

**The officially published GERMAN text alone has binding force**

**Academic and Examination Regulations  
for the Master's Degree Program Landscape Architecture  
at the Technical University of Munich**

**dated 10 June 2016**

**Engrossed Version  
as amended by the Collective Amending Statute of 29 June 2020**

In accordance with Art. 13(1) Sentence 2 in conjunction with Art. 58(1) Sentence 1, Art. 61(2) Sentence 1 and Art. 43(5) of the Bavarian Higher Education Act [*Bayerisches Hochschulgesetz (BayHSchG)*] the Technical University of Munich issues the following Regulations:

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### **§ 34**

#### **Applicability, Academic Titles**

- <sup>1</sup>The Academic and Examination Regulations for the Master's Degree Program Landscape Architecture (FPSO) complement the General Academic and Examination Regulations for Bachelor's and Master's programs at the Technical University of Munich (APSO) dated 18 March 2011 as amended. <sup>2</sup>The APSO has precedence.
- (2) <sup>1</sup>Upon successful completion of the Master's examination, the degree "Master of Arts" ("M.A.") is awarded. <sup>2</sup>The academic title may also be used with the name of the university "(TUM)".

### **§ 35**

#### **Commencement of Studies, Standard Duration of Study, ECTS**

- (1) Admission to the Master's Degree Program Landscape Architecture at the Technical University of Munich is possible both in the winter and in the summer semester.
- (2) <sup>1</sup>The program follows the eight-semester Consecutive Bachelor's Degree Program Landscape Architecture and Landscape Planning at the Technical University of Munich. <sup>2</sup>The number of classes in required and elective subjects needed to obtain the master's degree is 60 credits (40 weekly hours per semester) spread over two semesters. <sup>3</sup>Students will have a maximum of six months to complete their master's thesis in accordance with § 46. <sup>4</sup>The number of coursework units and examinations in required and elective subjects to be completed in the Master's Degree Program Landscape Architecture according to Appendix 1 is a minimum of 90 credits. <sup>5</sup>The standard duration of study for the master's program is a total of three semesters.
- (3) <sup>1</sup>If students have completed university studies for which less than 240 credits but at least 180 credits have been awarded, they must present documentation of the missing credits from the field of Landscape Architecture as part of the relevant undergraduate degree program at the Technical University of Munich in order to pass the Master's examination.

### **§ 36**

#### **Eligibility Requirements**

- (1) <sup>1</sup>Eligibility for the Master's Degree Program Landscape Architecture is demonstrated by
1. The following degrees:
    - a) a qualified bachelor's degree obtained after a program of at least eight semesters from a domestic or foreign institution of higher education, or an equivalent degree in Landscape Architecture or the Degree Program Landscape Architecture and Landscape Planning in the area of specialization Landscape Architecture or a comparable degree program amounting to 240 credits,
    - b) a qualified bachelor's degree from a domestic or foreign institution of higher education in a comparable program amounting to at least 180 credits, if students have additionally completed an internship of at least six months in Germany or abroad in the field of Landscape Architecture, which corresponds to 30 credits, the remaining 30 credits have to be proven at the beginning of the Master's Thesis at the latest in compliance with § 35(3); otherwise, verification of such an internship, as well as the missing credits in compliance with § 35(3) has to be provided at the beginning of the Master's Thesis at the latest; instead of an internship, it is also possible to gain additional 30 credits from studies at a foreign university in the field of study Landscape Architecture,

2. sufficient German language skills as specified in § 7(4)9 of the Regulations of the Technical University of Munich on Enrollment, Re-enrollment, Leave of Absence, and Termination of Enrollment (ImmatS) dated 9 January 2014, as amended, or adequate knowledge of the English language; students whose language of instruction is not English must demonstrate proficiency through an acknowledged language test such as “Test of English as a Foreign Language“ (TOEFL) (with at least 88 points), “International English Language Testing System” (IELTS) (with at least 6.5 points) or “Cambridge Main Suite of English Examinations”; if, in the undergraduate degree program, at least 20 credits were obtained in examinations administered in English-language examination modules, or if an internship of at least six months was completed in an English-speaking country, or if the bachelor's thesis was written in English, adequate proficiency in English is deemed proven,
  3. passing of the Aptitude Assessment according to Appendix 3.
- (2) A degree is considered to be qualified within the meaning of Section 1 if there are no significant differences with regard to the competencies (learning outcomes) acquired in the corresponding scholarly oriented Bachelor's Degree Program Landscape Architecture and Landscape Planning in the field of study Landscape Architecture at the Technical University of Munich or in an equivalent degree and if these competencies correspond to the subject-specific requirements of the Master's Degree Program Landscape Architecture.
  - (3) For determining a qualified degree in accordance with § 36(2), the module catalog of the eight-semester Bachelor's Degree Program Landscape Architecture and Landscape Planning at the Technical University of Munich will be considered.
  - (4) The comparability of programs, subject-specific aptitude, as well as the equivalence of degrees acquired at foreign institutions will be decided upon by the Aptitude Assessment Commission in compliance with Art 63 of the Bavarian Higher Education Act [*BayHSchG*].
  - (5) <sup>1</sup>As an exception to § 36(1)1, students enrolled in a bachelor's program specified in § 36(1)1 may be admitted to the master's program in justified cases. <sup>2</sup>An application to the master's program by students enrolled in a bachelor's program may only be submitted if it can be verified that, in the case of a eight-semester bachelor's program, examinations amounting to at least 120 credits have been completed at the time of submission of the application. <sup>3</sup>Verification of the awarding of the bachelor's degree must be provided within one year of commencement of the master's program.

