

***Prüfungs- und Studienordnung* (Examination and Study Regulations)
for the Master's Degree Course Architectural Lighting Design at
Hochschule Wismar
University of Applied Sciences: Technology, Business and Design**

Of 17th January 2014

last amended by the Amending Statutes of the *Prüfungs- und Studienordnungen* at Hochschule Wismar:
University of Applied Sciences: Technology, Business and Design (hereinafter UAS Wismar) of 10th July 2020

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I. General Provisions

§ 1

Scope of Application

(§ 1 Rahmenprüfungsordnung (hereinafter Framework Examination Regulations))

(1) These Examination and Study Regulations apply to the master's degree course Architectural Lighting Design at UAS Wismar. UAS Wismar's Framework Examination Regulations shall be applied directly for all matters not covered by these Examination and Study Regulations.

(2) The master's examination determines whether the candidate has gained a sufficient overview of the interrelationships of his/her subject area, has the ability to apply academic methods and knowledge and has gained the sufficient fundamental subject knowledge for the transfer to the professional world.

II. General Information

§ 2

Standard Length of Study

(§ 2 Framework Examination Regulations)

The standard period of study is four semesters. This covers the subject semesters for theory and the examinations, including the master's dissertation.

§ 3

Degree

(§ 3 Framework Examination Regulations)

After passing the master's examination, UAS Wismar will award the university degree 'Master of Arts' (M.A.).

§ 4

Admission Requirements

(§ 4 Framework Examination Regulations)

Admission to the master's degree course Architectural Lighting Design is granted according to a selection procedure. The details are regulated by the *Zulassungsordnung* (Admission Regulations) for the master's degree course Architectural Lighting Design.

III. Examinations

§ 5

Examination Board

(§ 5 Framework Examination Regulations)

(1) The Examination Board is formed by a resolution made by the Faculty Council. It consists of five members, three of which are professors, one member of academic staff and one student.

(2) The Examination Board has a quorum if, in addition to the chairperson of the Examination Board or his/her deputy and one further professor, at least one further member with voting rights is present. Decisions are passed by means of simple majority. If there is a tie of votes, the chairperson's vote, or, in his/her absence, the vote of the deputy chairperson, will be decisive.

The student members of the Examination Board shall be excluded from the vote in matters concerning examination decisions, in particular with regard to passes or fails and the recognition of study periods, study achievements and credits. The student members of the Examination Board shall not take part in the consultations and decision making with regard to matters concerning the determination of examination tasks or relating to his/her own examinations.

(3) The Examination Board delegates the execution of its tasks to its chairperson for all normal cases until being revoked, apart from decisions about discrepancies.

§ 6 Types of Marked Coursework (§ 6 Framework Examination Regulations)

(1) The following types of assessment components can be demanded of the student:

1. Oral examination,
2. Written examination as written examination under examination conditions and other written assignments,
3. Coursework essay,
4. Presentation,
5. Participation in simulations/Producing case studies
6. Project work
7. Alternative marked coursework can entail:
 - Presentations,
 - Computer programmes,
 - Role plays,
 - Leading discussions,
 - Colloquiums,
 - Other written assignments,
 - Experimental work,
 - Modelling or drawing of designs (design projects, sketch designs, presentations),
 - Coursework essay,
 - Project work.

(2) A presentation must be held as part of the course's teaching/learning. It comprises the independent systematic exploration of a topic or topic area of the respective course, using the corresponding literature. The short presentation of 15 to 30 minutes should introduce and elaborate discussions about the corresponding topic.

(3) Project work usually serves to prove the students' ability to work in teams and, in particular, to develop, implement and present concepts. The candidates should prove that they can define goals for more complex tasks and develop solutions and concepts. If project work is being repeated it must be assessed by two examiners. The writing-up period for project work usually covers a period of a maximum of six months. If project work has been submitted as team work, the individual contribution of the candidate must be clearly recognisable.

