

Urkunde

BACHELORURKUNDE

Die HAWK

Hochschule für angewandte Wissenschaft und Kunst
Hildesheim/Holzminden/Göttingen
Fakultät Management, Soziale Arbeit, Bauen

verleiht mit dieser Urkunde

Herrn

Silas Hoffmann

geboren am

04.04.2001 in Osnabrück

den Hochschulgrad

Bachelor of Science

abgekürzt B.Sc.,

nachdem er die Abschlussprüfung im Studiengang

Immobilienwirtschaft und -management

bestanden hat.

Holzminden, den

26.07.2023



Prof. Dr. Matthias Wepler
Dekan

Dr. Mareen Benning-Linnert
Studiendekanin

BACHELORZEUGNIS

Herr

Silas Hoffmann

geboren am

04.04.2001 in Osnabrück

hat die Abschlussprüfung im Studiengang

Immobilienwirtschaft und -management

der Fakultät Management, Soziale Arbeit, Bauen

bestanden.

Thema der Bachelorarbeit:

Die Relevanz von ESG für Privatinvestoren - Bestandsaufnahme und Ausblick.

Abschlussprüfung

Credits

Gesamtnote

180

1,6 (gut)

Die Gesamtnote ergibt sich aus den Modulnoten (gemäß Anlage zum Bachelorzeugnis), die im Verhältnis der auf sie entfallenden Credits gewichtet werden.

Holzminden, den

26.07.2023



Dr. Mareen Benning-Linnert
Studiendekanin

ANLAGE ZUM BACHELORZEUGNIS

Herr **Silas Hoffmann**
 geboren am 04.04.2001 in Osnabrück

Module	Credits	Note
Pflichtmodule		
Wirtschaftsmathematik und Statistik	6	1,7
Digitalisierung und Informationsmanagement	6	1,0
Grundlagen des Immobilienrechts	6	3,3
Grundlagen des nachhaltigen Entwerfens	6	2,0
Volks- und Immobilienwirtschaftslehre	6	2,7
Immobilien- und Grundstücksrecht	6	1,0
Grundlagen der Baukonstruktion	6	1,3
Betriebswirtschaftslehre	6	1,7
Immobilienfinanzierung	6	1,3
Immobilien-Research	6	1,7
Immobilienpezifisches Vertragsrecht	6	1,3
Projektmanagement	3	1,3
Real Estate Accounting	6	1,3
Immobilien-Investitionsrechnung	6	1,3
Immobilien-Projektentwicklung	6	2,3
Facility Management	6	1,3
Wohnungswirtschaft und -bestandsmanagement	6	1,0
Immobilien-Assetmanagement und -controlling	6	1,0
Immobilienbewertung	6	1,3
Unternehmensführung und Personalmanagement	6	2,3
Immobilien-Marketing und -Vertrieb	6	1,3
Immobilien-Portfolio- und -Risikomanagement	6	2,3
Praxismodul	18	
Projekte		
Immobilienwirtschaftliches Projekt I	6	1,0
Immobilienwirtschaftliches Projekt II	6	2,3
Individuelles Profilstudium		
IPS Projektmanagement: Grundlagen mit Praxisbezug	3	1,7
IPS Vermögensanlagen	3	1,7
Wahlpflichtmodule		
Grundlagen Unternehmensführung	3	1,7
Bachelorthesis mit Kolloquium	12	1,3

Holzminden, den 26.07.2023

Die „Anlage zum Zeugnis“ ist ohne Unterschrift als Ergänzung zum Zeugnis gültig.

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 the Qualification

- | | | |
|-----|---------------------------|-----------------------|
| 1.1 | Family Name | Hoffmann |
| 1.2 | First Name | Silas |
| 1.3 | Date of Birth | April 04, 2001 |
| 1.4 | Student ID Number or Code | 780825 |

