



HOCHSCHULE
NEUBRANDENBURG

Fachbereich Landschaftswissenschaften
und Geomatik

SEMESTER BROCHURE

Course Landscape Studies and Greenspace Management

Master LGM

Winter Semester 2023/24

Last revised: 14/09/2023

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Welcome... in the Winter Semester 2023/24

Dear LGM students

Welcome to the winter semester 2023/24. In this semester path A and B students join up for three compulsory joint modules together and possibly also one or two of your electives as well. Altogether you are expected to study five modules this semester. These will be your last taught academic subjects in Neubrandenburg before you move on to either your internship or your master-thesis, so make the most of the opportunities that they offer.

You can look forward to:

LGM.19.005 Greenspace Management, where students learn about the most important measures for the maintenance of sustainable and high-quality green areas. In the process, designs should be considered with regard to maintenance as well as economic efficiency. Cost accounting and valuation provide the basis for the calculation of long-term green space management.

LGM.20.007 Landscape and Structures, which aims to consider the impact of landscapes on buildings, and inversely, the impact of buildings on their landscapes. The information gained through this dialectic can be applied to current design applications. Students will also learn how to write a professional academic paper and make professional drawings.

LGM.20.0 Design Studio 1 Application of scientific methods to work on a concrete, complex planning project from the field of landscape architecture in Germany or another country through the development of a research question. Development of solutions through extensive independent literature research, as well as the selection and use of suitable software for working on the planning tasks in the group or, if applicable, individually.

In addition, you can select two elective modules from the list that is published at the LAR/LGM Student Service / WiSe 2023/24 site located in the Learn Management System.

Probably you have already met Mr. Reaz Saleheen or seen him around the university. He graduated from this course some years back and is currently an assistant here researching BIM that we want to introduce into the curriculum over the coming semesters.

You will also see a new face this semester too. Associate professor Qi (pronounced Tschee) Wu is a visiting scholar from Fuzhou University in China. He is here for the winter semester to study European cultural heritage. He may join us in certain classes.

Mr. Saleheen and Mr Wu will share room 239 / H2 and are more than happy to get to know you or help you, so don't hesitate to contact them.

We may also be welcoming a new member of staff into the team. As you know the landscaping professorship is currently vacant and we have been working to find a suitable replacement. It is quite possible that the position will be taken up this semester.

We wish you success with your academic endeavours this semester. This will undoubtedly take up most of your time, but don't forget that you are studying in a unique landscape and you should also find the time to go exploring, especially as autumn and winter can be just as beautiful in their own unique way as spring and summer.

Philip Caston
Contact to the degree programme
caston@hs-nb.de

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The semester folder aims to provide you with information on the schedule, organization and personnel structure in the winter semester 2023/24 in a compact form.

Some content is expected to remain unchanged throughout the semester and can therefore be explicitly mapped here.

Others change more or less according to plan over the semester and require constant updating. This content contains links to online platforms.