### **§ 37**

#### **Modular Structure, Module Examination, Courses, Areas of Specialization, Language of Instruction**

- (1) <sup>1</sup>General provisions concerning modules and courses are set forth in §§ 6 and 8 of the APSO. <sup>2</sup>For any changes to the stipulated module provisions § 12(8) of the APSO applies.
- (2) The curriculum listing the required and elective modules is included in Appendix 1.
- (3) <sup>1</sup>In addition to German-language modules, some modules are offered in English. <sup>2</sup>Therefore, it is also possible to study the master's degree program entirely in English. <sup>3</sup>Students who have not verified their knowledge of German in the application process will be conditionally admitted with the stipulation that they complete at least one module by the end of the second semester of enrollment in the degree program, in which they acquire integrative knowledge of German. <sup>4</sup>The offer will be announced by the Examination Board accordingly. <sup>5</sup>Optional credits completed in extracurricular courses, e.g. German courses offered by the TUM Language Center, will also be recognized. <sup>6</sup>The language of the respective required modules is indicated in Appendix 1.

### § 38 Examination Deadlines, Progress Monitoring, Failure to Meet Deadlines

- (1) <sup>1</sup>Examination deadlines, progress monitoring, and failure to meet deadlines are governed by § 10 of the APSO. <sup>2</sup>As an exception to § 10(4)1 to 4 of the APSO, the following deadlines apply to the Master's Degree Program Landscape Architecture, which has a standard period of study of 3 semesters:

In the modules defined in Appendix 1, students must obtain

1. at least 30 credits by the end of the third semester of enrollment in the degree program,
2. at least 60 credits by the end of the fourth semester of enrollment in the degree program,
3. at least 90 credits by the end of the fifth semester of enrollment in the degree program

- (2) <sup>1</sup>At least one of the module examinations from the project elective modules listed in Appendix 1 must be successfully completed by the end of the second semester. <sup>2</sup>In the event of failure to comply with this deadline § 10(5) of the APSO applies.

### § 39 Examination Board

In accordance with § 29 of the APSO, the board responsible for all decisions concerning examination matters is The Examination Board of the Master's Degree Program Landscape Architecture at the Department of Architecture.

### § 40 Recognition of Periods of Study, Coursework and Examination Results

The recognition of periods of study, coursework and examination results is governed by § 16 of the APSO.

### § 41 Continuous Assessment Procedure, Types of Assessment

- (1) In addition to written and oral examinations, types of assessment in accordance with § 12 and § 13 of the APSO may include (but are not limited to) project work, laboratory assignments, presentations, learning portfolios and research papers and the parcours examinations.

- a) <sup>1</sup>A **written examination** is a supervised examination, in which students are expected to demonstrate, within a limited amount of time and using predefined methods and resources, their ability to identify problems, find solution strategies and, if required, implement them. <sup>2</sup>The duration of written examinations is regulated in § 12(7) of the APSO.

- b) <sup>1</sup>Depending on the discipline, **laboratory assignments** may include experiments, measurements, field work, field exercises, etc., with the goal of students conducting such work, evaluating results, and gaining knowledge. <sup>2</sup>These may consist of, for example, process descriptions and the underlying theoretical principles including studying the relevant literature; preparation and practical implementation; calculations, if required, and documentation, evaluation, and interpretation of the results in the context of the knowledge to be gained. <sup>3</sup>Laboratory assignments may be

complemented by presentations designed to demonstrate a student's communication competency in presenting scholarly work to an audience. <sup>4</sup>Details of each laboratory assignment and the competencies to be assessed in each examination are set out in the module descriptions.