2. Qualification

- | | | |
|-----|--|---|
| 2.1 | Name of Qualification and (if applicable) title conferred (in original language) | Bachelor of Science/B.Sc. Immobilienwirtschaft und -management
Bachelor of Science/B.Sc. Real Estate Economics and Management |
| 2.2 | Main Field(s) of Study for the qualification | Real Estate Economics and Management |
| 2.3 | Name and status of awarding institution (in original language) | HAWK Hochschule für angewandte Wissenschaft und Kunst
Hildesheim/Holzminden/Göttingen
Fakultät Management, Soziale Arbeit, Bauen
University of Applied Sciences and Arts / State Institution |
| 2.4 | Name and status of institution administering studies (in original language) | [as above]
Status (Type / Control)
[as above] |
| 2.5 | Language(s) of instruction/examination | German |
| 3. | Level and Duration of the Qualification | |
| 3.1 | Level of the Qualification | Bachelor programme, undergraduate, first degree, by research with thesis |
| 3.2 | Official duration of programme in credits and/or years | Three years, 6 semesters, 180 ECTS |
| 3.3 | Access Requirement(s) | General Higher Education Entrance Qualification or Entrance Qualification to Universities of Applied Sciences, or foreign equivalent. |

4. Information on the Programme completed and the Results obtained

4.1 Mode of Study

Full Time Study

In the event of part-time study (individual application required), the official length of the programme will be extended accordingly.

4.2 Programme learning outcomes

Major purpose of the undergraduate programme „Real Estate Economics and Management“ is the training and education of future specialists in real estate economics and management. The course is structured in the way that students will receive a general knowledge in real estate including aspects of technique and law. Students have to learn characteristics and instruments of all phases of real estate life cycle. With this knowledge graduates of this programme are prepared to gain professional careers in the field of Real Estate.

The study programme prepares the student to

- know the economic, technical and legal framework of Real Estate Economy,
- learn entrepreneurial thinking and acting relating to Real Estate Economy,
- have profound knowledge of Real Estate lifecycle,
- receive IT-knowledge in Real Estate,
- be able to apply theoretical knowledge to practise,
- be working on case studies you will gain practical solutions by joined-up thinking and application-oriented methods,
- be working in small groups you will receive major qualifications like motivation, self-discipline, capacity for teamwork and assertiveness,
- Fieldtrips will get the students in close contact with representatives of leading companies of Construction and Real Estate Economy and
- permanent cooperation with associated companies will allow the students to get a high amount of practical experience.

4.3 Programme details, individual credits gained and grades/marks obtained

Please refer to the Certificate (Bachelorzeugnis) for a list of courses and grades.

4.4 Grading system and , if available, grade distribution table

Absolute grading scheme: „Sehr Gut“ (1,0; 1,3) = Very Good; „Gut“ (1,7; 2,0; 2,3) = Good; „Befriedigend“ (2,7; 3,0; 3,3) = Satisfactory; „Ausreichend“ (3,7; 4,0) = Pass; „Nicht ausreichend“ (5,0) = Fail

Statistical distribution of grades: **grading table**

Grade	Number	%	Σ%
1,0			0,0
1,1			0,0
1,2			0,0
1,3	2	2,666	2,7
1,4	2	2,666	5,3
1,5	5	6,666	12,0
1,6	2	2,666	14,7
1,7	6	8	22,7
1,8	3	4	26,7
1,9	7	9,333	36,0
2,0	5	6,666	42,7
2,1	8	10,66	53,3
2,2	5	6,666	60,0
2,3	7	9,333	69,3

2,4	6	8	77,3
2,5	6	8	85,3
2,6	2	2,666	88,0
2,7	3	4	92,0
2,8	3	4	96,0
2,9	2	2,666	98,7
3,0	1	1,333	100,0
3,1			100,0
3,2			100,0
3,3			100,0
3,4			100,0
3,5			100,0
3,6			100,0
3,7			100,0
3,8			100,0
3,9			100,0
4,0			100,0
	Σ 75		