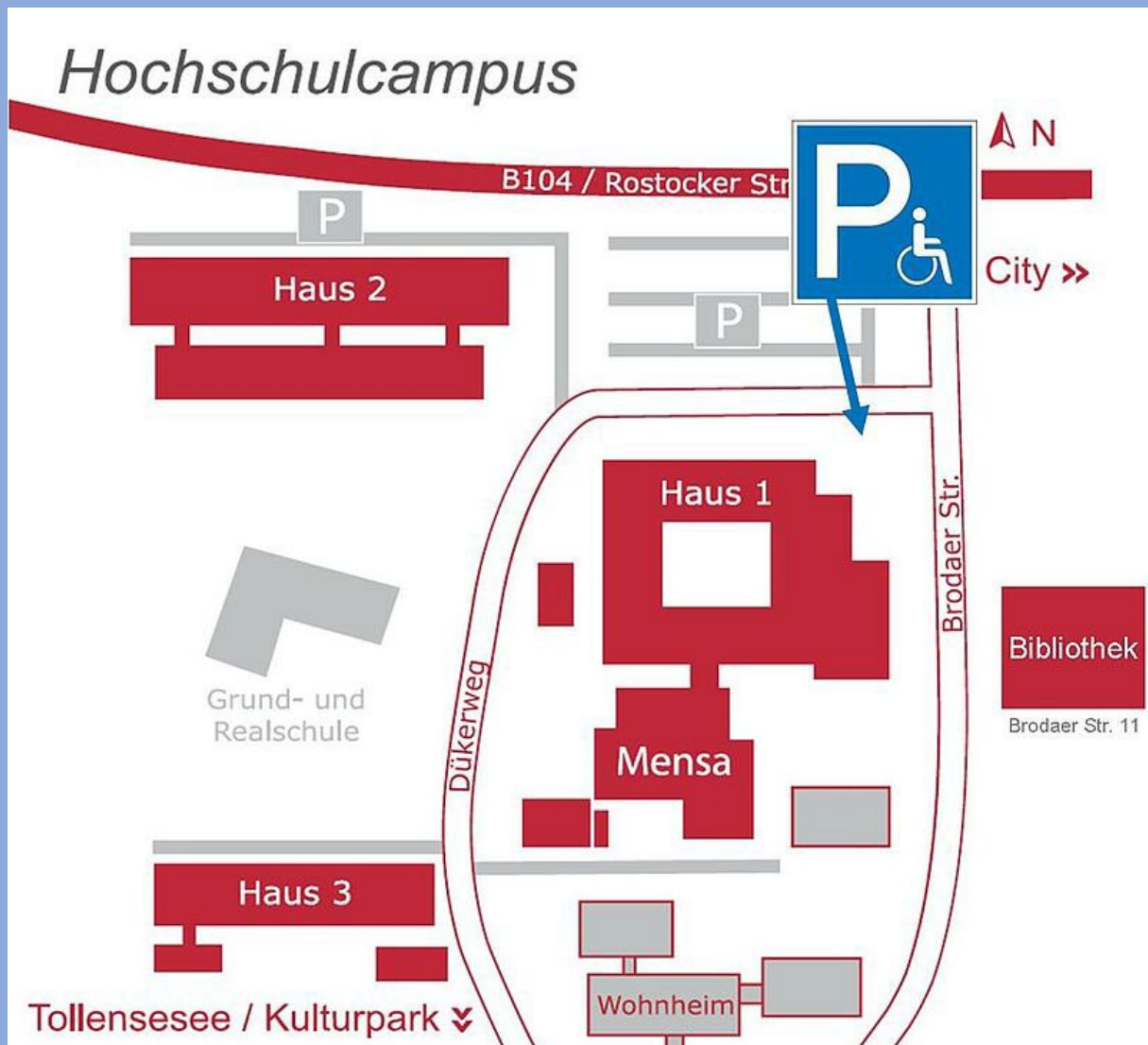
In general, the intention is to increasingly develop the semester information folder as a purely digital document, but this does not preclude printing on paper.

In order for the Semester Brochure to actually meet your needs in terms of content and handling, your comments, hints and ideas are needed.

Let us know what you think in the [Semester Brochure forum!](#)

Jens Rupprecht
Editor Semester Brochure
rupprecht@hs-nb.de

Site Map



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PO Box 11 01 21
17041 Neubrandenburg
Germany

Telephone: +49 395 5693 4002 (Department Secretary)

GPS: N53° 33.340' E013° 14.844'

Regular Semester Dates

Begin of Winter semester :	04/09/2023	
Verification:	04/09/2023 to 15/09/2023	
Introductory week freshers:	11/09/2023 to 15/09/2023	
Lecture Period:	11/09/2023 to 12/01/2024	
Matriculation ceremony:	25/09/2023	
Lecture free:	02/10/2023	Bridging Day
	03/10/2023	Tag der Deutschen Einheit
	30/10/2023	Bridging Day
	31/10/2023	Reformationstag
	27/12/2023 to 05/01/2024	Christmas/New Year's Eve
Feedback for summer semester 2024	08/01/2024 to 02/02/2024	
Exams:	15/01/2024 to 02/02/2024	
End of the winter semester:	29/02/2024	

Lecture Plan

from the current online course catalogue (HIS-LSF) of the university

Path A

[1. Semester](#)

2. Semester: Masterthesis inc. Defence Colloquium

Path B

[2. Semester](#)

Department LG (Landscape Sciences and Geoinformatics)

Dean Prof. Dr.-Ing. Thomas Willemsen Raum 072 - Bdg. 2 +49 395 5693 - 4111	Vice-Dean Prof. Dr. Ing. Caroline Rolka Raum 311 - Bdg. 2 +49 395 5693 - 4506	Dean of Studies Prof. Dr. rer. nat. habil. Robert Sommer Raum 331 - Bdg. 2 +49 395 5693 - 4504	Secretary Mrs. Anja Eutin Room 120 - Bdg. 2 +49 395 5693 4002
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Department Steering Committee