(4) Experimental work comprises the theoretical preparation, the setting up and the implementation of an experiment and the written depiction of the individual stages, the test procedure and the results of the experiment.

(5) A design project is an independent piece of work that is usually a visually portrayed solution to a design task. It helps to develop the students' design and practical skills they are learning at the University. A design project usually spans a period of time that has been defined previously.

It can be presented as a group or independent piece of work. If the design project was submitted as group work, the contribution for each candidate that is to be marked as individual coursework must be identifiable and assessable.

(6) The sketch design is non-supervised work on a small task (design), that must be completed within a week at most and the result of which must be presented in a colloquium or reflected upon critically at one or more classes.

(7) Alternative assessment components can also take place as assessments during term time, outside of the examination period stipulated by the University.

§ 7 (deleted)

§ 8 **Taking Module Examinations** (§ 12 Framework Examination Regulations)

(1) The Faculty must only provide instruction in a compulsory elective module if at least five students have chosen to take the course.

(2) Only candidates who have registered correctly for the respective module examination before the end of the registration deadline have a right to the assessment of their examination. Registration should be made by submitting the corresponding form to the Examination Office. The Examination Board will set a deadline for registrations for the examination. There must be at least four weeks between the end of the registration deadline and the respective examination date.

(3) Registration for module examinations can be withdrawn up to one day before the respective examination date by submitting a written or electronic declaration to the Examination Office without having to provide any specific details.

§ 9 **Evaluation of the Individual Pieces of Marked Coursework,** **Calculation of Module Marks** (§ 16 Framework Examination Regulations)

Marks for individual examinations are determined by the respective examiners. The following marks are to be used for evaluating the marked coursework:

1,0; 1,3	= very good	= excellent work;
1,7; 2,0; 2,3	= good	= work that is well above the average requirements;
2,7; 3,0; 3,3	= satisfactory	= work that corresponds to the average requirements;
3,7; 4,0	= sufficient	= work that fulfils the requirements despite its deficiencies;
5,0	= not sufficient	= work that does not fulfil the requirements due to serious deficiencies.

§ 10
Resitting Examinations
(§ 19 Framework Examination Regulations)

- (1) Module examinations that are not passed at the first attempt count as not taken, if they have been taken during the standard period of study and on the regular examination dates, this is known as a *Freiversuch* (free attempt).
- (2) A failed master's dissertation can be repeated once, with a new topic. The allocation of a topic must be requested from the Examination Board within six weeks after the result of the first master's dissertation has been announced.

IV. Master's Dissertation and Colloquium

§ 11
Master's Dissertation and Colloquium
(§§ 20 and 21 Framework Examination Regulations)

- (1) Only candidates who have gained at least 90 credits will be granted admission to the master's dissertation.
- (2) The writing-up period for the master's dissertation spans twelve weeks. In individual cases, the Examination Board can grant an extension of a maximum of two weeks as an exception, if a request containing valid reasons has been submitted that has been approved by supervisor. The request must be addressed to the chairperson of the Examination Board and submitted in writing to the Examination Office.
- (3) Approval must be gained from the chairperson of the Examination Board if the master's dissertation is to be completed at an institution outside of UAS Wismar.
- (4) The candidate may make suggestions for the supervisors and the topic of the dissertation. However, this does not grant a right of legal claim for the suggestion to be met.
- (5) The topic of the master's dissertation can only be returned once and within the first two weeks of the writing-up period. The chairperson of the Examination Board shall make sure that the candidate receives the new topic within six weeks.
- (6) The master's dissertation can also be submitted as group work, if the contribution of the individual candidate that is to be evaluated as marked coursework can be differentiated and evaluated due to the indication of sections, page numbers or other objective criteria that allow for a clear distinction.
- (7) Three copies of the master's dissertation written in English must be submitted to UAS Wismar's Examination Office within the deadline. If models, drawings or other artistic work must be produced for the master's dissertation, the original and two photos of each object must be submitted.
- (8) The marking procedure shall not take longer than four weeks.
- (9) The mark for the colloquium will be weighted with 25 % of the overall mark for the master's dissertation.

