



# Study and Examination Regulations

Master of Science

Architecture - Typology

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Please note that this is an **unofficial translation** of the Study and Examination Regulations.  
In case of inconsistency between the German and the English version, the German version of the agreement prevails.

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	Official Gazette
Study and examination regulations	16/2017
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# I. Legal and Administrative Regulations

## Faculties

**Study and Examination Regulations for the international consecutive master's program in Architecture – Typology at Faculty VI – Planning Building Environment at Technische Universität Berlin**

of 12 October 2016

On 12 October 2016, the Faculty Board of Faculty VI - Planning Building Environment of Technische Universität Berlin adopted the following Study and Examination Regulations for the international consecutive master's program in Architecture – Typology, in accordance with Section 18 (1) no. 1 of the Constitution of Technische Universität Berlin and Section 71 (1) no. 1 of the Berlin State Higher Education Act (*Berliner Hochschulgesetz – BerlHG*), in the version of 26 July 2011 (Berlin Gazette of Laws and Ordinances [GVBl.], page 378), last amended by Article 4 of the BerlHG on 9 May 2016 (GVBl., page 226).\*)

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## I. General regulations

### Section 1 – Scope of application

These Study and Examination Regulations govern the objectives and structure of the program as well as examination requirements and the conducting of examinations in the international consecutive master's program in Architecture – Typology.

The program-specific provisions included herein supplement the Regulations Governing General Study and Examination Procedures of Technische Universität Berlin (*Ordnung zur Regelung des allgemeinen Studien- und Prüfungsverfahrens - AllgStuPO*).

### Section 2 – Entry into force/expiration

These regulations enter into force on the day after their publication in TU Berlin's Official Gazette and apply to students enrolling from the 2017/18 winter semester onwards.

## II. Program objectives and structure

### Section 3 - Learning outcomes, program content and professional fields

The international English-language master's program in Architecture – Typology at TU Berlin provides students with the knowledge and skills they need for a career in architecture. The focus of this studio-based program is on design. In performing architectural and urban design tasks, students must respond to a range of political, cultural, technical, economic, social and environmental changes. The design process involves exploring these multi-faceted and at times contradictory challenges and aims to achieve a holistic architectural solution.

A particular focus of the international master's program in Architecture – Typology is on building typologies (classification systems). To meet current challenges, a variety of typological approaches in building analysis and design are needed: In many regions, urban densification is closely linked with the development of hybrid, multiple-use types. Existing buildings are constantly being transformed and adapted to new needs by owners and occupants. Evolving lifestyles in an increasingly connected and transcultural society are affecting the way we design and organize buildings. As technical requirements for buildings become more complex, so too does the potential of new planning and construction technologies.

In this context, the program looks at how building typologies are being rethought and new tools developed in order to find context-specific solutions to complex challenges. This requires the use of established typological analysis and design methods as well as new, experimental, digital and speculative approaches. Typologies are developed on the one hand from the building scale to the urban scale, and on the other hand from the construction and material level to detail level. Design aspects and how they relate to social and technological aspects play an important role in this process. By performing concrete design tasks, students devise and develop different typological design approaches and methods at various scales. They acquire a deeper theoretical and historical understanding of typological thought and design in architecture. Additionally, they build up an awareness of how typological thinking evolves as the world we live in and the architecture we create are more thoroughly differentiated.

\*) Confirmed by the Executive Board of TU Berlin on 5 January 2017 and by the Senate Chancellery for Science and Research on 18 May 2017.

The international master's program in Architecture – Typology builds on the competencies acquired at bachelor's level. Graduates of this consecutive master's degree will have the highly developed design and construction skills and advanced knowledge necessary to work as generalists tasked with the interdisciplinary and integrated development and coordination of complex planning processes. Specifically, graduates will be able to:

1. Identify the specific contexts and potentials of future design tasks in all their variety and complexity, and translate these into innovative designs.
2. Understand appropriate typological analysis and design methods at architectural and urban scale, and independently develop and apply these.
3. Develop new types that respond to social and technological changes and contribute to the enhancement of architecture as a cultural discipline.
4. Place current questions about the meaning of typological thought and design in their theoretical and historical context, and evaluate these.
5. Recognize the need and potential for involving and integrating contributions from other disciplines in the planning process.
6. Identify and integrate complex planning, architectural, technical, social, historical and environmental concerns in particular in relation to issues of sustainability and gender.
7. Undertake scientific work on architectural topics in order to be able to independently conduct further research and studies.
8. Engage critically and creatively with social and ethical issues arising from complex situations encountered in the professional field of architecture.
9. Use up-to-date methods of presentation, facilitation, and mediation to visualize and communicate their work, and assume management responsibilities in teamwork for planning and implementation processes.