Professors

Prof. Dr. rer. nat. habil. Robert Sommer
Prof. Dr.-Ing. Carolin Rolka
Prof. Dipl.-Ing. Claudia Schulte
Prof. Dr. Peter Dehne
Prof. Dr. phil. Philip Caston

Staff

Mirko Lemke
Martin Kiskemper

Students

Philip Karnatz

Department Officers

LGM Course Speaker/Coordinator for WS 2022/23

Prof. Dipl.-Ing. Claudia Schulte
Room 310 - Bdg 2 | +49 395 5693 - 4510 | schulte@hs-nb.de

Internship Officer LGM

Prof. Dipl.-Ing. Johann Fröhlich
Room 302 - Bdg 2, | +49 395 5693 - 4503 | fröhlich@hs-nb.de

Department Officer for Foreign Matters

Prof. Dr. Philip Caston
Room 229 - Bdg. 2 | +49 395 5693 - 4501 | caston@hs-nb.de

LGM Examination Committee

Prof. Dr. Philip Caston (Chairman)
Room 229 - Bdg. 2 | +49 395 5693 - 4501 | caston@hs-nb.de

Administration Support

International Office / Student Advisory Service / Buddy Programme

Mrs. Dorina Mackedanz









Room 258 - Bdg. 1 | +49 395 5693 - 1110 | mackedanz@hs-nb.de

Enrolment and Examination Office

Mrs. Ariane Haß

Room 254 - Bdg. 1 | +49 395 5693 - 1104 | hass@hs-nb.de

Your Team for This Semester

<p>Prof. Dr.-Ing. Sven Brämer Room 202 - Bdg. 2 +49 395 5693 - 4303</p>	<p>Measurement Technology, Informatics</p>	
<p>Prof. Dr. David Vollmuth Room 320 - Bdg. 2 +49 395 5693 - 4526</p>	<p>Ecological Engineering and Green Infrastructure</p>	
<p>Prof. Dr.-Phil. Philip Caston Room 229 - Bdg. 2 +49 395 5693 - 4501</p>	<p>Building Documentation, Building Archaeology, Surveying</p>	
<p>Prof. Dr.-Ing. Manfred Köhler Room 320 - Bdg. 2 +49 395 5693 - 4505</p>	<p>Landscape Ecology, Vegetation Science, Botany</p>	
<p>Prof. Dr.-Ing. Ralf Löwner Room 301 - Bdg. 2 +49 395 5693 - 4102</p>	<p>Photogrammetry, Remote Sensing, GIS, Cartography</p>	
<p>Prof. Dr.-Ing. Elke Mertens Room 209 - Bdg. 2 +49 395 5693 - 4508</p>	<p>Urban Planning / Design</p>	
<p>Prof. Dr.-Ing. Caroline Rolka Room 311 - Bdg. 2 +49 395 5693 - 4506</p>	<p>Garden History, Garden Conservation</p>	
<p>Dipl.-Ing. Jens Rupprecht Room 232 - Bdg. 2 +49 172 3043289</p>	<p>Visualization and Data Modelling</p>	

Helpful Guidance Concerning Examinations

Examinations are carefully regulated to ensure fairness, there are a number of procedures that you must follow when taking examinations or withdrawing from a registration. If you are uncertain, please contact Mrs. HaB (details above). This information is taken from the official university website:

<https://www.hs-nb.de/en/academics/academics-and-advising/enrolments-and-examination-office/examination-matters/registration-for-examinations/>

and

<https://www.hs-nb.de/en/academics/academics-and-advising/enrolments-and-examination-office/examination-matters/withdrawalabsence-from-examinations/>

Registration for examinations

You must register before the deadline at SB-Online (the online student administration portal) for examinations that you would like to take in the semester. You will not be able to take examinations for which you have not registered.

Which examinations have to be completed is specified in the departmental examination regulations and the examination schedule for your particular course.

Important information

If you miss the registration deadlines for the module examinations by more than two semesters or do not take an examination for which you have registered, in both cases the examinations will be graded as failed.

Registration periods

For each examination period in a semester, there are fixed and published registration periods. The registration periods are generally from the start of May to the end of May (for the summer semester) and from the start of November to the middle of December (for the winter semester). You may only register and deregister without providing reasons within this period. If the registration deadline has elapsed, your application is considered to be binding.