§ 12
Calculation of the Overall Mark
(§§ 22 Framework Examination Regulations)

(1) The overall mark is calculated in accordance with § 9(2) using the module marks and the mark for the master's dissertation (including colloquium). The marks for the modules are weighted with 75 % and the mark for the master's dissertation with colloquium with 25 % of the overall mark.

(2) The overall assessment 'passed with distinction' can be issued for excellent achievements. This will be decided upon by the Examination Board on recommendation from the first examiner of the master's dissertation.

V. Studienordnung

(hereinafter Study Regulations)

§ 13
Purpose of the Study Regulations

The Study Regulations provide students with information and advice for an appropriate organisation of their studies. At the same time, it is the foundation for the subject-specific advice of the students during their studies and for the Faculty's planning of the courses on offer.

§ 14
Study Goals

During the master's degree, UAS Wismar teaches students the details of the subject being studied, the ability to apply academic methods and knowledge, and the required skills for the transmission to professional practice. Therefore, training is aimed at enabling students to carry out independent academic work and teaching the methodology of the subject, as well as theoretical and analytical skills. The degree also aims to teach key qualifications, develop intellectual and social competencies, and foster personal development. At the end of their studies, students should have an overview of the subject's scope and be in a position to independently analyse complex problems in their context, to develop evaluations and solutions based on academic principles and to put them into practice in a social environment.

§ 15
Start of Studies

The degree course usually starts once a year in winter semester.

§ 16
Degree Structure

(1) The degree course is split into modules. Modules are self-contained units of teaching, which are successfully completed by passing a module examination. Successful participation in a module examination is a requirement for the allocation of Credits in accordance with the European Credit Transfer System (ECTS).

(2) Modules can be combined to create joint courses. This will be decided upon by the Examination Board. It is only possible to take both of the combined modules.

(3) One of the semesters can be studied at a university abroad which has signed a partnership agreement with UAS Wismar. The recognition of modules that are to be completed abroad must be agreed with the Examination Board prior to starting the period of study abroad.

§ 17 Contents of the Degree

The range of courses for the master's degree course Architectural Lighting Design consists of the compulsory and compulsory elective modules listed in the course schedule (Appendix 2) and described in more detail in the module handbook.

§ 18 Types of Teaching and Learning

(1) Types of course can be:

1. Lectures: Syllabus taught in the form of lectures,
2. Seminar tuition: Syllabus taught in the form of lectures and seminars,
3. Seminar: Treatment of specific areas using discussions, in some cases with presentations held by the participants,
4. Practical: Applying and consolidating the course contents by way of theoretical and practical application,
5. Internship: Practical training at a company
6. Excursion,
7. Laboratory practical.

(2) The Course Schedule (Appendix 2) stipulates which kinds of course the individual modules are made up of.

(3) Courses can also be provided as block courses.

(4) The courses are held in English.

§ 19 Excursions

Excursions can be used as a form of tuition in the modules.

§ 20 Study Advice

(1) All students can receive general study advice from the Student and Academic Affairs Division at UAS Wismar.

(2) As part of general study advice, the University also provides information about the postgraduate study opportunities provided by UAS Wismar.

(3) Advice for matters regarding study organisation, including specific examination matters is provided by the Faculty of Architecture and Design. Students should contact subject advisors, in particular, at the beginning of studies, if examinations have been failed and if they wish to change degree course.