- c) <sup>1</sup>**Practical credit requirements (tests where applicable)** involve students completing assigned tasks (for example, solving mathematical problems, writing computer programs, preparing models, preparing designs etc.) using theoretical knowledge to solve application-oriented problems. <sup>2</sup>They are designed to assess a student's factual and detailed knowledge and its application. <sup>3</sup>Practical credit requirements may be administered in writing, orally, or electronically. <sup>4</sup>They may be in the form of homework assignments, practice sheets, programming exercises, (e-)tests, design tasks, tasks assigned within a university internship program, etc. <sup>5</sup>Details of each practical credit requirement and the related competencies to be examined are set out in the module descriptions.
- d) <sup>1</sup>A **report** is a written record and summary of a learning process for the purpose of presenting the acquired knowledge in a structured way and analyzing the results in the context of a module. <sup>2</sup>Students are expected to demonstrate that they have understood all essential aspects and are able to present them in writing. <sup>3</sup>Reports may include excursion reports, internship reports, work reports, etc. <sup>4</sup>The written report may be complemented by a presentation for the purpose of assessing the student's communication competency in presenting scholarly work to an audience.
- e) <sup>1</sup>**Project work** is designed to reach, in several phases (initiation, problem definition, role assignment, idea generation, criteria development, decision, implementation, presentation, written evaluation), the defined objective of a project assignment within a given period of time and using suitable instruments. <sup>2</sup>In addition, project work may include a presentation and a subject-specific discussion in order to assess a student's communication competency in presenting scholarly work to an audience. <sup>3</sup>Designs prepared as project work in Landscape Architecture may also include drawings, plans, models, objects, simulations, or documentation. <sup>4</sup>Details of the respective project work and the competencies to be assessed in each examination are set out in the module descriptions. <sup>5</sup>Project work may be group work. <sup>6</sup>The aim is to demonstrate that tasks can successfully be solved as part of a team. <sup>7</sup>The contribution to be assessed as part of the examination has to be clearly recognizable and assessable for each individual. <sup>8</sup>This also applies to the individual contribution to the group's result.
- f) <sup>1</sup>A **research paper** is a written assignment in which students work independently on solving complex scholarly or scholarly/application-oriented problems, using the scientific methods of the related discipline. <sup>2</sup>Students are expected to demonstrate that they are able to solve problems corresponding to the learning results of the module in question in compliance with the guidelines for scholarly work – from analysis and conception to implementation. <sup>3</sup>Research papers, differing in their requirement standards, may take the form of a conceptual framework/theory paper, abstract, term paper, seminar paper, etc. <sup>4</sup>The research paper may be complemented by a presentation and/or a colloquium for the purpose of assessing the student's communication competency in presenting scholarly work to an audience. <sup>5</sup>Details of each research paper and the related competencies to be examined are set out in the module descriptions.
- g) <sup>1</sup>A **presentation** is a systematic and structured oral performance supported by suitable audio-visual equipment (such as projector, slides, posters, videos) for the purpose of

demonstrating and summarizing specific issues or results and paring complex problems down to their essential core. <sup>2</sup>For the presentation, the student is expected to demonstrate that he or she is capable of preparing a certain topic within a given time frame in such a way as to present or report it in a clear and comprehensible manner to an audience. <sup>3</sup>In addition, the student is expected to demonstrate that he or she is able to respond competently to any questions, suggestions, or discussions brought by the audience and relating to his or her subject area. <sup>4</sup>The presentation may be complemented by a brief written precis. <sup>5</sup>The presentation can be held either as an individual or group examination. <sup>6</sup>The contribution to be assessed as part of the examination has to be clearly recognizable and assessable for each individual. <sup>7</sup>This also applies to the individual contribution to the group's result.

- h) <sup>1</sup>An **oral examination** is a timed, graded discussion on relevant topics and specific questions to be answered. <sup>2</sup>In oral examinations students are expected to demonstrate that they have achieved the qualification objectives documented in the module descriptions and have understood the central concepts of the subject matter covered by the exam and are able to apply them to specific problems. <sup>3</sup>The oral exam can be held either as an individual or group examination. <sup>4</sup>The duration of the examination is regulated in § 13(2) of the APSO.
- i) <sup>1</sup>A **learning portfolio** is a written account of completed work compiled by the student according to predefined criteria that exhibits the student's progress and achievements in defined content areas at a given time. <sup>2</sup>Students are required to explain why they chose the work they have and its relevance for their learning progress and for reaching the qualification objectives. <sup>3</sup>With the learning portfolio, students are expected to demonstrate that they have taken active responsibility for their learning process and that the qualification objectives documented in the module description have been met. <sup>4</sup>Depending on the module description, types of independent study assessment in a learning portfolio may include, in particular, application-oriented assignments, web pages, weblogs, bibliographies, analyses, conceptual framework/theory papers, as well as the graphic representation of facts or problems. <sup>5</sup>Details of the respective learning portfolio and the competencies to be assessed in each examination are set out in the module descriptions.
- j) <sup>1</sup>The **parcours examination** is made up of several components. <sup>2</sup>Unlike a module examination component, parcours exam components are administered in sequence and completed in a specific time frame and location. <sup>3</sup>Parcours components entail various types of examination, which together evaluate the competency profile of the module as a whole. <sup>4</sup>Possible types of examination in parcours components may include those listed in a) to i). <sup>5</sup>The total duration of the parcours examination with all its components is indicated in the module catalog, the type of examination and the duration of the individual parcours elements are to be specified in the module description.
- (2) <sup>1</sup>As a rule, module examinations are taken concurrently with the program. <sup>2</sup>The type and duration of module examinations is stipulated in Appendix 1 and 2. <sup>3</sup>For any changes to the stipulated module provisions § 12(8) of the APSO applies. <sup>4</sup>The assessment of the module examination is governed by § 17 of the APSO. <sup>5</sup>The grade weights of module examination components correspond to the weighting factors assigned to them in Appendix 1.
- (3) At the request of the students and with the consent of the examiners, examinations for German-language modules may be taken in English.

## **§ 42 Registration for and Admission to the Master's Examination**

- (1) Students who are enrolled in the Master's Degree Program Landscape Architecture are deemed admitted to the module examinations of the master's examination.
- (2) <sup>1</sup>Registration requirements for required and elective module examinations are stipulated in § 15(1) of the APSO. <sup>2</sup>The registration requirements for repeat examinations for failed required modules are stipulated in § 15(2) of the APSO.