Please ensure that you are aware of your examination schedule and the registration periods for each semester.

A late fee of €13.00 is payable for late registration for examinations.

Application for a repeat examination

If you have failed an examination or not taken an examination with justification (e.g. with a medical certificate), you are automatically obliged to repeat the examination the next semester. You must register at SB-Online again for all repeat examinations. If you fail to do this, you will be automatically registered (obligatory registration) by the Enrolments and Examination Office. The repeat examinations will be scheduled in the following semester.

Withdrawal/absence from examinations due to illness

Basic information

In withdraw from an examination for which you are registered up to seven days before the examination as per the regulations and without providing reasons. Cancellation of your enrolment requires written notification to the Enrolments and Examination Office or through the electronic course management and examination system (SB-Online).

Notification and certificate

If due to illness you are prevented from taking part in an examination or submitting an assessment by the specified date or you must withdraw from an examination after the start of the examination, you must immediately inform the examination office (3 business days after the particular examination date at the latest) in writing and providing substantiation.

For assessments with a submission deadline (assignments, project work, final theses, etc.), there is the option of applying for an extension of the due date in addition to withdrawing or being absent.

The following documents must be submitted to the examination office for this purpose:

Form: 'Absence or withdrawal from examinations / Application for extension of the due date for reasons of illness'

A medical certificate

Medical certificate

1. Simple certificate of incapacity to work (a 'yellow slip'):

For the first attempt to take an examination or the first application for an extension of the due date, a 'simple' certificate of incapacity to work (a 'yellow slip') must be provided.

2. Certificate of inability to take an examination (medical certificate):

For repeat examinations and for the second or more extension of a due date, the Neubrandenburg University of Applied Sciences form 'Certificate of inability to take an examination' must be completed by the treating doctor. Certificates that are not submitted on the form but which nevertheless contain all the necessary information to assess the inability to take an examination are still valid.

3. Official medical certificate:

In cases of doubt, particularly for the final attempt to take an examination or for Bachelor's or Master's theses, the examination office can, with the agreement of the examination board, request that the candidate submit an official medical certificate for the inability to take an examination.

Please note:

A medical certificate can only be accepted if the medical examination has taken place **on the day of the examination at the latest**. If a student becomes unable to continue taking an examination during the examination itself (written examination, oral examination, etc.), a medical certificate must be obtained **immediately after terminating the examination**.

For the case that, during a period covered by a medical certificate, an **examination is taken in spite of the certificate**, the certificate is no longer valid.

Example: The certificate applies to the period Monday to Friday of a particular week. There is an examination of Monday, Wednesday and Friday. You do not take the examination on Monday but do take the examination on Wednesday. If you do not want to take part in the written examination on Friday, you must provide a new certificate for this date.

Similarly, you are entitled to withdraw for compelling reasons in the case **of illness of your child**, provided the child lives in your home, another person living in your home is not able to supervise, care for or nurse the child, and the child is not yet 12 years of age.

Deadlines

The notification and medical certificate must be submitted to the examination office immediately, that is, without culpable delay, **by the 3rd business day at the latest** after the particular examination date.

The application for an extension of the due date and the medical certificate must also be submitted promptly and in all cases always **before the due date has passed**.

The received stamp of the University (not the date stamp) is valid in this case. Saturdays, Sundays and public holidays are not included. Documents that are not received in time can only be accepted in exceptional cases. The reasons for a delay in the submission must be stated by you and substantiated, that is, you must satisfactorily demonstrate that it was not possible for you to submit the notification and the medical evidence by the deadline.

Example: Hospitalisation as a result of an accident.

A **subsequent appeal to reasons for withdrawal or absence** that were known to you at the time of the examination is excluded. Withdrawal from an examination is also excluded if the **examination result has been published** unless it was not possible for you to provide the information and substantiate your case for reasons beyond your control.

You also have a **duty to cooperate** when determining the inability to take an examination. If you do not provide the required evidence or do not provide it in time, this will be to your disadvantage; the assessment is then graded as 'unsatisfactory' (5.0).

Legal consequences

If the notification and the medical certificate meet the requirements and are submitted in time, the examination attempt concerned is considered to be not taken and you are eligible for a new examination attempt in the next possible examination date, generally in the examination period of the following semester. The extension of the due date is determined by the length of the inability to take the examination.