- 4.5 Overall Classification of the qualification (in original language) **gut**
 The final grade is based on the grades awarded during the study programme and that of the final thesis (with oral component). Please refer to the Certificate (Bachelorzeugnis). When there are no marks given, not enough results are available yet to determine ECTS-grades.
- 5. Function of the Qualification**
- 5.1 Access to Further Study
 Qualifies to apply for admission for master programmes – Prerequisite: In compliance with the requirements of the respective universities or universities of applied sciences and arts.
- 5.2 Access to a regulated profession (if applicable)
 The Bachelor-degree in Real Estate Economics and Management entitles its holder to the legally protected professional title “Bachelor of Science” and to exercise professional work in the field(s) for which the degree was awarded.
- 6. Additional Information**
- 6.1 Additional Information
- 6.2 Further Information Sources
www.hawk.de
- 7. Certification**
 This Diploma Supplement refers to the following original documents:
- | | |
|---|----------------------|
| Bachelorurkunde (Degree Certificate) dated from | July 26, 2023 |
| Bachelorzeugnis (Certificate) dated from | July 26, 2023 |
| Transcript of Records dated from | July 26, 2023 |



July 26, 2023

Dean of Study

8. Information on the German Higher Education Systemⁱ

8.1 Types of Institutions and Institutional Status

Higher education (HE) studies in Germany are offered at three types of Higher Education Institutions (HEI).ⁱⁱ

- *Universitäten* (Universities) including various specialized institutions, offer the whole range of academic disciplines. In the German tradition, universities focus in particular on basic research so that advanced stages of study have mainly theoretical orientation and research-oriented components.

- *Fachhochschulen* (Universities of Applied Sciences) concentrate their study programmes in engineering and other technical disciplines, business-related studies, social work, and design areas. The common mission of applied research and development implies an application-oriented focus of studies, which includes integrated and supervised work assignments in industry, enterprises or other relevant institutions.

- *Kunst- und Musikhochschulen* (Universities of Art/Music) offer 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.

Higher Education 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 higher education legislation.

8.2 Types of Programmes and Degrees Awarded

Studies in all three types of institutions have traditionally been offered in integrated "long" (one-tier) programmes leading to Diplom- or Magister Artium degrees or completed by a Staatsprüfung (State Examination).

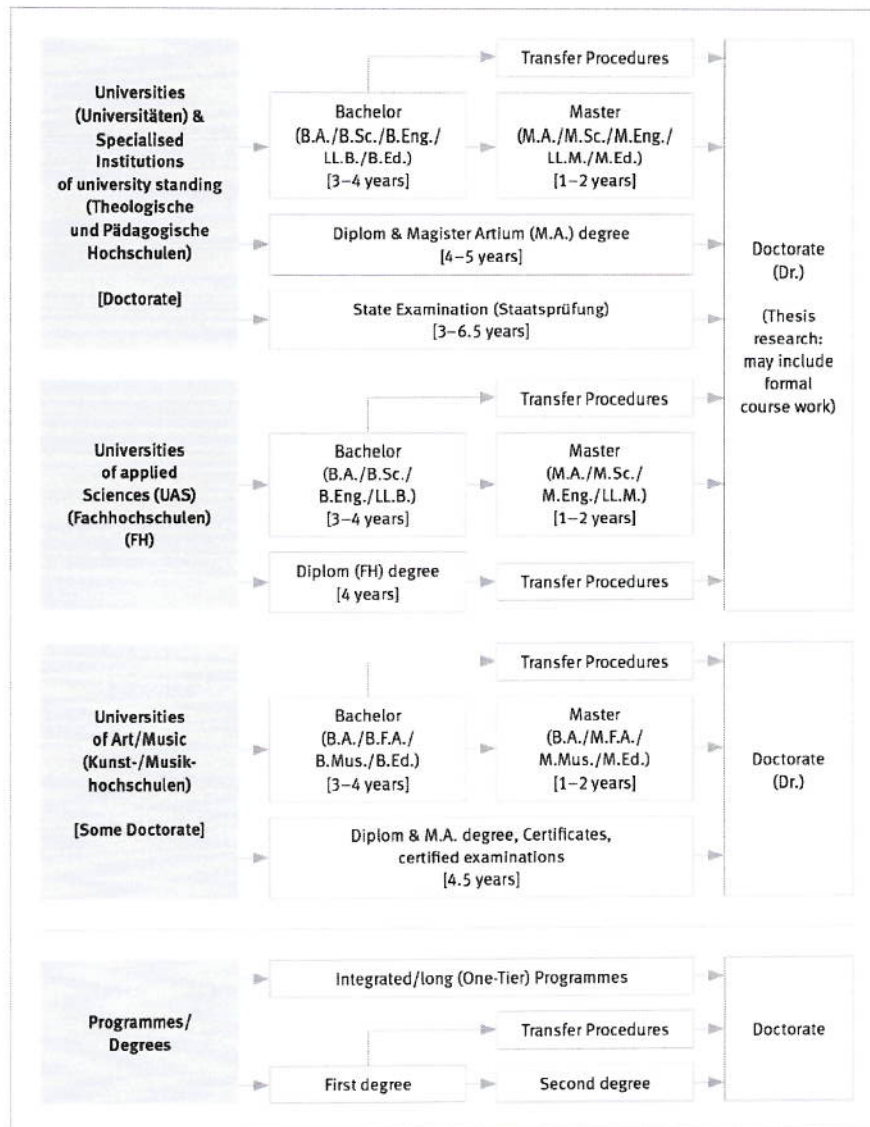
Within the framework of the Bologna-Process one-tier study programmes are successively being replaced by a two-tier study system. Since 1998, two-tier degrees (Bachelor and Master) have been introduced in almost all study programmes. This change is designed to provide enlarged variety and flexibility to students in planning and pursuing educational objectives, they also enhance international compatibility of studies.