#### **Section 4 – Program start, standard period of study, and required coursework**

- (1) The program starts in the winter semester.
- (2) The standard period of study encompasses four semesters including completion of the master's thesis.
- (3) The program encompasses 120 credit points.
- (4) The teaching curriculum and examination procedures are structured and organized to enable students to complete the program within the standard period of study.

#### **Section 5 – Program structure**

- (1) Students can structure their studies individually. They are, however, obliged to comply with the provisions laid out in these Study and Examination Regulations. Students are recommended to follow the chronology of modules set down in the proposed course schedule in the Annex to these Regulations. This does not affect any possible constraints resulting from subject-specific admission requirements for modules.

- (2) Students are required to earn a total of 120 credit points (CP), of which 102 are awarded for taught modules and 18 for the master's thesis.

- (3) A total of 66 credits must be earned in compulsory modules. Students must also take compulsory elective modules totaling 24 CP from a predefined catalog. The modules offered can be found in the module list (Annex 1) and the module catalog in accordance with Section 5.

- (4) A total of 12 CP must be earned in elective modules. These modules allow students to develop both additional subject-specific and generic skills and expertise which qualify them for a profession. They can be selected from the full range of subjects offered by Technische Universität Berlin, other universities or institutions of higher education with equivalent status within the jurisdiction of the Framework Act for Higher Education and those non-German universities and institutions of higher education recognized as equivalent. It is recommended that students select interdisciplinary courses. They can also choose modules for learning foreign languages.

- (5) The skills to be taught in each module, module examination requirements, and relevant admission requirements, if any, are updated annually in the form of program-specific module catalogs in accordance with Section 33 (6) AllgStuPO and published at the beginning of the winter semester in October and at the beginning of the summer semester in April in the Official Gazette of Technische Universität Berlin.

- (6) Before commencing study in the master's program, students are to complete one or more internships lasting a minimum of 640 hours (usually completed in 16 weeks). Employment of a practical nature undertaken before and after previous university studies can also be counted towards this. Internships can also be completed during the master's studies. In this case, students can be credited with 6 CP for the elective component. Students are required to provide proof that they have completed the internship(s) before registering their master's thesis at the latest. The internship coordinator is responsible for deciding whether internships satisfy the requirements of this regulation. The internship coordinator is to be presented with the certificate(s) of employment from the internship provider(s) and an internship report. Further details are regulated by the Internship Guidelines.

### **III. Examination requirements and conduct of examinations**

#### **Section 6 - Purpose of the master's examination**

The master's examination determines whether a candidate has achieved the learning outcomes in accordance with Section 3 of these regulations.

#### **Section 7 – Master's degree**

On behalf of Faculty VI, Technische Universität Berlin will award the academic degree "Master of Science" (M.Sc.) to students who have passed the master's examination.

#### **Section 8 – Scope of the master's examination, calculation of the overall grade**

- (1) The master's examination comprises the module examinations listed in the module list (Annex 1) and the master's thesis according to Section 9.
- (2) According to the principles stipulated in Section 47 AllgStuPO, the overall grade is to be determined by combining the grades achieved for those examinations arising from modules taken from the module catalog that are marked for inclusion in the overall grade together with the grade achieved for the master's thesis.

### Section 9 – Master’s thesis

(1) The master’s thesis is usually completed in the fourth degree semester. It amounts to 18 CP and consists of a written thesis as well as the relevant documentation to be completed within 20 weeks and an oral defense. If there are significant reasons beyond the student’s control preventing them from completing the thesis within this time frame, the examination board shall grant an extension of the deadline for as long as the reasons in question apply, up to a maximum of 20 weeks. Should the respective reasons continue to apply beyond the maximum extension period, the student may withdraw from the examination.

(2) Registration for the master’s thesis requires that students present proof to the responsible office of the Central University Administration that they have completed and passed module examinations totaling at least 80 CP; have completed all Design Studio modules; and have completed an internship in accordance with Section 5 (6).