If the notification or the application and the evidence (e.g. medical certificate) are not submitted or are submitted late and are not accepted, the assessment concerned is graded as 'unsatisfactory' 5.0.

Communication in both cases is in writing through the examination office.

The following pages are taken from the module catalogue LGM 2020



Appendix 2 to the Study Regulations for the
Master's Programme
Landscape Studies and Greenspace Management

Module Descriptions

Overview of Modules

SEM.	MODULE CODE NO.	TITLE	FOOT-NOTE	RESPONSIBLE FOR MODULE	CREDITS	PAGE
1st	LGM.20.001	Dendrology and Planting Design		Rolka	6	3
1st	LGM.20.002	Landscaping and Materials		TBA	6	5
1st	LGM.20.003	German for International Students	¹⁾	Language Centre	6	6
1st	LGM.20.004	Foreign Language	¹⁾	Language Centre	6	7
1st	-	Elective Module 1		See catalogue	6	8
1st	-	Elective Module 2		See catalogue	6	9
2nd	LGM.20.010	Design Studio 1		all	6	10
2nd	LGM.20.005	Greenspace Management		Mertens	6	11
2nd	LGM.20.007	Landscape and Structures		Caston	6	12
2nd	-	Elective Module 3		See catalogue	6	13
2nd	-	Elective Module 4		See catalogue	6	14
3rd	LGM.20.008	Internship		Fröhlich	30	15
4th	LGM.20.009	Master's Thesis incl. Defence Colloquium		all	23 + 7	17
-	LGM.20.011	Design Studio 2		all	6	18
	LGM.20.012	Designing in the Historical Environment		Rolka	6	20
-	LGM.20.006	Maintenance of Green and Open Spaces		TBA	6	22
-	LGM.20.013	Documentation, Modelling, Surveying		Caston	6	24
-	LGM.20.014	Ecological Engineering and Green Infrastructure		Köhler	6	25
-	LGM.20.015	Landscape Architecture in International Comparison		Mertens	6	26
-	LGM.20.016	Visualization and Data Modelling		Dean	6	27
-	LGM.20.017	International Seminar in Landscape Architecture		Mertens	6	29
-	-	Module from Another Course		all	6	30
-	GGI.19.045	Management in Business and Authorities		Brämer	6	31
-	GGI.19.008	Spatial Data Infrastructure		TBA	6	33
-	GGI.19.017	GI-Technologies		Löwner	6	35

¹⁾ Students with a German language level of less than B2 (CEFR) or equivalent take the compulsory module "German for International Students". All other students (with a German language level more advanced than B2 (CEFR) or equivalent) take the module "Foreign Language I".

Catalogue of Compulsory Modules

LGM.20.001	Dendrology and Planting Design		
Version	13 May 2020		
Module title (German)	Gehölzkunde und Bepflanzungsplanung		
Responsible	Prof. Dr Caroline Rolka		
Credits	6		
Degree programmes	LGM	Landscape Studies and Greenspace Management	Version 2020 Compulsory module in the 1st semester (4-semester Master's, Path B)
Frequency and length	Starts every summer semester, one semester in length		
Prerequisites	None		

Requirements for the award of credits

Marking and weighting	A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.		
Assessments	AP	Alternative assessment, portfolio	
Assessment prerequisites	Participation in the seminar and workshop (compulsory attendance)		

Courses and hours

I	LGM.20.001.1	Identification of Trees and Shrubs, Planning for Woody Plants Seminar, 2 hours per week	32 h
II	LGM.20.001.2	Practical Application of the Knowledge Acquired during the Semester Workshop, 2 hours per week	32 h
III		Independent preparation and revision, including assessment	116 h
			Total: 180 h

Lecturer	Prof. Dr Caroline Rolka, TBA
Language of instruction	English
Content	<p>Students independently develop an advanced, specialised knowledge of European trees and shrubs and apply this knowledge in an in-depth investigation of one tree species with reference to its species-specific characteristics, growing conditions, interactions with other plants, possible diseases, uses in landscape architecture, care requirements and cultural backgrounds.</p> <p>The acquired knowledge will also be applied through the design of an identification or planting plan for trees and shrubs. This plan shall include in particular practical aspects, requirements with respect to plant typology, such as site conditions, colour aspects, planting distance, plant compatibility and sustainability strategies, as well as design aspects.</p>
Learning objectives/outcomes	After completing the module, students will be able to independently identify European trees and shrubs in a professional manner and, as a result, will have the skills required for using trees and shrubs in the context of planning in the field of landscape architecture. With the knowledge they have gained, students are able to deduce the respective plant-care measures and take these into consideration

as a planning aspect in the planting plan. Accordingly, students will apply their acquired knowledge on requirements related to plant typology and on aesthetic design requirements to a practical application.