## **§ 43 Scope of the Master's Examination**

- (1) The master's examination consists of:
  1. the module examinations in the corresponding modules according to § 43(2)
  2. the master's thesis according to § 46
  3. and the coursework listed in § 45.
- (2) <sup>1</sup>The module examinations are listed in Appendix 1. <sup>2</sup>Students must complete 30 credits in the project elective modules, and at least 30 credits in elective modules. <sup>3</sup>The selection of modules must comply with § 8(2) of the APSO.

## **§ 44 Repeat Examinations, Failed Examinations**

- (1) <sup>1</sup>The repetition of examinations is governed by § 24 of the APSO. <sup>2</sup>Repeat examinations will be offered in the following semester. <sup>3</sup>In the case of modules spanning at least two semesters, § 24(4) Sentence 5 of the APSO applies to the repetition of failed module examination components.
- (2) Failure of examinations is governed by § 23 of the APSO.

## **§ 45 Coursework**

<sup>1</sup>In addition to the examinations listed in § 43 (1), verification of the successful completion of coursework in the modules in accordance with Appendix 1 must be provided. <sup>2</sup>Instead of the examinations to be taken in elective modules in accordance with § 43 (2) Sentence 2, the completion of coursework may be required in elective modules as well. <sup>3</sup>In these cases, the number of credits to be earned in elective modules as specified in § 43 (2) Sentence 2 is reduced accordingly.

### **§ 45 a Multiple Choice Test**

The conduct of multiple choice tests is governed by § 12 a of the APSO.

## **§ 46 Master's Thesis**

- (1) <sup>1</sup>As part of the master's examination, each student must write a master's thesis in accordance with § 18 of the APSO. <sup>2</sup>The master's thesis topic can be determined and supervised by an expert examiner (Themensteller) of the Technical University of Munich's Department of Architecture. <sup>3</sup>Expert examiners as stipulated in Sentence 2 are appointed by the Examination Board.
- (2) <sup>1</sup>The master's thesis is to be started after successful completion of all module examinations. <sup>2</sup>Upon request students may be granted early approval to start their master's thesis if they have earned 40 credits.

- (3) <sup>1</sup>The period between topic assignment and submission of the completed master's thesis must not exceed six months. <sup>2</sup>The master's thesis is considered presented and not passed if the student fails to submit it on time without valid reasons as specified in § 10(7) of the APSO. <sup>3</sup>The master's thesis may be written in either the German or the English language.
- (4) <sup>1</sup>The completion of the master's thesis consists of a research paper and a presentation on its content. <sup>2</sup>The presentation does not affect the grading.
- (5) <sup>1</sup>If the master's thesis was not graded with at least "sufficient" (4.0), it may be repeated once with a new topic. <sup>2</sup>Students must renew their application to prepare the master's thesis module within six weeks of receipt of the grade.

#### **§ 47 Passing and Assessment of the Master's Examination**

- (1) The master's examination is deemed passed when all examinations required for the master's examination in accordance with § 43(1) have been passed and a plus credits account of at least 90 credits has been achieved.
- (2) <sup>1</sup>The module grade will be determined according to § 17 of the APSO. <sup>2</sup>The overall grade for the master's examination will be calculated as the weighted grade average of the modules according to § 43(2) and the master's thesis. <sup>3</sup>The results of the module examinations in the modules listed in Appendix 2 (for students subject to § 35(3)) will not be factored into the calculation. <sup>4</sup>The grade weights of the individual modules correspond to the credits assigned to each module. <sup>5</sup>The overall assessment is expressed by the designation according to § 17 of the APSO.

#### **§ 48 Degree Certificate, Diploma, Diploma Supplement**

- (1) If the master's examination is passed, a degree certificate, a diploma and a diploma supplement including a transcript of records are to be issued in compliance with § 25(1) and § 26 of the APSO.
- (2) The date of the certificate is to be the date on which all examinations and coursework have been successfully completed.

#### **§ 49\*) Entry into Force**

- (1) <sup>1</sup>These regulations will enter into force on 1 October 2016. <sup>2</sup>They apply to all students who commence their studies at the Technical University of Munich as of the winter semester 2016/17. <sup>3</sup>As an exception to Sentence 2, Appendix 3 applies: Starting with the application process for the summer semester 2017 there will be an aptitude assessment.
- (2) <sup>1</sup>At the same time, the Academic and Examination Regulations for the Master's Degree Program Landscape Architecture at the Technical University of Munich, dated 11 August 2009, as amended by the First Amending Statute of 24 August, cease to apply. <sup>2</sup>Students who commenced their studies at the Technical University of Munich prior to the winter semester 2016/17 are to complete their studies in accordance with the regulations named in § 49(2) Sentence 1. <sup>3</sup>By request, they may transfer to the new Academic and Examination regulations.



\*) This provision concerns the entry into force of these regulations in the original version from 10 June 2016. The date of entry into force of the amendments is specified in the Amending Statute.

## **Appendix 1: Examination Modules**

Explanation: SWS = Semesterwochenstunden/weekly hours per semester;  
V = lecture; Ü/UE = exercise; SE = seminar; PT = project; EX=excursion;  
DE = German; EN =English;

\* Module examination is made up of the module examination components as specified in § 6(6) of the APSO.