VI. Final Provisions

§ 21 (Interim Regulations)

§ 22 (Entry into Force)

Appendix 1 Examination Schedule

Module		1 st Semester		2 nd Semester		3 rd Semester		4 th Semester		Σ CR
		Examination	CR	Examination	CR	Examination	CR	Examination	CR	
CM 01	Lighting Design/Daylight	AE NB 1	6							6
CM 02	Lighting Science	AE NB 1	6							6
CM 03	Design Project I	DP 16	9							9
CM 04	Lighting Design and Technology I			AE NB 1	6					6
CM 05	Lighting Design and Sustainability I			DP 3	6					6
CM 06	Design Project II			DP 16	9					9
CM 07	Lighting Design and Technology II					AE NB 1	6			6
CM 08	Lighting Design and Sustainability II					AE NB 1	6			6
CM 09	Practice Project					AE NB 1	6			6
CM 10	Lighting Design and Economics			AE NB 1	6					6
CM 11	Foreign Language	AE NB 1	6							6
CM 12	Excursion			Participation	3					3
CEM 01	five compulsory elective modules from the list	AE NB 1	3							3
CEM 02				AE NB 1	3					3
CEM 03						AE NB 1	3			3
CEM 04						AE NB 1	3			3
CEM 05						AE NB 1	3			3
CM 13	Dissertation Seminar to Be Selected that Corresponds with the Dissertation							AE NB 1	6	6
	Master's Dissertation and colloquium							DP 12 OE 20	21 3	24
Σ CR			30		33		27		30	12

Explanations:

DP Design Project
AE Alternative type of examination
OE oral examination

NB 1 The examiner for the module selects one of the kinds of examination and announces it in the first week after the start of the lecture period.

The time units after OE correspond to the number of minutes.
The time units after DP correspond to the number of weeks.

PE partial examination **CR** credit points (ECTS)
CM compulsory module **CEM** compulsory elective modul

List of Compulsory Elective Modules

Module	Title	Examin	CR
CEM I	Light and Material	AE	3
CEM II	Light and Urban Space	AE	3
CEM III	Light and Society	AE	3
CEM IV	Light and Man	AE	3
CEM V	General Sciences	AE	3

Five compulsory elective modules must be selected from CEM I to CEM V. They must be completed successfully, giving the students a total of 15 Credit Points.

1. A compulsory elective module can be selected up to three times with different topics.
2. Up to three topics can be selected from other degree courses on offer at UAS Wismar. The Examination Board will decide which compulsory elective modules they will be assigned to.

Appendix 2 Course Schedule

Module		1 st Semester		2 nd Semester		3 rd Semester		4 th Semester		Σ SWS	Σ CR
		SWS ToC	CR	SWS ToC	CR	SWS ToC	CR	SWS ToC	CR		
CM 01	Lighting Design/ Daylight	4 ST	6							4	6
CM 02	Lighting Science	4 ST	6							4	6
CM 03	Design Project I	6 PW	9							6	9
CM 04	Lighting Design and Technology I			4 ST	6					4	6
CM 05	Lighting Design and Sustainability I			4 ST	6					4	6
CM 06	Design Project II			6 PW	9					6	9
CM 07	Lighting Design and Technology II					1 PW	6			1	6
CM 08	Lighting Design and Sustainability II					1 PW	6			1	6
CM 09	Practice Project					1 PW	6			1	6
CM 10	Lighting Design and Economics			4 ST	6					4	6
CM 11	Foreign Language	4 ST	6							4	6
CM 12	Excursion			2 ST	3					2	3
CEM 01	Five compulsory elective modules from the list	2 ST	3							2	3
CEM 02				2 ST	3					2	3
CEM 03						2 ST	3			2	3
CEM 04						2 ST	3			2	3
CEM 05						2 ST	3			2	3
CM 13	Dissertation Seminar to Be Selected that Corresponds with the Dissertation							2 ST	6	2	6
	Master's Dissertation and Colloquium								24	-	24
Σ SWS		20		22		9		2		53	
Σ CR			30		33		27		30		120

Explanations:

SWS	contact hours/week
ToC	type of course
ST	seminar tuition
PW	project work
L	lecture
CM	compulsory module
CEM	compulsory elective module
CR	credit points (ECTS)

List of Compulsory Elective Modules

Module	Title	SWS	CR
CEM I	Light and Material	2	3
CEM II	Light and Urban Space	2	3
CEM III	Light and Society	2	3
CEM IV	Light and Man	2	3
CEM V	General Sciences	2	3

Five compulsory elective modules must be freely selected from the compulsory elective modules CEM I to CEM V. They must be completed successfully, giving the students a total of 15 Credit Points.

