciences, Vienna Curriculum for the Doctoral Programme of Social<sup>1)</sup> and Economic Sciences at the University of Natural Resources and Life Sciences, Vienna**

(Last updated: 1 October 2020)

The following curriculum for the Doctoral Programme of Social and Economic Sciences at the University of Natural Resources and Life Sciences, Vienna (BOKU) is issued pursuant to § 54 of the Universities Act 2002:

## **§ 1. Goal of the Doctoral Programme**

The Doctoral Programme of Social and Economic Sciences at the University of Natural Resources and Life Sciences, Vienna, serves to further develop the ability to carry out independent scientific work as well as to train and promote young scientists in the field of social and economic sciences with reference to natural resources and life sciences.

The Doctoral Programme of Social and Economic Sciences at the University of Natural Resources and Life Sciences Vienna offers a scientific education at an international level. The dissertation may be written entirely in English.

### **1a) Knowledge, skills, personal and professional competences**

Graduates of the Doctoral Programme of Social and Economic Sciences at the University of Natural Resources and Life Sciences Vienna have acquired a systematic understanding of their research discipline. They have the competence to independently plan and carry out research work in accordance with international standards and thus make a substantial contribution to the development of the international knowledge society.

Graduates of the Doctoral Programme of Social and Economic Sciences at the University of Natural Resources and Life Sciences Vienna are qualified to publish their own research work in relevant journals and to independently present scientific findings as well as to analyse in detail and critically discuss their own and other people's scientific results and concepts with experts and audiences from outside the field.

Students acquire the ability to analyse scientifically and to evaluate and link complex concepts and ideas. They are trained to identify issues from research, business, industry, politics and civil society and to develop innovative solutions.

The international and interdisciplinary orientation of the Doctoral Programme of Social and Economic Sciences at the University of Natural Resources and Life Sciences Vienna promotes the mobility of students and sharpens their view beyond the boundaries of their own field of study.

In the course of the dissertation, interdisciplinary key qualifications (project and time management, organisational and communication skills, ability to work in a team, leadership skills, flexibility and creativity) are further developed, enabling graduates to adapt their professional competence to rapidly shifting requirements and changing professional fields.

## 1b) Professional fields

Graduates of the Doctoral Programme of Social and Economic Sciences at the University of Natural Resources and Applied Life Sciences Vienna are particularly prepared for highly qualified professional activities in industry, business, public service, NGOs and scientific organisations as well as for teaching and research activities at universities and other educational and research institutions.

### **§ 2. Admission to the Doctoral Programme**

- (1) Prerequisite for admission to the Doctoral Programme of Social and Economic Sciences at the University of Natural Resources and Life Sciences, Vienna, is:
  - a.) the completion of an engineering diploma or Master's degree programme at BOKU, or an individual diploma or Master's degree programme with major subject at BOKU, or
  - b.) the completion of a study programme at a recognised domestic or foreign post-secondary educational institution that is equivalent to the diploma or Master's degree programmes mentioned in lit. a), or
  - c.) the completion of a domestic degree programme at a "Fachhochschule" [University of Applied Sciences] determined by ordinance to be subject-relevant, or
  - d.) the completion of a social and economic science<sup>1)</sup> diploma or Master's degree programme.
- (2) If equivalence is basically given and only individual supplements (up to a maximum of 60 ECTS credits) to the full equivalence are missing, the Rectorate is entitled to combine the determination of equivalence with the specification of examinations to be taken during the respective doctoral programme in addition to the oral part of the doctoral examination.
- (3) The admission according to para. 1 lit. b.) of graduates of foreign post-secondary educational institutions shall require the proof of direct admission to a doctoral programme in the country of issue of the certificate by which the general university entrance qualification is proven.
- (4) The admission is granted by the Rector of the University of Natural Resources and Life Sciences, Vienna.

### **§ 3. Duration and Organisation**

- (1) The Doctoral Programme of Social and Economic Sciences at the University of Natural Resources and Life Sciences Vienna comprises at least 180 ECTS credits, of which at least 20 ECTS credits are doctoral courses and 160 ECTS credits are for the dissertation.
- (2) If admission is granted pursuant to § 2 para. 1 lit. c), the scope of the Doctoral Programme shall be increased in accordance with the relevant statutory provisions.
- (3) After admission to the Doctoral Programme, the applicant shall register the studies with the dean of studies within one year. This registration has to include:
  - Title of the dissertation topic

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1) Social sciences are the subjects listed in point 5 of the ÖSTAT branches of science.

- Naming a supervisor with a relevant major authorisation to teach in Social and Economic Sciences
  - Submission of an exposé approved by the supervisor that contains the following points:
    - Supervisory team (must consist of at least 3 persons including a supervisor, at least one of whom must be a university lecturer with a major teaching authorisation or equivalent qualification)
    - Time and work plan
    - Resource plan
    - Proposal for doctoral courses
- (4) If the treatment of a topic requires the use of financial or material resources of BOKU institutions, it is only permissible if the head of the institution has been informed about the intended allocation and has not prohibited it within one month due to a significant impairment of teaching and research operations or due to burden on resources.
- (5) The doctoral project is considered accepted after approval by the dean of studies.
- (6) The change of the supervisor or the topic is possible until the submission of the dissertation. The project must be registered anew and a statement must be gotten from the previous supervisor. **This statement must be made within 6 weeks.** In the event of changes to the courses, the partial list must be changed.