As a rule, the language of instruction is German; especially for exercises and project work, English-language supervision is available. In the column "Duration of examination", the duration of written and oral examinations is specified in minutes.

### **Required Modules**

The following modules must be completed in the allotted semesters.

Module No.	Module name	Type of instruction	Semester	SWS	ECTS	Language of instruction	Type of examination	Duration of examination
AR72054	Master's Thesis Landscape Architecture	-	3	0.45	30		Research paper	-

### **Project Elective Modules**

At least one module examination from the project elective modules must be successfully completed by the end of the second semester. A total of 30 credits must be earned from the catalog of project elective modules.

#### **Project**

Module No.	Module name	Type of instruction	Semester	SWS	Type of instruction	Language(s) of instruction	Type of examination	Duration of examination
AR30373	Project - Green Technologies MA	PT+SE	1/2	6+2	15	DE/EN	Project work	-
AR30389	Master's project - Landscape Architecture and Industrial Landscapes	PT+SE	1/2	6+2	15	DE/EN	Project work	-
AR30351	Master's project - Landscape Architecture and Public Space	PT+SE	1/2	6+2	15	DE/EN	Project work	-
AR72051	Master's project - Regional Open Spaces	PT+SE	1/2	6+2	15	DE/EN	Project work	-

Project Continuation (only in appropriate cases and in consultation with the professor responsible for the module)

Module No.	Module name	Type of instruction	Semester	SWS	ECTS	Language(s) of instruction	Type of examination	Duration of examination
AR30375	Master's project continuation - Green Technologies MA	PT+SE	2/3	6+2	15	DE/EN	Project work	-
AR30390	Master's project continuation - Landscape Architecture and Industrial Landscapes	PT+SE	1/2	6+2	15	DE/EN	Project work	-
AR30353	Master's project continuation - Landscape Architecture and Public Space	PT+SE	1/2	6+2	15	DE/EN	Project work	-
AR72052	Master's project continuation - Regional Open Spaces	PT+SE	1/2	6+2	15	DE/EN	Project work	-

### Sample Catalog of Elective Modules

As part of the Master's Degree Program Landscape Architecture, elective modules amounting to a minimum of 30 credits must be taken. Generally, all modules within the following subject-specific catalogs of elective modules may be chosen or combined freely (please also note the respective module descriptions and the prerequisites listed there). It is recommended that the majority of credits be taken from the Catalogs of Elective Modules Landscape Architecture.

The following catalogs of elective modules provide a sample of the electives offered. The Examination Board regularly updates the catalog of elective modules. A complete version of the catalogs of elective modules, updated on a semester-by-semester basis, will be available in the Dean of Studies' office and posted on the degree program's web pages.

#### a) Catalogs of Elective Modules Landscape Architecture

Module No.	Module name	Type of instruction	Semester	SWS	ECTS	Language of instruction	Type of examination	Duration of examination
AR72032	Landscape Architecture Theory and Criticism	V+SE	WiSe	2+2	6	DE/EN	Practical Credit Requirement	-
AR72037	Freehand Drawing for Landscape Architects	SE	SoSe	2	3	DE	Practical Credit Requirement	-
AR72040	Profiles of International Landscape Architecture	SE	SoSe	2	3	EN	Research paper	-
AR72041	Writing Laboratory Landscape Architecture	SE	SoSe	2	3	DE	Research paper	-
AR72030	Practical Techniques of Landscape Architecture MA	Ü	WiSe/SoSe	2	3	DE/EN	Project work	-
AR72047	Green Typologies - MA	SE	WiSe/SoSe	4	6	DE/EN	Research paper	-
AR72048	Green Technologies MA	V+SE	WiSe/SoSe	2+2	6	DE/EN	Research paper	-
AR71140	History of Landscape Architecture	V+EX	WiSe+SoSe	2+2	6	DE	Research paper	-
AR72042	Public Space in Theory and in Practice	V	SoSe	2	3	DE/EN	Research paper	-
AR72044	Research Methods in Landscape Architecture	SE	WiSe+SoSe	4	6	DE/EN	Research paper	-
AR72053	Renewable Energies and Landscape Aesthetics	V+Ü	WiSe	2+2	6	DE	Research paper	-

### Catalog of Elective Modules Architecture

Module No.	Module name	Type of instruction	Semester	SWS	ECTS	Language(s) of instruction	Type of examination	Duration of examination
AR30075	Reading Course on Architectural Theory	SE	WiSe/ SoSe	4	6	DE	Research paper	-
AR30212	Biogenic Building Materials	UE	WiSe	2	3	DE	Written Exam	60
AR30298	Critical Issues in Urban Development and Architecture	SE	SoSe	2	3	EN	Research paper	-
AR30135	Law on Monuments - Implementation	V	SoSe	2	3	DE	oral	20
AR30202	Museum of Architecture	SE	WiSe/ SoSe	4	6	DE	Research paper	-
AR30181	Architecture and Reference	SE	SoSe	4	6	DE/EN	Research paper	-