The German Qualifications Framework for Higher Education Degreesⁱⁱⁱ, the German Qualifications Framework for Lifelong Learning^{iv} and the European Qualifications Framework for Lifelong Learning^v describe the degrees of the German Higher Education System. They contain the classification of the qualification levels as well as the resulting qualifications and competencies of the graduates.

For details cf. Sec. 8.4.1, 8.4.2, and 8.4.3 respectively. Table 1 provides a synoptic summary.

8.3 Approval/Accreditation of Programmes and Degrees

To ensure quality and comparability of qualifications, the organization of studies and general degree requirements have to conform to principles and regulations established by the Standing Conference of the Ministers of Education and Cultural Affairs of the *Länder* in the Federal Republic of Germany (KMK).^{vi} In 1999, a system of accreditation for programmes of study has become operational under the control of an Accreditation Council at national level. All new programmes have to be accredited under this scheme; after a successful accreditation they receive the quality-label of the Accreditation Council.^{vii}



8.4 Organization and Structure of Studies

The following structures apply to all three types of institutions. Bachelor's and Master's study courses may be studied consecutively, at various higher education institutions, at different types of higher education institutions and with phases of professional work between the first and the second qualification. The organization of the study programmes makes use of modular components and of the European Credit Transfer and Accumulation System (ECTS) with 30 credits corresponding to one semester.

8.4.1 Bachelor

Bachelor degree study programmes lay the academic foundations, provide methodological skills and lead to qualifications related to the professional field. The Bachelor degree is awarded after 3 to 4 years. The Bachelor degree programme includes a thesis requirement. Study courses leading to the Bachelor degree must be accredited according to the Law establishing a Foundation for the Accreditation of Study Programmes in Germany.^{viii}

First degree programmes (Bachelor) lead to Bachelor of Arts (B.A.), Bachelor of Science (B.Sc.), Bachelor of Engineering (B.Eng.), Bachelor of Laws (LL.B.), Bachelor of Fine Arts (B.F.A.), Bachelor of Music (B.Mus.) or Bachelor of Education (B.Ed.).

The Bachelor degree corresponds to level 6 of the German Qualifications Framework/ European Qualifications Framework.

8.4.2 Master

Master is the second degree after another 1 to 2 years. Master study programmes may be differentiated by the profile types "practice-oriented" and "research-oriented". Higher Education Institutions define the profile. The Master degree study programme includes a thesis requirement. Study programmes leading to the Master degree must be accredited according to the Law establishing a Foundation for the Accreditation of Study Programmes in Germany.^{ix} Second degree programmes (Master) lead to Master of Arts (M.A.), Master of Science (M.Sc.), Master of Engineering (M.Eng.), Master of Laws (LL.M.), Master of Fine Arts (M.F.A.), Master of Music (M.Mus.) or Master of Education (M.Ed.). Master study programmes which are designed for continuing education may carry other designations (e.g. MBA).