(3) The topic of the master’s thesis may be rejected once, however only within the first three weeks of being assigned by the responsible department in the Central University Administration.

(4) The procedures for applying for admission to and assessment of a final thesis are regulated in the current version of the General Study and Examination Regulations (AllgStuPO) as amended.

(5) The final grade for the master's thesis is given after the oral defense by the student and the discussion with the reviewers about the thesis. The defense takes place within eight weeks of submission of the thesis. The final grade is composed of the average of the reviewers' grades for the defense and the thesis. The defense and the thesis have equal weighting.

(6) People with experience of professional activity and training can be appointed as examiners of final theses. As a rule, this applies primarily for the appointment of second reviewers. At least one reviewer must be a member of TU Berlin.

### Section 10 – Types of examination and registration for examinations

(1) The different types of assessment and the procedure for registering for module examinations are established in the AllgStuPO as amended.

(2) For compulsory elective or elective modules studied at other faculties or institutions of higher education, the types of examination specified in the module descriptions shall apply.

### IV. Annexes

Annex 1: Module list

Annex 2: Proposed Course Schedule

#### Annex 1: Module list<sup>1</sup>

##### Compulsory Courses

Course title	Credit points	Type of examination	Graded	Weighting <sup>2</sup>
Typology Design Studio	15	Portfolio assessment	Yes	1.0
Design Studio 1	15	Portfolio assessment	Yes	1.0
Design Studio 2	15	Portfolio assessment	Yes	1.0
Scales and Methodology	6	Portfolio assessment	Yes	1.0
Type and Model	6	Portfolio assessment	Yes	1.0
Types and Translation	6	Portfolio assessment	Yes	1.0
Master’s Colloquium (Architecture - Typology)	3	No examination	No	0.0

##### Compulsory Elective Courses<sup>3</sup>

Course title	Credit points	Type of	Graded	Weighting
Architecture and Sign	3	Portfolio assessment	Yes	1.0
Architekturkommunikation	6	Portfolio assessment	Yes	1.0
Bauliche Realisierung im internationalen Kontext	9	Portfolio assessment	Yes	1.0
Bioclimatic Design I	6	Portfolio assessment	Yes	1.0
Bioclimatic Design II	6	Portfolio assessment	Yes	1.0
Digital Architectural Production - Seminar (MA)	3	Portfolio assessment	Yes	1.0

Course title	Credit points	Type of examination	Graded	Weighting
Digital Architectural Production I (MA)	6	Portfolio assessment	Yes	1.0
Digital Architectural Production II (MA)	6	Portfolio assessment	Yes	1.0
Entwurfsstrategien im Krankenhausbau und Gesundheitswesen	6	Portfolio assessment	Yes	1.0
Forschung zu Gebäudetypologien und Methoden der Gebäudeanalyse	6	Portfolio assessment	Yes	1.0
Funktionale Strukturplanung für Bauten des Gesundheitswesens	3	Portfolio assessment	Yes	1.0
Gebäudekonzepte	3	Portfolio assessment	Yes	1.0
Grundlagen der internationalen Urbanistik	9	Portfolio assessment	Yes	1.0
Kunstprojektentwurf	6	Portfolio assessment	Yes	1.0
Maßstabsübergreifende Analysemethoden für Metropolregionen	6	Portfolio assessment	Yes	1.0
Open Building 2.0 – Flexibility and Industrialization of Building Elements	6	Portfolio assessment	Yes	1.0
Planungs- und Architektursoziologie	3	Presentation	Yes	1.0
Practical Seminar, Planungs- und Bauökonomie / Immobilienwirtschaft	3	Portfolio assessment	Yes	1.0
Seminar: Grundlagen der internationalen Urbanistik	6	Portfolio assessment	Yes	1.0
Seminar: Sondergebiete der internationalen Urbanistik A	3	Portfolio assessment	Yes	1.0
Seminar: Sondergebiete der internationalen Urbanistik B	6	Portfolio assessment	Yes	1.0
Sondergebiete der Architektur und des Städtebaus	3	Portfolio assessment	Yes	1.0
Städtebauliche Vertiefung	9	Portfolio assessment	Yes	1.0
Lecture: Grundlagen der internationalen Urbanistik	3	oral	Yes	1.0
Wissenschaftliche Vertiefung	9	Portfolio assessment	Yes	1.0