### b) Catalog of Elective Modules Urban Design and Spatial Planning

Module No.	Module name	Type of instruction	Semester	SWS	ECTS	Language of instruction	Type of examination	Duration of examination
AR30045	Strategy and Implementation of Urban Development and Planning	V+Ü	WiSe	2+2	6	DE	Research paper	-
AR30213	Public Transport as : Public Transport - Catalyst for Urban Development (Urban Generator)	SE	WiSe/ SoSe	2	3	DE/EN	Project work	-
AR30129	Munich Plan II	SE	SoSe	4	6	DE/EN	Research paper	-
AR30002	Spatial Economy	VO	WiSe	4	6	DE/EN	Written Exam	120
AR30200	Sustainable Urbanism I	VO	WiSe	2	3	DE	Research paper	-

### Catalog of Elective Modules Ecology, Land use and Engineering

Module No.	Module name	Type of instruction	Semester	SWS	ECTS	Language of instruction	Type of examination	Duration of examination
WZ6407	Urban Ecology	V+SE	WiSe	2+2	5	EN	Research paper	-
WZ2711	Dendrology	V+Ü	WiSe+SoSe	2+2	5	DE	Written Exam	60
WZ0030	Project Agricultural Systems	PT	WiSe+SoSe	10	10	DE	Project work	-
WZ4222	Ecoclimatology (the competencies are a prerequisite for WZ4044)	V+SE		3+1	5	DE	Written Exam	90
WZ4044	Causes and Impacts of Climate Change	V+Ü	WiSe	2+2	5	DE	Practical credit requirement + written exam	90 + 60
WZ1825	Soil Science	V+Ü	WiSe+SoSe	3+1	5	DE	Written Exam	120

### c) Catalog of Elective Modules Visualization and Design

Module No.	Module name	Type of instruction	Semester	SWS	ECTS	Language of instruction	Type of examination	Duration of examination
AR30366	Performance Based Design	SE	SoSe	4	6	DE/EN	Project work	-
AR30033	Fine Arts	Ü	WiSe	4	6	DE	Project work	-
AR17006	Water Colors	SE	SoSe	2	3	DE/EN	Learning portfolio	-
AR17029	Figure Drawing	Ü	WiSe/SoSe	2	3	DE	Learning portfolio	-
AR61001	Application of Colour	V+Ü	WiSe	1+2	3	DE	Learning portfolio	-
AR30157	Introduction in Lighting Engineering	V	WiSe	4	6	DE/EN	Written Exam	60

### d) Catalog of Elective Modules General Subjects

Module No.	Module name	Type of instruction	Semester	SWS	ECTS	Language of instruction	Type of examination	Duration of examination
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WI000159	Business Plan - Basic Course (Business Idea and Market)	SE	WiSe/ SoSe	2	3	DE/EN	Project work	-
WI001059	Financial Accounting and Reporting	V+Ü	WiSe	2+2	6	DE/EN	Written Exam	120

## **Appendix 2: Aptitude Assessment**

### **Aptitude Assessment for the Master's Degree Program Landscape Architecture at the Technical University of Munich**

#### **1. Purpose of the Process**

<sup>1</sup>Eligibility for the Master's Degree Program Landscape Architecture, in addition to the requirements pursuant to § 36(1) Nos. 1 and 2, requires proof of aptitude as set out in § 36(1) No. 3 in accordance with the following provisions. <sup>2</sup>The special qualifications and skills of the candidates should correspond to the field of Landscape Architecture. <sup>3</sup>Individual aptitude parameters are:

- 1.1 ability to do research work and/or basic research and methodologically sound research,
- 1.2 specialist knowledge from a bachelor's degree program in Landscape Architecture,
- 1.3 experience and good knowledge in designing open spaces unassisted.

#### **2. Aptitude Assessment Process**

2.1 Aptitude assessment will be conducted semi-annually by the Department of Landscape Architecture.

2.2 <sup>1</sup>Applications for admission to the aptitude assessment process for the winter semester must be submitted to the Technical University of Munich together with the documents listed in 2.3.1. through 2.3.5. and in § 36(1)2 no later than 31 May (absolute deadline) using the online application procedure. <sup>2</sup>The student's diploma and graduation certificate, serving as proof of the conferral of the bachelor's degree, must be submitted to the Admissions and Enrollment Office of the Technical University of Munich no later than five weeks after the first day of classes. <sup>3</sup>Admission to the master's program is, otherwise, not possible in accordance with § 36 of these regulations.

2.3 The application must include:

2.3.1 Transcript of Records with modules of at least 180 credits for a six-semester bachelor's program, at least 210 credits for a seven-semester bachelor's program, and at least 200 credits for an eight-semester bachelor's program; the Transcript of Records must be issued by the relevant examination authority or the relevant academic programs office,

2.3.2 curriculum vitae formatted as a table,

2.3.3 a written essay of one to two A4 pages giving the reasons for selecting the degree program Landscaping Architecture at the Technical University of Munich, in which applicants explain the exceptional skills that make them particularly suitable for the Master's Degree Program Landscape Architecture at the Technical University of Munich; describe the design method based on a specific approach to design and outline the methods of scientific work; the applicant's exceptional motivation for and commitment is to be demonstrated, for example by providing details on program-related vocational training, internships, stays abroad, or program-related further

education beyond the attendance and course requirements of the bachelor's program, for example participation in student competitions, workshops or summer schools. This is to be evidenced by material provided as appendices, as appropriate,

- 2.3.4 a portfolio containing at least two designs consisting of at least ten sheets in any format with relevant previous work,
- 2.3.5 a declaration that the essay and the submitted designs are the applicant's own work, and that the applicant has clearly identified any ideas taken from outside sources or designs that are the result of group work.