Teaching and learning
methods
Literature

Seminars and practical workshops

Guidelines from the Landscape Development and Landscaping Research Society (FLL)

Phillips & Rix: Shrubs, 1994

Wöhrle, Regine Ellen and Wöhrle Hans-Jörg: Basics: Designing with Plants, 2017.

Robinson, Nick: The Planting Design Handbook, 2016.

Oudolf Piet: A Journey Through a Plantsman's Life, 2015.

Rohde, Michael: Pflege historischer Gärten, Theorie und Praxis, 2008.

Current nursery catalogues

Magazine Gartenpraxis: <https://www.gartenpraxis.de/>

<https://www.baumkunde.de/baumbestimmung/>

<https://www.arborday.org/trees/treeguide/classification.cfm>

<http://opac.lbs-rostock.gbv.de/DB=2/XMLPRS=N/PPN?PPN=09001071X>

<http://opac.lbs-rostock.gbv.de/DB=2/XMLPRS=N/PPN?PPN=351171649>

<http://opac.lbs-rostock.gbv.de/DB=2/SET=7/TTL=11/SHW?FRST=15>

LGM.20.002 Landscaping and Materials

Version 13 May 2020
Module title (German) Bauweisen und Materialien im Landschaftsbau
Responsible TBA
Credits 6

Degree programmes LGM Landscape Studies and Greenspace Management Version 2020
Compulsory module in the 1st semester (4-semester Master's, Path B)

Frequency and length Starts every summer semester, one semester in length

Prerequisites None

Requirements for the award of credits

Marking and weighting A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.

Assessments SCH Proctored written examination (Klausur), 120 minutes in length

Assessment prerequisites Participation in the workshops (compulsory attendance 80%)

Courses and hours

I	LGM.20.002.1	Landscaping Methods Lecture, 1 hour per week	16 h
II	LGM.20.002.2	Landscaping Methods Workshop, 1 hour per week	16 h
III	LGM.20.002.3	Use of Materials in Landscaping Lecture, 1 hour per week	16 h
IV	LGM.20.002.4	Use of Materials in Landscaping Workshop, 1 hour per week	16 h
V		Independent preparation and revision, including preparation for assessment	116 h
			Total: 180 h

Lecturer TBA

Language of instruction English

Content Earthwork, planting, seeding and ground work, square and path construction, stair construction and water installations
Use of wood, stone, concrete, metal, plastics, sustainable construction

Learning objectives/outcomes Students gain an in-depth knowledge of the essential landscaping materials and methods and are able to apply this knowledge in their own planning projects.

Teaching and learning methods -

Literature Harris, Charles W., Dines, Nicholas T.; Brown, Kyle D.: *Time-saver standards for landscape architecture: design and construction data*, New Delhi, 2011, McGraw Hill Education (India) Private Limited.
Fraser, Gordon Rowland : *Landscape Professional Practice*, Farnham, Surrey, Ashgate, 2014.
Fine, Jonathan: *English for Landscaping Professionals*, Berlin [u.a.], 2014, Patzer. And many others.

LGM.20.003**German for International Students**

Version	13 May 2020
Module title (German)	Deutsch für Studierende aus dem Ausland
Responsible	Language Centre
Credits	6

Degree programmes	LGM	Landscape Studies and Greenspace Management	Version 2020
		Compulsory module in the 1st Semester (4-semester Master's, Path B)	
Frequency and length	Starts every summer semester, one semester in length		
Prerequisites	Compulsory module for students with a German language level of less than B2 (CEFR) or equivalent		

Requirements for the award of credits

Marking and weighting	A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.		
Assessments	AHA	Written assignment 15 pages in length	
	or		
	AP	Presentation 20 minutes in length	
	or		
	AR	Presentation 10 minutes in length with paper 10 pages in length	
		The assessor announces the type of assessment at the beginning of the semester.	
Assessment prerequisites	None		

Courses and hours

I	LGM.20.003.1	German as a Foreign Language Tuition in seminars, 4 hours per week	64 h
II		Independent preparation and revision, including preparation for assessment	116 h
			Total: 180 h