### Elective Courses

Course title	Credit points	Type of examination	Graded	Weighting
These modules allow students to develop both additional subject-specific and generic skills and expertise which qualify them for a profession. They can be selected from the full range of subjects offered by Technische Universität Berlin, other universities or institutions of higher education with equivalent status within the jurisdiction of the Framework Act for Higher Education and those non-German universities and institutions of higher education recognized as equivalent.	12	Dependent on the module selected		0.0

### Annex 2: Proposed Course Schedule

Recommended stay abroad (mobility window): 3rd degree semester

Degree semester	1	2	3	4
<b>Compulsory modules totaling 84 CP (including master's thesis)</b>				
	CP	CP	CP	CP
<b>Typology Design Studio</b>	15	<b>Design Studio</b>	15	<b>Design Studio</b>
<b>Design Studio</b>	12	<b>Design Studio</b>	12	<b>Master's thesis</b>
<b>Typology studio-integrated course</b>	3	<b>Studio-integrated course</b>	3	<b>Master's thesis</b>
<b>Scales + Methodology</b>	6	<b>Types + Translation</b>	6	<b>Master's colloquium</b>
<b>Scales + Methodology seminar</b>	6	<b>Types + Translation seminar</b>	6	<b>Master's colloquium</b>
<b>Model + Type</b>				6
<b>Model + Type I seminar</b>	3	<b>Model + Type II seminar</b>	3	
<b>Compulsory elective courses totaling 24 CP</b>				
<b>Elective courses totaling 12 CP</b>				

1 The module descriptions are published annually in the Official Gazette of TU Berlin at the beginning of the winter semester in October and at the beginning of the summer semester in April. The version published therein is then valid (See Section 33 (6) AllgStuPO).

2 A "1" means that the grade will be weighted according to the number of credits (Section 47 (6) AllgStuPO); "0" means the grade is not weighted; every further figure is a multiplication factor of the number of credits.

3 A total of 15 CP from compulsory elective courses with the poorest grades are not included in the overall grade.

**Application and Admission Regulations for the international consecutive master's program in Architecture – Typology at Faculty VI - Planning Building Environment at Technische Universität Berlin**

**of 12 October 2016**

On 12 October 2016, the Faculty Board of Faculty VI - Planning Building Environment of Technische Universität Berlin adopted the following Application and Admission Regulations for the international master's program in Architecture – Typology in accordance with Section 18 (1) no. 1 of the Constitution of Technische Universität Berlin and Section 71 (1) no. 1 of the Berlin State Higher Education Act (*Berliner Hochschulgesetz* – BerlHG) in the version of 26 July 2011 (Berlin Gazette of Laws and Ordinances [GVBl.], p. 378) in conjunction with Section 10 of the Act on the Admission to Higher Education Institutions in the State of Berlin to Degree Programs with Restricted Admission (*Berliner Hochschulzulassungsgesetz* – BerlHZG) in the version of 18 June 2005 (GVBl., p. 393), last amended by Article I of the same Act introducing a quota for applicants with a suitable sport profile to the allocation procedure of study placements of 26 June 2013 (GVBl., p. 198):\*\*

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**I. General regulations**

**Section 1 – Scope of application**

These application and admission regulations – in conjunction with the Statutes of Technische Universität Berlin Governing University Selection Procedures (*Auswahlsatzung* - *AuswahlSa*), as occasionally amended – govern the application, admission and selection modalities for the international master's program in Architecture – Typology.

**Section 2 – Entry into force/expiration**

These application and admission regulations enter into force on the day after their publication in the Official Gazette of Technische Universität Berlin.