### **3. Aptitude Assessment Commission**

- 3.1 <sup>1</sup>The aptitude assessment is administered by a Commission that, as a rule, consists of the Dean of Studies in charge of the Master's Degree Program Landscape Architecture, at least two members of the professorial faculty and at least one research associate (*wissenschaftlicher Mitarbeiter*). <sup>2</sup>At least half of the Commission members must be members of the professorial faculty. <sup>3</sup>A student representative is to serve on the Commission in an advisory capacity.
- 3.2 <sup>1</sup>The members of the Commission are appointed by the Faculty Council (Fakultätsrat) Architecture in consultation with the Dean of Studies responsible for the Master's Degree Program Landscape Architecture. <sup>2</sup>At least one member of the professorial faculty is appointed as deputy member of the Commission. <sup>3</sup>As a rule, the Commission is chaired by the Dean of Studies. <sup>4</sup>Procedural regulations will be in accordance with Art. 41 of the *BayHSchG* as last amended.
- 3.3 <sup>1</sup>If the Commission acts in accordance with these regulations, it is permissible to delegate certain duties to individual members of the Commission on a revocable basis. <sup>2</sup>If, pursuant to Sentence 1, only one member of the Commission acts in the performance of certain duties, he or she must be a member of the professorial faculty. <sup>3</sup>If, pursuant to Sentence 1, two or more members of the Commission act in the performance of certain duties, at least half of them must be members of the professorial faculty. <sup>4</sup>The Commission is to ensure the proper allocation of duties. <sup>5</sup>If there is a scoring margin for one of the evaluation criteria of the aptitude assessment and if at least two members of the Commission are involved in the evaluation of that criterion, the members of the Commission shall make their evaluations independently according to the indicated weighting, unless otherwise specified; The points total will be calculated as the arithmetic means of the individual assessments, rounded up to the nearest full point.

### **4. Admission to the Aptitude Assessment Process**

- 4.1 Admission to the aptitude assessment process requires that all documentation specified in No. 2.3 has been submitted in a timely and complete fashion.
- 4.2 Applicants who have fulfilled the requirements will be assessed according to No. 5.
- 4.3 Applicants who are not admitted will receive a notification specifying the reasons and providing information on legal remedies.

### **5. Stages of the Aptitude Assessment Process**

#### **5.1 First Stage**

- 5.1.1 <sup>1</sup>The Commission will assess, on the basis of the written application documents required under No. 2.3, whether or not an applicant is suitable for a program pursuant to No. 1 (first stage of the aptitude assessment process). <sup>2</sup>For this purpose, the commission evaluates and grades the candidate's application documents on a scale ranging from 0 to 100 points, 0 being the worst and 100 the best possible result.

The following criteria will be applied to the evaluation:

### 1. Discipline-Specific Skills and Qualifications

<sup>1</sup>The curricular analysis is conducted on the basis of competencies, rather than a schematic comparison of modules. <sup>2</sup>The analysis is based on the fundamental subject groups listed in the following table of the Bachelor's Degree Program Landscape Architecture and Landscape Planning at the Technical University of Munich.

Academic Subject Area	Credits TUM
Projects Landscape Architecture 1-4	41

<sup>3</sup>If it is established that there are no significant differences in the competencies acquired (learning outcomes), a maximum of 30 points will be awarded. <sup>4</sup>For any competencies missing from the student's undergraduate curriculum, points equivalent to the amount of module credits for the respective competencies in the TUM Bachelor's Degree Program Landscape Architecture and Landscape Planning will be deducted from the overall score.

### 2. Final Grade

<sup>1</sup>The applicant will be awarded 1.5 points for each tenth that the average calculated from examinations in the amount of 180 credits is better than 2.5. <sup>2</sup>The maximum number of points is 30. <sup>3</sup>Negative points will not be awarded. <sup>4</sup>Grades of international degrees will be converted by applying the Bavarian formula.

<sup>5</sup>If the candidate has submitted a degree certificate containing more than 180 credits with the application, the assessment will be made on the basis of the modules with the best grades amounting to 180 credits. <sup>6</sup>The applicant needs to submit a list of the results together with the application and confirm its accuracy in writing.

<sup>7</sup>The average is calculated from graded module examinations amounting to 180 credits. <sup>8</sup>The overall grade average is calculated as a weighted grade average. <sup>9</sup>The grade weights of the individual modules correspond to the credits assigned to each module. <sup>10</sup>In the process of determining grades, only the first digit after the decimal point is taken into account. All other digits are dropped without rounding.