Lecturer	Language Centre
Language of instruction	English / German
Content	German. Development of language proficiency to a level of B1: learning to communicate From B1: Improvement of language proficiency and placing emphasis on the quality of expression
Learning objectives/outcomes	Students gain an intermediate knowledge of the foreign language, deepen and expand their language and cultural skills, and develop language proficiency in their field. After reaching the level B1: Students acquire the ability to communicate with others at the international level.
Teaching and learning methods	In the past, learning aids have been organised in many cases by the students themselves: use of audio and visual documents (projector), listening texts through high-quality technical equipment. The learning platform Moodle is used extensively in all languages.
Literature	Textbooks depending on level, topics from trade journals, audio documents from the internet, BBC Mundo.
Further information	Additional literature available in German and English.

LGM.20.004 Foreign Language

Version 13 May 2020
 Module title (German) Fremdsprache
 Responsible Language Centre
 Credits 6

Degree programmes LGM Landscape Studies and Greenspace Management Version 2020
 Elective module in the 1st semester (4-semester Master's, Path B)

Frequency and length Starts every summer semester, one semester in length

Prerequisites Compulsory module for students with a German language level more advanced than B2 (CEFR) or equivalent

Requirements for the award of credits

Marking and weighting A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.

Assessments AHA Written assignment 15 pages in length
 or
 AP Presentation 20 minutes in length
 or
 AR Presentation 10 minutes in length with paper 10 pages in length

Assessment prerequisites The assessor announces the type of assessment at the beginning of the semester.
 None

Courses and hours

I	LGM.20.004.1	Foreign Language I Seminar, 4 hours per week	64 h
II		Literature Studies	32 h
III		Independent preparation and revision, including preparation for assessment	84 h
			Total: 180 h

Lecturer Language Centre

Language of instruction Foreign language

Content A foreign language can be chosen freely from the courses offered by the Language Centre of the Neubrandenburg University of Applied Sciences.

Learning objectives/outcomes Over the course of the module, students learn to speak a foreign language fluently, correctly and confidently.

Teaching and learning methods For specific subject areas and fields
 Projection of visual documents using a projector, listening texts through high-quality technical equipment. The learning platform Moodle is used extensively in all languages.

Literature -

Further information The courses for the module Foreign Language I or II can be chosen from the ongoing language classes offered by the University.

- **Elective Module 1**

Version 13 May 2020
Module title (German) Wahlpflichtmodul 1
Responsible See description of module
Credits 6

Degree programmes LGM Landscape Studies and Greenspace Management Version 2020
Compulsory module in the 1st semester (4-semester Master's, Path B)

Frequency and length Starts every summer semester, one semester in length

Prerequisites None

Requirements for the award of credits

Marking and weighting See description of module

Assessments See description of module

Assessment prerequisites See description of module

Courses and hours

See description of module

Total: 180 h

Lecturer See description of module

Language of instruction English

Content See description of module

Learning objectives/outcomes See description of module

Teaching and learning methods See description of module

Literature See description of module

Further information See description of module

- **Elective Module 2**

Version 13 May 2020
Module title (German) Wahlpflichtmodul 2
Responsible See description of module
Credits 6

Degree programmes LGM Landscape Studies and Greenspace Management Version 2020
Compulsory module in the 1st semester (4-semester Master's, Path B)

Frequency and length Starts every summer semester, one semester in length

Prerequisites None

Requirements for the award of credits

Marking and weighting See description of module

Assessments See description of module

Assessment prerequisites See description of module

Courses and hours

See description of module

Total: 180 h

Lecturer See description of module

Language of instruction English

Content See description of module

Learning objectives/outcomes See description of module

Teaching and learning methods See description of module

Literature See description of module

Further information See description of module

LGM.20.010**Design Studio 1**

Version	13 May 2020
Module title (German)	Projekt 1
Responsible	All lecturers in the degree programme
Credits	6

Degree programmes	LGM	Landscape Studies and Greenspace Management	Version 2020
		Compulsory module in the 1st semester (2-semester Master's, Path A)	
		Compulsory module in the 2nd semester (4-semester Master's, Path B)	

Frequency and length Starts every winter semester, one semester in length

Prerequisites None

Requirements for the award of credits

Marking and weighting A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.

