

The English version of the curriculum for the „Doctoral Programme Architecture“ unfolds no legal affects and is for information purposes only. The legal basis is regulated in the curriculum published in the University of Innsbruck Bulletin on 5 May 2010, issue 23, No. 252.

Decision of the Curriculum Committee of the Faculty of Architecture on 14 January, 2010, approved by Senate Decree on 15 April, 2010:

On the basis of § 25 para. 1, no. 10 University Organisation Act 2002, BGBl. I (Federal Law Gazette) No. 120, most recently amended by Federal Law BGBl. I (Federal Law Gazette) No. 81/2009 and § 32 Section "Regulations of Study Law", republished in the University of Innsbruck Bulletin of 3 February 2006, Issue 16, No. 90, most recently amended by the University of Innsbruck Bulletin of 3 February, 2010, Issue 12, No. 128, the following is decreed:

## **Doctoral Programme Architecture** at the Faculty of Architecture of the University of Innsbruck

### **§ 1 Qualification profile and programme objectives**

- (1) The Doctoral Programme Architecture belongs to the group of studies in the engineering sciences.
- (2) The objectives of the Doctoral Programme Architecture are to develop the competence to solve complex scientific problems in basic research, applied research, and design on a high, international level, corresponding to acknowledged scientific standards. The programme also serves to contribute to the science of architecture through independent research.
- (3) In order to achieve these objectives, doctoral students consolidate and expand their knowledge acquired during relevant master studies in special courses and through independent study. Additionally, they acquire the skills to plan and carry out research projects and designs independently, to make original contributions to research topics in architecture, to publish their research results and designs in international scientific journals, and to present and defend them at national and international conferences. In this context, writing the dissertation is highly relevant and serves as evidence that students are capable of solving scientific problems in architecture on a high level of expertise and in an independent, scientifically correct, and methodically flawless manner.
- (4) Moreover, the doctoral programme serves to educate and promote internationally oriented junior scientists. Graduates of the doctoral studies are able to carry out innovative research, both alone and in teams, and are able to assume coordinative and managerial positions.

### **§ 2 Length and scope**

The Doctoral Programme Architecture takes three years (six semesters), which equals 180 ECTS credits.

### **§ 3 Admission**

- (1) Valid proof of the necessary academic level for admission to the doctoral programme must be provided. This includes proof of completion of relevant diploma or master programmes, of completion of relevant diploma or master programmes at a university of applied science or completion of other equivalent studies at an accredited Austrian or non-Austrian post-secondary educational institution. If equivalency is given in principle, and only a few elements are missing for full equivalency, the rector's office is entitled to combine the determination of equivalency with the obligation to pass certain examinations in the course of the doctoral programme.
- (2) Relevant studies are in any case the
- 1: Diploma Programme Architecture completed at the University of Innsbruck,
  - 2: Master Programme Architecture completed at the University of Innsbruck.

#### § 4 Types of courses and maximum number of students per course

- (1) **Lectures (VO)** serve the systematic and/or in-depth transfer of knowledge. They provide a survey of the state of knowledge in the respective subject area. The focus is on the lecturer's activities. The didactic design of lectures also includes the preparation of teaching materials.
- (2) **Seminars (SE)** combine knowledge transfer and independent knowledge acquisition. Students work on, present, discuss, and document different assignments by means of scientific methods. Seminars are courses with continuous performance assessment. Maximum number of participants: 25

#### § 5 Procedure for the allotment of places in courses with a limited number of participants

Students whose study time will be prolonged if they are not admitted are to be given priority.