**II. Application**

**Section 3 – Admission requirements**

In addition to the general admission requirements set out in Sections 10 to 13 BerlHG, applicants must have:

1. A bachelor's or equivalent university degree in a study program in architecture
2. English language proficiency at Level C1 of the Common European Framework of Reference for Languages

**III. Admission**

**Section 4 – Application for admission**

The application for admission must be sent to the relevant office of the University Administration of Technische Universität Berlin. Applicants must include the following documents:

1. The documents specified in the application form - either originals or officially certified copies, as determined by the relevant office of the Central University Administration.
2. A certified copy of the transcript of records that shows a history of all courses and work completed at officially recognized institutions of higher education, including credits attained for each module (for non-modular curricula, another appropriate form may be used, e.g. detailing hours of work per week).
3. Samples of work completed during the undergraduate degree (generally 6 to 8 A4 pages): The samples provide evidence of exceptional design skills in combination with a high level of technical, structural, artistic and creative knowledge.
4. Evidence of completed vocational education and training work as a student assistant, stays abroad, practical professional experience, and prizes and awards according to Section 6 (3), where available.
5. Letter of motivation (approx. one A4 page): Applicants should state the particular reasons for choosing the program and Technische Universität Berlin as well as possible aims for their future development and careers and demonstrate their ability to successfully complete the degree program.

**Section 5 – Selection criteria**

Applicants are selected on the basis of the following criteria:

1. Overall grade from the preceding program (with a weighting of 55/100) and
2. Further qualifications attained outside university courses (with a weighting 5/100) and
3. Outcome of a selection interview to be conducted by the University (with a weighting of 40/100).

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\*\*\*) Confirmed by the Executive Board of TU Berlin on 5 January 2017 and by the Senate Chancellery for Science and Research on 18 May 2017.

## Section 6 – Selection procedure

(1) The number of applicants participating in the selection procedure can be limited by the applicants' qualification level. A decision is taken by the selection committee at the start of the selection procedure.

(2) In the selection procedure, up to 100 points are awarded for the criterion in Section 5 no. 1 in accordance with the following table:

Grade	Points	Grade	Points
1.0	100	2.6	66
1.1	99	2.7	62
1.2	98	2.8	58
1.3	97	2.9	54
1.4	96	3.0	50
1.5	95	3.1	40
1.6	94	3.2	30
1.7	93	3.3	20
1.8	92	3.4	10
1.9	91	3.5	9
2.0	90	3.6	8
2.1	86	3.7	7
2.2	82	3.8	6
2.3	78	3.9	5
2.4	74	4.0	4
2.5	70		

(3) The selection criterion in Section 5, no. 2 can include completed vocational education or training, work as a student assistant, stays abroad, practical professional experience, and prizes and awards. These must relate to the content and aims of the international master's program in Architecture. The selection committee allocates up to 100 points for these according to the following system:

1. 15 points for each completed vocational training course
2. 15 points for each activity as a student assistant at a higher education institution with a duration of at least six months
3. 25 points for a period of at least three months spent abroad (not related to studies)
4. 15 points for each period of practical professional experience with a duration of at least six months
5. 40 points for prizes and awards

(4) In the selection procedure, up to 100 points are awarded for the criterion indicated in Section 5, no. 3 as follows:

- Applicant is very well suited, 70 to 100 points
- Applicant is well suited, 40 to 69 points
- Applicant is adequately suited, 10 to 39 points
- Applicant is not sufficiently suited, 0 points

If the interviewers assign varying point values, these points are added together and the average is calculated and rounded to one decimal place.

Each of the selection interviews is conducted by two members of the selection committee, including at least one professor. At least two academic chairs of the Institute of Architecture must be represented.

To determine the applicant's aptitude, motivation, and reasons for pursuing the selected degree program and desired career, the selection interview shall address the following topics in particular:

1. Choice of profession, reasons for choosing this degree (expectations of the program and career)
2. Design skills along with technical, structural, artistic and creative abilities
3. Interests and activities, including professional and other activities
4. The applicant's expectations of the degree program and the course schedule, volunteering and social engagement.

The key content of the selection interview and an explanation of the points awarded are to be recorded in writing.

(5) The selection committee ranks the applicants in order of preference with reasons provided. The points allocated to each of the applicants for the selection criteria are weighted as indicated in Section 5. The figures obtained for each of the criteria are then added together.

## Section 7 – Admission decision

(1) The decision on acceptance is made by the relevant office of the Central University Administration after the selection process has been completed, based on the results achieved in the selection process and the resulting ranking list.

(2) Selected applicants receive prompt notification of acceptance along with a deadline for providing written acceptance of the place in the program and for enrollment. If the applicant does not accept the place within the deadline, it is offered to the next candidate on the list in a clearing procedure according to Section 6 (5).

(3) Applicants who are not admitted to the program receive notification, with reasons provided.