#### § 4. Doctoral Examination

The doctoral examination is a comprehensive examination that has to be taken in two parts. The first part must be taken in the form of course examinations, the second part in the form of a dissertation defence (defensio).

#### § 5. First Part of the Doctoral Examination

- (1) As part of the first part of the doctoral examination in Social and Economic Sciences at the University of Natural Resources and Life Sciences Vienna, all students have to pass examinations on courses amounting to at least 20 ECTS points. These courses must be related to the dissertation topic, with completion of the course "Principles and challenges of research in socio-economics, natural resources and life sciences" being mandatory.
- (2) Students who have been admitted according to § 2 para. 1 lit. c.) have to take additional examinations (course examinations); these are not part of the doctoral examination. The scope and/or the subject areas to which these courses must be assigned are regulated in the Ordinance on Doctoral Programmes for graduates of Universities of Applied Sciences applicable to the respective University of Applied Sciences degree programme.
- (3) The courses must be determined by decree by the dean of studies based on a proposal by the supervisory team. The student is entitled to make proposals in this regard. A stepwise application (= partial determination) of the course is possible.

The selection of more than 20 ECTS points is permissible, but also mandatory after being prescribed.

- (4) The student is entitled to attend further courses and take examinations in addition to the examinations prescribed in accordance with § 5 para. 1 to 3.
- (5) Recognition of non-university research achievements, including scientific publications, shall be granted in accordance with § 78 para. 3 of the University Act 2002.

## **§ 6. Dissertation**

- (1) The dissertation is the scientific work that serves to demonstrate the ability to independently deal with social and economic issues. Several scientific publications that all relate to the same topic(s) are also considered to be a dissertation.
- (2) The topic of the dissertation to be proposed by the student shall be selected from a Social and Economic Science subject which is represented at the University of Natural Resources and Life Sciences Vienna by a university lecturer with a major authorisation to teach. The student is also entitled to select the topic from a number of suggestions made by the available supervisors with major teaching authorisation in Social Sciences.
- (3) The joint treatment of a topic by several students is permissible if the performances of the individual students remain separately assessable.
- (4) The completed dissertation must be submitted to the dean of studies for assessment.
- (5) The dean of studies shall submit the dissertation to two university professors pursuant to § 31 paras. 5 and 6 of the Statutes, Part on Study Law, who must, as a rule, review the dissertation within a maximum of two months. The assessors must neither be supervisors nor co-authors of publications relevant to the dissertation, but may be part of the supervisory team. At least one assessor must not be a member of BOKU. Both assessors must be chosen from the dissertation subject or at least a subject related to it.
- (6) In addition to evaluating the work, the assessors must also state in their report whether they rate the dissertation positively or negatively. They are also entitled to make a proposal on a grade in accordance with § 73 para. 1 of the University Act 2002.
- (7) If one of the two assessors gives a negative evaluation of the dissertation, the dean of studies must call in a third assessor, who must at least belong to a closely related subject. This person must assess the dissertation within two months.

## **§ 7. Second Part of the Doctoral Examination**

- (1) The registration for the second part of the doctoral examination requires the fulfilment of the admission requirements, the positive completion of the examinations of the first part of the doctoral examination (of the courses prescribed according to § 5), as well as the

overall positive evaluation of the dissertation. If three assessments have to be carried out (§ 6 para. 8), at least two of the assessments must show a positive evaluation.

- (2) The second part of the doctoral examination is a dissertation defence (defensio), which must be taken in front of the entire defensio committee under special public attention.
- (3) The evaluation of the defensio is carried out by the defensio commission and refers to an evaluation sheet as follows:
  - Presentation skills
  - Ability to explain one's own work
  - Existing expertise in the core field
  - Existing expertise in related fields
  - Answering the questions
  - Argumentation during the discussion
  - Discussion of comments and criticisms of the expert reports
- (4) The dissertation is graded by an absolute majority of the members of the defensio committee based on the assessments.
- (5) The defensio commission is also responsible for the overall assessment of the completion of the Doctoral Programme. The overall assessment consists of the grading of the defensio, the grading of the dissertation as well as the first part of the doctoral examination, with all parts having to be completed positively. The first and second parts of the doctoral examination are each weighted with 0.25 and the dissertation assessment with 0.5.

The candidate only receives an honourable mention if the two doctoral examination grades and the dissertation assessment are a maximum of 2.0 and the overall grade point average is a maximum of 1.5.

The overall assessment of the doctoral examination must state "passed" if each part (1<sup>st</sup> and 2<sup>nd</sup> doctoral examination, dissertation) has been positively assessed, otherwise it must state "not passed".

## **§ 8. Academic Degree**

Graduates of the Doctoral Programme of Social and Economic Sciences at the University of Natural Resources and Life Sciences Vienna are awarded the academic degree of "Doctor of Social and Economic Sciences", Latin "Doctor rerum socialium oeconomicarumque" abbreviated to "Dr.rer.soc.oec".

## **§ 9. Entry Into Force**

This curriculum takes effect on 1 October 2020.