#### § 6 Mandatory and elective modules

- (1) The following modules – equal to 30 ECTS credits – are mandatory:

1	<b>Mandatory Module: Scientific Basics/Core Skills of the Thesis Topic</b>	<b>Sem. hours</b>	<b>ECTS Credits</b>
	Courses, as defined in the dissertation agreement, equal to 10 ECTS points have to be completed to develop the scientific basis/core competences for the dissertation topic.	-	10
	<b>Total</b>		10
	<b>Learning objectives of the module:</b> After the successful completion of this module, students possess the high level of interdisciplinary knowledge necessary for working on the dissertation.		
	<b>Admission requirements:</b> The registration requirements of the respective curricula apply. Proposal: none		

2	<b>Mandatory Module: Reflection on Research I</b>	<b>Sem. hours</b>	<b>ECTS credits</b>
	In the first year of the doctoral programme, a	-	5

	comprehensive description of the planned dissertation has to be written. This includes the central question, methods, objectives, literature, and time schedule of the project.		
	<b>Total</b>	-	5
	<b>Learning objectives of the module:</b> Competence in planning research projects including a written presentation; reflected knowledge and a prospectus of the student's dissertation		
	<b>Admission requirements:</b> none		

3	<b>Mandatory Module: Dissertation Project</b>	<b>Sem. hours</b>	<b>ECTS credits</b>
a	<b>SE Dissertation Seminar 1</b>	2	2.5
b	<b>SE Dissertation Seminar 2</b>	2	2.5
c	<b>SE Dissertation Seminar 3</b>	2	2.5
d	<b>SE Dissertation Seminar 4</b>	2	2.5
	<b>Total</b>	8	10
	<b>Learning objectives of the module:</b> The objective of this module is for dissertation supervisors to guide the dissertation projects from the first project idea to the reflection on the current state of scientific discussion, suitable theoretical approaches, and methods. After the successful completion of this module, students are capable of assessing their own research project critically and structuring it clearly. At the same time, students train the skills to communicate scientific questions and results appropriately.		
	<b>Admission requirements:</b> none		

4	<b>Mandatory module: Doctoral Thesis Defense</b>	<b>Sem. hours</b>	<b>ECTS credits</b>
	Final oral dissertation defense before an examination board	-	5
	<b>Total</b>	-	5
	<b>Learning objectives of the module:</b> Presentation, reflection on and analysis of dissertation results in the overall context of the doctoral study programme; the focus is on summarizing and explaining results of the research project, on presenting the increase in knowledge for the discipline, on demonstrating evaluation and methodical competences, as well as on presenting the results.		
	<b>Admission requirements:</b> positive completion of all other modules and positive evaluation of the dissertation		

(2) Elective modules equal to 30 ECTS credits have to be completed:

1	<b>Elective module: Generic Skills</b>	<b>Sem. hours</b>	<b>ECTS credits</b>
	Courses, as defined in the dissertation agreement, equal to 10 ECTS credits have to be completed. One course must be taken from the field of "Equality and Gender". Additionally, courses are offered which develop didactic skills and competences for subsequent knowledge		10

	transfer of the field. Suitable options are marked in the course catalog.		
	<b>Total</b>		10
	<b>Learning objectives of the module:</b> After the successful completion of this module, students have advanced theoretical and practical knowledge, skills and competences in selected disciplines, as well as methods and general skills which empower them to pursue independent scientific work and help them succeed in their future careers.		
	<b>Admission requirements:</b> none		

2	<b>Elective Module: Inter-faculty or Inter-university Discipline-specific Networks</b>	<b>Sem. hours</b>	<b>ECTS credits</b>
	Active participation in subject-specific inter-faculty or inter-university research networks, such as "DoKoNaRa" or "Netzwerk Architekturtheorie" [Network Architectural Theory], by means of lectures, discussions, and publications. There, research results are discussed critically with several professors and students of the Faculty of Architecture and other faculties and universities.	-	10
	<b>Total</b>	-	10
	<b>Learning objectives of the module:</b> In an inter-faculty and/or inter-university context, students present, reflect on, and analyze preliminary results of the dissertation and critically reflect on and analyze the research results of other doctoral students.		
	<b>Admission requirements:</b> none		