Up to three compulsory elective modules can be selected from other master's degree courses on offer at UAS Wismar. On written request from the student, the Examination Board will decide which of the compulsory elective modules (CEM I to CEM V) they will be assigned to before the student takes the compulsory elective module.

Appendix 3

Diploma Supplement

This Diploma Supplement model was developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates, etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

1. HOLDER OF QUALIFICATION

1.1 Family Name:

«Nachname»

1.2 First Name:

«Vorname»

1.3 Date, Place, Country of Birth:

«GebDatum», «GebOrt»

1.4 Student ID Number or Code:

not of public interest

2. QUALIFICATION

2.1 Name of Qualification (full, abbreviated; in original language):

Master of Arts (M.A.)

Title Conferred (full, abbreviated; in original language):

-

2.2 Main Field(s) of Study:

Architectural Lighting Design

2.3 Institution Awarding the Qualification (in original language):

Hochschule Wismar, University of Applied Sciences: Technology, Business and Design **Status**

(Type / Control)

University of Applied Sciences

2.4 Institution Administering Studies:

[same]

2.5 Language of Instruction/Examination:

English

3. LEVEL OF THE QUALIFICATION**3.1 Level:**

Second degree (2 years), with thesis

3.2 Official Length of Programme:

2 years fulltime

3.3 Access Requirements:

B.A. degree or an engineering „Diploma“ (the German „Diplom-Ingenieur (FH)“ or „Diplom-Ingenieur“ either in Architecture or in a related area of study, from a national or international institution of higher education with a grade point average (GPA) of 2.5 or higher (on the German grading scale of 1 through 5 as described in the section „Examinations and Grading“)

4. CONTENTS AND RESULTS GAINED**4.1 Mode of Study:**

Fulltime, 2 years

4.2 Program Requirements:

The degree programme is divided into examination areas. The Masters Programme curriculum consists of the examination areas 1 – 12 and 4 elective modules. In the Masters programme, comprehensive examinations are executed at the completion of each examination area. These examinations test students on the subjects covered in the respective course modules. A comprehensive examination consists of a set of examinations on the course content of the individual modules; this can also be taken in the form of a team or group examination. Students have to collect 120 credit points (CP) in total, 25 credit points can be awarded for the master thesis. To participate each candidate has to pass an entrance examination.

4.3 Program Details:

See Final Examination Certificate (Masterzeugnis) for a list of the subjects offered for final examinations (written and oral) and for the thesis topics, including evaluations

4.4 Grading Scheme:

General grading scheme df. Sec. 8.6

4.5 Overall Classification (in original language):

«GesNoteT»

Based on weighted average of grades in examination fields.

ECTS – Grading Table

The reference quantity constitutes “xx” completed courses in the period from “dd/mm/yyyy” until “dd/mm/yyyy”. The grading table is created after the completion of each semester; this means the graduates of the current semester are not included.

Grade	As a percentage %	Number	Grade range
1,0 to 1,5	x	x	very good
1,6 to 2,5	x	x	good
2,6 to 3,5	x	x	satisfactory
3,6 to 4,0	x	x	sufficient

The individual values are shortened to two decimal places. The sum of percentages may therefore differ slightly from 100%.

5. FUNCTION OF THE QUALIFICATION**5.1 Access to Further Study:**

Qualifies the bearer of M.A. degree for admission to doctoral work (thesis research)

5.2 Professional Status:

The M.A. degree is equivalent to the academic degree of „Diplom-Ingenieur“ from a German university.