The Master degree corresponds to level 7 of the German Qualifications Framework/ European Qualifications Framework.

8.4.3 Integrated "Long" Programmes (One-Tier): Diplom degrees, Magister Artium, Staatsprüfung

An integrated study programme is either mono-disciplinary (*Diplom* degrees, most programmes completed by a *Staatsprüfung*) or comprises a combination of either two major or one major and two minor fields (*Magister Artium*). The first stage (1.5 to 2 years) focuses on broad orientations and foundations of the field(s) of study. An Intermediate Examination (*Diplom-Vorprüfung* for *Diplom* degrees; *Zwischenprüfung* or credit requirements for the *Magister Artium*) is prerequisite to enter the second stage of advanced studies and specializations. Degree requirements 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*. The level of qualification is equivalent to the Master level.

- Integrated studies at *Universitäten (U)* last 4 to 5 years (*Diplom* degree, *Magister Artium*) or 3 to 6.5 years (*Staatsprüfung*). The *Diplom* degree is awarded in engineering disciplines, the natural sciences as well as economics and business. 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 and pharmaceutical professions are completed by a *Staatsprüfung*. This applies also to studies preparing for teaching professions of some *Länder*.

The three qualifications (*Diplom*, *Magister Artium* and *Staatsprüfung*) are academically equivalent and correspond to level 7 of the German Qualifications Framework/ European Qualifications Framework.

They qualify to apply for admission to doctoral studies. Further prerequisites for admission may be defined by the Higher Education Institution, cf. Sec. 8.5.

- Integrated studies at *Fachhochschulen (FH)*/Universities of Applied Sciences (UAS) last

4 years and lead to a *Diplom (FH)* degree which corresponds to level 6 of the German Qualifications Framework/ European Qualifications Framework.

While the *FH/UAS* are non-doctorate granting institutions, qualified graduates may apply for admission to doctoral studies at doctorate-granting institutions, cf. Sec. 8.5.

- Studies at *Kunst- and Musikhochschulen* (Universities of Art/Music etc.) are more diverse in their organization, depending on the field and individual objectives. In addition to *Diplom/Magister* degrees, the integrated study programme awards include Certificates and certified examinations for specialized areas and professional purposes.

8.5 Doctorate

Universities as well as specialized institutions of university standing and some Universities of Art/Music are doctorate-granting institutions. Formal prerequisite for admission to doctoral work is a qualified Master (UAS and U), a *Magister* degree, a *Diplom*, a *Staatsprüfung*, or a foreign equivalent. Comparable degrees from universities of art and music can in exceptional cases (study programmes such as music theory, musicology, pedagogy of arts and music, media studies) also formally qualify for doctoral work. Particularly qualified holders of a Bachelor or a *Diplom (FH)* degree may also be admitted to doctoral studies without acquisition of a further degree by means of a procedure to determine their aptitude. The universities respectively the doctorate-granting institutions regulate entry to a doctorate as well as the structure of the procedure to determine aptitude. Admission further requires the acceptance of the Dissertation research project by a professor as a supervisor.

The doctoral degree corresponds to level 8 of the German Qualifications Framework/ European Qualifications Framework.

8.6 Grading Scheme

The grading scheme in Germany 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.

In addition, grade distribution tables as described in the ECTS Users' Guide are used to indicate the relative distribution of grades within a reference group.

8.7 Access to Higher Education

The General Higher Education Entrance Qualification (*Allgemeine Hochschulreife, Abitur*) after 12 to 13 years of schooling allows for admission to all higher educational studies. Specialized variants (*Fachgebundene Hochschulreife*) allow for admission at Fachhochschulen (UAS), universities and equivalent higher education institutions, but only in particular disciplines. Access to study programmes at *Fachhochschulen* (UAS) is also possible with a *Fachhochschulreife*, which can usually be acquired after 12 years of schooling. Admission to study programmes at Universities of Art/Music and comparable study programmes at other higher education institutions as well as admission to a study programme in sports may be based on other or additional evidence demonstrating individual aptitude.