### 3. Letter of Motivation

<sup>1</sup>The applicant's written statement will be evaluated by two members of the Commission and graded on a scale of 0 – 10 points. <sup>2</sup>The content of the written statement will be assessed using the following criteria:

- a) convincing demonstration of particular suitability and motivation for the master's degree program supported by arguments and meaningful examples (see 2.3.3.),
- b) ability to describe the method of design, i.e. the conceptual and creative solutions to spatial tasks, on the basis of a specific design approach,
- c) ability to apply methods of scholarly work by presenting own thoughts and cited sources in a structured and comprehensible manner.

<sup>3</sup>The Commission members independently assess each criteria with equal weighting. <sup>4</sup>The points total will be calculated as the arithmetic mean of the individual assessments, rounded up to the nearest full point.



#### 4. Designs

<sup>1</sup>The applicant's independently prepared designs to be submitted will be evaluated by two Commission members on a scale of 0 to 30 points. <sup>2</sup>If more than two designs are submitted, the Commission members will first select the two best designs for evaluation. <sup>3</sup>The designs will be evaluated according to the following criteria:

- a) Idea (innovation, clarity, suitability of a design concept and problem solution)
- b) Execution (taking into account structural-technical, legal, ecological, economic and social requirements)
- c) Design (creative ability and articulation with regard to spatial realization)

<sup>4</sup>The Committee members independently assess each criteria with equal weighting. <sup>5</sup>The points total will be calculated as the arithmetic mean of the individual assessments, rounded up to the nearest full point.

- 5.1.2 <sup>1</sup>The points total of the first stage will be calculated as the sum of the individual evaluations. <sup>2</sup>Decimal places must be rounded up.
- 5.1.3 Applicants who have achieved 80 points will receive confirmation that they have passed the aptitude assessment.
- 5.1.4 <sup>1</sup>Unsuitable applicants with a total score of less than 60 points will receive a letter of rejection stating the reasons and the right of appeal, which must be signed by the President of the university. <sup>2</sup> Signatory power may be delegated.

#### 5.2 First Stage

5.2.1 <sup>1</sup>The remaining applicants will be invited to an aptitude assessment interview. <sup>2</sup>During the second stage of the aptitude assessment, both the skills acquired during the applicant's bachelor's studies and the result of the assessment interview will be assessed. <sup>3</sup>Interview appointments will be announced at least one week in advance. <sup>4</sup>Time slots for interviews must be scheduled before expiration of the application deadline. <sup>5</sup>The interview appointment must be kept by the applicant. <sup>6</sup>If the applicant is unable to attend an aptitude assessment interview due to reasons beyond his/her control, a later appointment may be scheduled upon a student's well-grounded request, but no later than two weeks before the beginning of classes.

5.2.2 <sup>1</sup>The aptitude assessment interview is to be held individually for each applicant. <sup>2</sup>The interview lasts at least 20 but not more than 30 minutes for each applicant. <sup>3</sup>The interview will focus on the following topics:

1. Exceptional motivation for the Master's Degree Program Landscape Architecture according to the criteria for assessing the written statement of purpose mentioned in No. 2.3.3,
2. ability to do research work and/or basic research and methodologically sound research,
3. specialist knowledge from a bachelor's degree program in Landscape Architecture,
4. experience and good knowledge in designing open spaces unassisted,
5. personal aptitude substantiated by the ability to present statements convincingly through arguments and meaningful examples and to respond appropriately to questions posed (based on the course of the interview).

<sup>4</sup>The above topics may cover the documentation submitted according to 2.3. <sup>5</sup>Any subject-specific academic knowledge that is to be taught in the Master's Degree Program Landscape Architecture will not affect the decision. <sup>6</sup>With the applicant's approval, a representative of the student body may sit in on the interview.

5.2.3 <sup>1</sup>The aptitude assessment interview will be conducted by two members of the Commission. <sup>2</sup>Commission members independently assess each of the five areas with

equal weighting. <sup>3</sup>Each member of the Committee will grade the result of the interview on a scale from 0 to 100, 0 being the worst and 100 being the best possible result. <sup>4</sup>The points total will be calculated as the arithmetic mean of the individual evaluations. <sup>5</sup>Non-vanishing decimal places must be rounded up.

5.2.4 <sup>1</sup>The total number of points awarded in stage 2 is the sum of the points from 5.2.3 and the points from 5.1.1.1 (subject-specific qualification) and 5.1.1.2 (grade). <sup>2</sup>Applicants with 120 or more points will be deemed suitable.

5.2.5 <sup>1</sup>The applicant will be notified of the result of the aptitude assessment determined by the Commission in writing <sup>2</sup>The official notification is to be signed by the President of the Technical University of Munich. <sup>3</sup> Signatory power may be delegated. <sup>4</sup>Letters of rejection must include the reasons for rejection and the right of appeal.

5.2.6 Admissions to the Master's Degree Program Landscape Architecture apply to all subsequent applications for this program.

## **6. Documentation**

<sup>1</sup>The aptitude assessment process must be documented, including the date, duration and location of the assessment, the names of the participating Commission members, the applicant's name and the Commission members' assessment, as well as the overall result. <sup>2</sup>This record must contain the essential reasons for the decision and the topics discussed at the interview held with the applicants; these reasons and topics may be recorded in note form.

## **7. Repeat Aptitude Assessments**

Applicants who have failed aptitude assessment for the Master's Degree Program Landscape Architecture may register for one repetition of aptitude assessment.