6. ADDITIONAL INFORMATION**6.1 Additional Information:**

-

6.2 Further Information Sources:

On the institution: www.hs-wismar.de

On the programme: www.ar.hs-wismar.de For national information sources cf. Sect. 8.8

7. CERTIFICATION OF THE SUPPLEMENT

This Diploma Supplement refers to the following original documents: Awarded Masters Degree Certificate (Masterurkunde)
Master Degree Certification (Masterzeugnis)

Certification Date: «PruefDatum»

Chairman
Examination Committee

(Official Stamp/Seal)

8. NATIONAL HIGHER EDUCATION SYSTEM: Germany

The information on the national higher education system on the following pages provides a context for the qualification and the type of higher education institution that awarded it (DSDoc 01/03.00).

8. INFORMATION ON THE GERMAN HIGHER EDUCATION SYSTEM¹

8.1. Types of Institutions and Institutional Control

Higher education (HE) studies in Germany are offered at three types of *Hochschulen*²

- *Universitäten* (Universities), including various specialized institutions, comprise the whole range of academic disciplines. In the German tradition, universities are also institutional foci of, in particular, basic research, so that advanced stages of study have strong theoretical orientations and research-oriented components.
- *Fachhochschulen* (Universities of Applied Sciences): Programs concentrate in engineering and other technical disciplines, business-related studies, social work, and design areas. The common mission of applied research and development implies a distinct application-oriented focus and professional character of studies, which include one or two semesters of integrated and supervised work assignments in industry, enterprises or other relevant institutions.
- *Kunst- and Musikhochschulen* (Colleges of Art/Music, etc.) offer graduate studies for artistic careers in fine arts, performing arts and music; in such fields as directing, production, writing in theatre, film, and other media; and in a variety of design areas, architecture, media and communication.

¹ The information covers only aspects directly relevant to purposes of the Diploma Supplement. All information as of 1 Jan 2000.

² Hochschule is the generic term for higher education institutions.

HE institutions are either state or state-recognized institutions. In their operations, including the organization of studies and the designation and award of degrees, they are both subject to HE legislation.

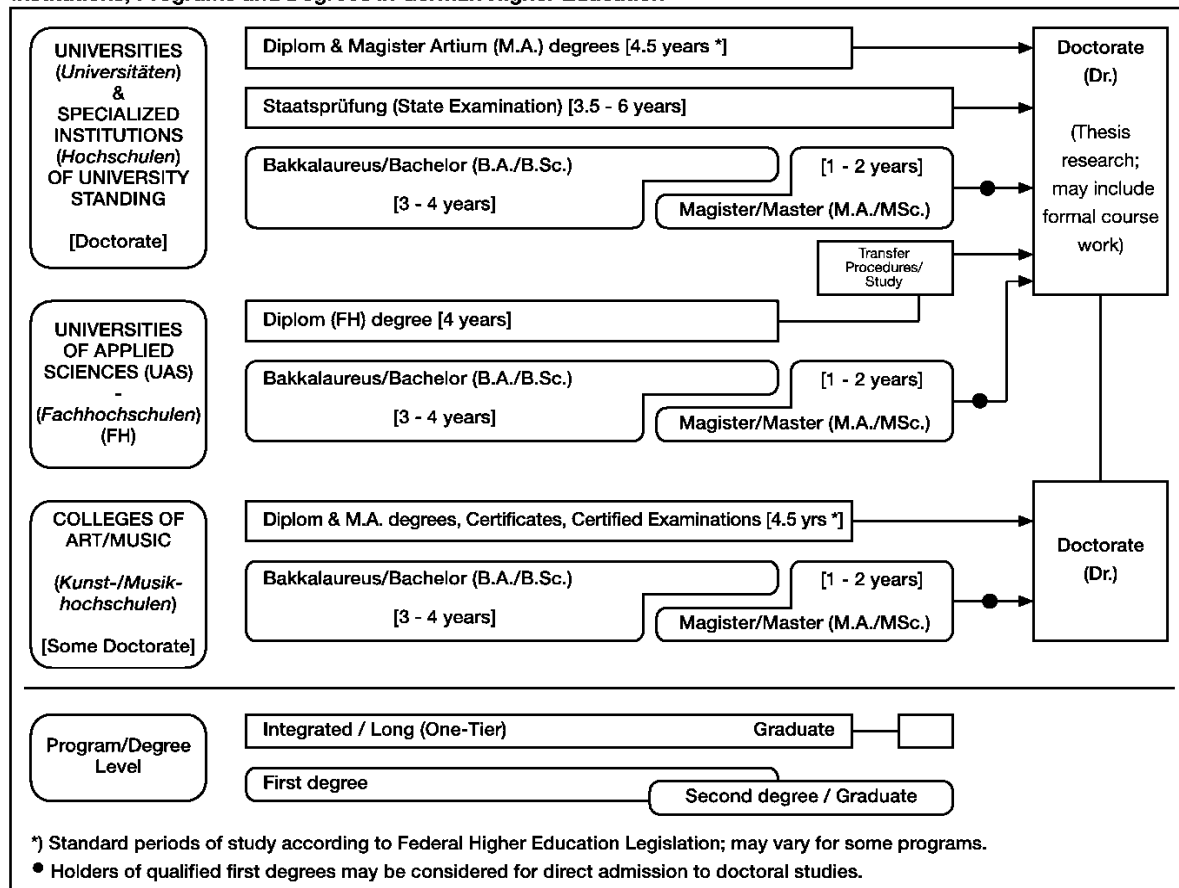
8.2 Types of programs and degrees awarded