Applicants with a vocational qualification but without a school-based higher education entrance qualification are entitled to a general higher education entrance qualification and thus to access to all study programmes, provided they have obtained advanced further training certificates in particular state-regulated vocational fields (e.g. *Meister/Meisterin im Handwerk, Industriemeister/in, Fachwirt/in (IHK und HWK), staatlich geprüfte/r Betriebswirt/in, staatliche geprüfte/r Gestalter/in, staatlich geprüfte/r Erzieher/in*). Vocationally qualified applicants can obtain a *Fachgebundene Hochschulreife* after completing a state-regulated vocational education of at least two

years' duration plus professional practice of normally at least three years' duration, after having successfully passed an aptitude test at a higher education institution or other state institution; the aptitude test may be replaced by successfully completed trial studies of at least one year's duration.^x

Higher Education Institutions may in certain cases apply additional admission procedures.

8.8 National Sources of Information

- *Kultusministerkonferenz (KMK)* [Standing Conference of the Ministers of Education and Cultural Affairs of the *Länder* in the Federal Republic of Germany];
Graurheindorfer Str. 157, D-53117 Bonn;
Fax: +49[0]228/501-777; Phone: +49[0]228/501-0
- Central Office for Foreign Education (ZaB) as German NARIC; www.kmk.org; E-Mail: zab@kmk.org
- German information office of the *Länder* in the EURYDICE Network, providing the national dossier on the education system; www.kmk.org; E-Mail: eurydice@kmk.org
- *Hochschulrektorenkonferenz (HRK)* [German Rectors' Conference]; Ahnstrasse 39, D-53175 Bonn; Fax: +49[0]228/887-110; Phone: +49[0]228/887-0; www.hrk.de; E-Mail: post@hrk.de
- "Higher Education Compass" of the German Rectors' Conference features comprehensive information on institutions, programmes of study, etc. (www.higher-education-compass.de)

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- i The information covers only aspects directly relevant to purposes of the Diploma Supplement.
 - ii *Berufsakademien* are not considered as Higher Education Institutions, they only exist in some of the *Länder*. They offer educational programmes in close cooperation with private companies. Students receive a formal degree and carry out an apprenticeship at the company. Some *Berufsakademien* offer Bachelor courses which are recognized as an academic degree if they are accredited by a German accreditation agency.
 - iii German Qualifications Framework for Higher Education Degrees. (Resolution of the Standing Conference of the Ministers of Education and Cultural Affairs of the *Länder* in the Federal Republic of Germany of 16 February 2017).
 - iv German Qualifications Framework for Lifelong Learning (DQR). Joint resolution of the Standing Conference of the Ministers of Education and Cultural Affairs of the *Länder* in the Federal Republic of Germany, the German Federal Ministry of Education and Research, the German Conference of Economics Ministers and the German Federal Ministry of Economics and Technology (Resolution of the Standing Conference of the Ministers of Education and Cultural Affairs of the *Länder* in the Federal Republic of Germany of 15 November 2012). More information at www.dqr.de
 - v Recommendation of the European Parliament and the European Council on the establishment of a European Qualifications Framework for Lifelong Learning of 23 April 2008 (2008/C 111/01 – European Qualifications Framework for Lifelong Learning – EQF).
 - vi Common structural guidelines of the *Länder* for the accreditation of Bachelor's and Master's study courses (Resolution of the Standing Conference of the Ministers of Education and Cultural Affairs of the *Länder* in the Federal Republic of Germany of 10.10.2003, as amended on 04.02.2010).
 - vii "Law establishing a Foundation 'Foundation for the Accreditation of Study Programmes in Germany'", entered into force as from 26 February 2005, GV. NRW. 2005, No. 5, p. 45 in connection with the Declaration of the *Länder* to the Foundation "Foundation: Foundation for the Accreditation of Study Programmes in Germany" (Resolution of the Standing Conference of the Ministers of Education and Cultural Affairs of the *Länder* in the Federal Republic of Germany of 16 December 2004).
 - viii See note No. 7.
 - ix See note No. 7.
 - x Access to higher education for applicants with a vocational qualification, but without a school-based higher education entrance qualification (Resolution of the Standing Conference of the Ministers of Education and Cultural Affairs of the *Länder* in the Federal Republic of Germany of 6 March 2009).