3	<b>Elective Module: Research Course</b>	<b>Sem. hours</b>	<b>ECTS credits</b>
a	SE Research Seminar 1	2	2.5
b	SE Research Seminar 2	2	2.5
c	SE Research Seminar 3	2	2.5
d	SE Research Seminar 4	2	2.5
	<b>Total</b>	8	10
	<b>Learning objectives of the module:</b> Self-organized learning: Under didactic guidance and by consulting experts and their written opinions, students approach specific architectural questions by means of scientific methods. They possess the specialized skills and working techniques, including synthesizing and evaluating, necessary for solving central issues of their own original research and for defining existing knowledge anew.		
	<b>Admission requirements:</b> none		

4	<b>Mandatory Module: Presentation of Own Research Results</b>	<b>Sem. hours</b>	<b>ECTS credits</b>
	Students present their own research results and/or award-winning projects in the context of national or international conferences or symposia.	-	10
	<b>Total</b>	-	10
	<b>Learning objectives of the module:</b> After the successful completion of this module, students are able to present research results in national or international forums, to analyze and critically assess their own research performance and that of others, and to recognize the strengths and weaknesses of their research. Students acquire didactic skills which put them in a position to clearly present their research results to experts and to explain complicated correlations in a clearly understandable manner.		
	<b>Admission requirements:</b> none		

5	<b>Elective Module: Reflection on Research II</b>	<b>Sem. hours</b>	<b>ECTS credits</b>
	Students present research results they have achieved in the course of the dissertation by means of semi-annual research reports.	-	10
	<b>Total</b>	-	10
	<b>Learning objectives of the module:</b> Skills to plan research projects, including a written presentation; reflected knowledge and prospectus of the student's dissertation.		
	<b>Admission requirements:</b> positive completion of mandatory module 2		

6	<b>Elective Module: Architectural Practice</b>	<b>Sem. hours</b>	<b>ECTS credits</b>
	Internships comprising 240 hours, which equals 10 ECTS credits. Internships must be completed at subject-specific institutions, such as public authorities, administrative bodies, museums, or architecture firms. A certificate from the institution about duration and content is required.	-	10
	<b>Total</b>	-	10
	<b>Learning objectives of the module:</b> Students apply their scientific competences in a professional context and, after having completed the module, possess the knowledge and skills necessary to orient themselves along the requirements of occupational scientific practice.		
	<b>Admission requirements:</b> none		

## § 7 Dissertation

- (1) In the course of the doctoral programme, a dissertation has to be written, which equals 120 ECTS credits. The dissertation is a scientific piece of work which – in contrast to a diploma or master thesis – serves to prove the student's ability to cope with scientific questions in an independent way.
- (2) The dissertation topic must be chosen from the field of architecture.

- (3) The student has to propose a team of supervisors, consisting of at least two people (dissertation committee) and to nominate one of them as the supervisor mainly responsible. It is permissible to propose supervisors (with the exception of the main supervisor) from subject-related fields. In justifiable exceptional cases it is possible for students to propose only one supervisor.
- (4) The student has to communicate the dissertation topic and names of the supervisors in writing to the Director of Studies prior to beginning the work. Topic and supervisors are considered as accepted, if the Director of Studies does not veto them by means of a decree within one month after the receipt of the proposal.

## **§ 8 Examination regulations**

- (1) The evaluation of Mandatory and Elective Modules 1 and 3 is based on course examinations.
- (2) The evaluation of Mandatory Module 4 - "Dissertation Defense (final oral exam)" - is based on an oral exam taken before an examination board consisting of 5 examiners.
- (3) Mandatory Module 2 and Elective Modules 2, 4, 5, and 6 are evaluated by the main supervisor on the basis of a performance report written by the student. A positive grade has to read "participated with success"; a negative grade has to read "participated without success".

## **§ 9 Academic degree**

Graduates of the Doctoral Programme Architecture are awarded the academic degree of "Doctor of the Technical Sciences" or "Dr. techn.", in brief.

## **§ 10 Implementation**

This curriculum comes into force on 1 October 2009.

For the Curriculum Committee:  
Univ.-Prof. Ir. Bart Lootsma

For the Senate:  
Univ.-Prof. Dr. Ivo Hajnal