- Studies in all three types of institutions are traditionally offered in integrated "long" (one-tier) programs leading to *Diplom- or Magister Artium* degrees or completion by a *Staatsprüfung* (State Examination).
- In 1998, a new scheme of first- and second-level degree programs (*Bakkalaureus/Bachelor* and *Magister/Master*) was introduced to be offered parallel to or *in lieu* of established integrated "long" programs. While these programs are designed to provide enlarged variety and flexibility to students in planning and pursuing educational objectives, they enhance also international compatibility of studies.
- For details cf. Sec. 8.41 and Sec. 8.42, respectively. Table 1 provides a synoptic summary.

8.3 Approval/Accreditation of Programs and Degrees

To ensure quality and comparability of qualifications, the organization of studies and general degree requirements have to conform to principles and regulations jointly established by the Standing Conference of Ministers of

Institutions, Programs and Degrees in German Higher Education



Education and Cultural Affairs of the *Länder* in the Federal Republic of Germany (KMK) and the Association of German Universities and other Higher Education Institutions (HRK). In 1999, a system of accreditation for programs of study has become operational under the control of an Accreditation Council at national level. Programs and qualifications accredited under this scheme are designated accordingly in the Diploma Supplement.

8.4 Organization of Studies

8.41 Integrated "Long" Programs (One-Tier):

Diplom degrees, Magister Artium, Staatsprüfung

Studies are either mono-disciplinary (single subject, *Diplom* degrees, most programs completed by a *Staatsprüfung*) or comprise a combination of either two major or one major and two minor fields (*Magister Artium*). As common characteristics, in the absence of intermediate (first-level) degrees, studies are divided into two stages. The first stage (1.5 to 2 years) focuses - without any components of general education - on broad orientations and foundations of the field(s) of study including propaedeutical subjects. An Intermediate Examination (*Diplom-Vorprüfung* for *Diplom* degrees; *Zwischenprüfung* or credit requirements for the M.A.) is prerequisite to enter the second stage of advanced studies and specializations. Degree requirements always include submission of a thesis (up to 6 months duration) and comprehensive final written and oral examinations. Similar regulations apply to studies leading to a *Staatsprüfung*.

- Studies at *Universities* last usually 4.5 years (*Diplom* degree, *Magister Artium*) or 3.5 to 6 years (*Staatsprüfung*). The *Diplom* degree is awarded in engineering disciplines, the exact/natural and economic sciences. In the humanities, the corresponding degree is usually the *Magister Artium* (M.A.). In the social sciences, the practice varies as a matter of institutional traditions. Studies preparing for the legal, medical, pharmaceutical and teaching professions are completed by a *Staatsprüfung*. The three qualifications are academically equivalent. As the final (and only) degrees offered in these programs at graduate-level, they qualify to apply for admission to doctoral studies, cf. Sec. 8.5.
- Studies at *Fachhochschulen* (FH) /Universities of Applied Sciences (UAS) last 4 years and lead to a *Diplom* (FH) degree. While the FH/UAS are non-doctorate granting institutions, qualified graduates may pursue doctoral work at doctorate-granting institutions, cf. Sec. 8.5.
- Studies at *Kunst- and Musikhochschulen* (Colleges of Art/Music, etc.) are more flexible in their organization, depending on the field and individual objectives. In addition to *Diplom*/Magister degrees, awards include Certificates and Certified Examinations for specialized areas and professional purposes.

8.42 First/Second Degree Programs (Two-tier):

Bakkalaureus/Bachelor, Magister/Master degrees

These programs apply to all three types of institutions. Their organization makes use of credit point systems and modular components. First degree programs (3 to 4 years) lead to *Bakkalaureus*/Bachelor degrees (B.A., B.Sc.). Graduate second degree programs (1 to 2 years) lead to *Magister*/Master degrees (M.A., M.Sc.). Both may be awarded in dedicated form to indicate particular

specializations or applied/professional orientations (B./M. of ... ; B.A., B.Sc. or M.A., M.Sc. in ...). All degrees include a thesis requirement.

8.5 Doctorate

Universities, most specialized institutions and some Colleges of Art/Music are doctorate-granting institutions. Formal prerequisite for admission to doctoral work is a qualified *Diplom* or *Magister*/Master degree, a *Staatsprüfung*, or a foreign equivalent. Admission further requires the acceptance of the Dissertation research project by a supervisor. Holders of a qualified *Diplom* (FH) degree or other first degrees may be admitted for doctoral studies with specified additional requirements.

8.6 Grading Scheme

The grading scheme usually comprises five levels (with numerical equivalents; intermediate grades may be given): "*Sehr Gut*" (1) = Very Good; "*Gut*" (2) = Good; "*Befriedigend*" (3) = Satisfactory; "*Ausreichend*" (4) = Sufficient; "*Nicht ausreichend*" (5) = Non-Sufficient/Fail. The minimum passing grade is "*Ausreichend*" (4). Verbal designations of grades may vary in some cases and for doctoral degrees. Some institutions may also use the ECTS grading scheme.

8.7 Access to Higher Education

The General Higher Education Entrance Qualification (*Allgemeine Hochschulreife, Abitur*) after 12 to 13 years of schooling gives access to all higher education studies. Specialized variants (*Fachgebundene Hochschulreife*) allow for admission to particular disciplines. Access to *Fachhochschulen* (UAS) is also possible after 12 years (*Fachhochschulreife*). Admission to Colleges of Art/Music may be based on other or require additional evidence demonstrating individual aptitude.

8.8 National Sources of Information

- *Kultusministerkonferenz* (KMK) [Standing Conference of Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany] - Lennéstrasse 6, D-53113 Bonn; Fax: +49/[0]228/501-229; with
 - Central Office for Foreign Education (ZaB) as German NARIC and ENIC; www.kmk.org; E-Mail: zab@kmk.org
 - "Documentation and Educational Information Service" as German EURYDICE-Unit, providing the national dossier on the education system (EURYBASE, annual update, www.eurydice.org; E-Mail eurydice@kmk.org).
- *Hochschulrektorenkonferenz* (HRK) [Association of German Universities and other Higher Education Institutions]. Its "Higher Education Compass" (www.higher-education-compass.hrk.de) features comprehensive information on institutions, programs of study, etc. Ahrstrasse 39, D-53175 Bonn; Fax: +49/[0]228 / 887-210; E-Mail: sekr@hrk.de