Assessments AHA Project work, max. 20 pages in length

Assessment prerequisites None

Courses and hours

I	LGM.20.010.1	Design Studio 1 Seminar, 1 hour per week	16 h
II	LGM.20.010.2	Design Studio 1 Workshop, 3 hour per week	48 h
III		Independent preparation and revision, including assessment task	116 h
			Total: 180 h

Lecturer All lecturers in the degree programme

Language of instruction English

Content Application of scientific methods to work on a concrete, complex planning project from the field of landscape architecture in Germany or another country through the development of a research question. Development of solutions through extensive independent literature research, as well as the selection and use of suitable software for working on the planning tasks in the group or, if applicable, individually.

Learning objectives/outcomes After completing the module, students will be able to:

- apply the principles of comprehensive project management to projects in interdisciplinary groups,
- incorporate current scientific findings and methods, as well as advanced knowledge about planning sciences, into their own design work,
- apply advanced knowledge about aims and contents of instruments of landscape architecture, like for example creative expression,
- specialise in selected topic areas of landscape architecture through independent scientific work,
- explore selected new subject areas through the evaluation of information, taking into account ecological and social perspectives,
- lead an academic discourse in the group on specialised and related planning areas.

Teaching and learning methods Individual and group work, project-based learning

Literature To be decided, depending on the topic

LGM.20.005 Greenspace Management

Version 13 May 2020
Module title (German) Grünflächenmanagement
Responsible Prof. Dr Elke Mertens
Credits 6

Degree programmes LGM Landscape Studies and Greenspace Management Version 2020
Compulsory module in the 1st semester (2-semester Master's, Path A)
Compulsory module in the 2nd semester (4-semester Master's, Path B)

Frequency and length Starts every winter semester, one semester in length

Prerequisites Knowledge of plants (e.g. from participation in the elective module Maintenance of Green and Open Spaces) recommended.

Requirements for the award of credits

Marking and weighting A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.

Assessments AP Alternative assessment, portfolio

Assessment prerequisites None

Courses and hours

I	LGM.20.005.1	Tree Cadastres Seminar, 2 hours per week	32 h
II	LGM.20.005.2	Care Plans and Management for Sustainable Green and Open Spaces, Green-Space Information System (GRIS), Calculation, Workshop, 2 hours per week	32 h
III		Independent preparation and revision, including preparation for assessment	116 h
			Total: 180 h

Lecturer Prof. Dr Elke Mertens

Language of instruction English

Content Students gain an advanced knowledge in the area of long-term greenspace management. Aspects like care measures and intensities for the maintenance of sustainable and high-quality greenspaces and the economic viability (cost accounting and value determination) and use of greenspaces are analysed on the basis of current issues and applied to the student's own designs.

Learning objectives/outcomes Students independently create care plans for the long-term conservation of trees and develop, calculate and present green and open spaces.

Teaching and learning methods Seminar

Literature

European Arboricultural Council: *European Tree Worker: Handbook*. Berlin; Hannover, 2016, Patzer Verlag

Roloff, Andreas: *Urban Tree Management: For the Sustainable Development of Green Cities*, Oxford, Chichester, Hoboken, NJ, 2016, John Wiley & Sons, Blackwell

Pruetz, R.: *Lasting Value: Open Space Planning and Preservation Successes*, 2012

Senatsverwaltung Berlin: *Handbuch Gute Pflege*, 2018

LGM.20.007 Landscape and Structures

Version 13 May 2020
Module title (German) Landschaft und Bauwerke
Responsible Prof. Dr Philip Caston
Credits 6

Degree programmes LGM Landscape Studies and Greenspace Management Version 2020
Compulsory module in the 1st semester (2-semester Master's, Path A)
Compulsory module in the 2nd semester (4-semester Master's, Path B)

Frequency and length Starts every winter semester, one semester in length

Prerequisites None

Requirements for the award of credits

Marking and weighting A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.

Assessments AHA Written assignment 20 pages in length

Assessment prerequisites Participation in seminars (compulsory attendance), poster presentation

Courses and hours

I	LGM.20.007.1	Landscape and structures, including academic work and visualisation Seminar, 4 hours per week	64 h
II		Independent preparation and revision, including assessment	116 h
			Total: 180 h

Lecturer Prof. Dr Philip Caston

Language of instruction English

Content On the basis of current research on representative structures, infrastructure and functional structures, and their relationship to the landscape. Special features, boundaries, terminologies and doctrines are developed for a specific application through independent ideas and prepared on the basis of specialised scientific methods.

Learning objectives/outcomes Using inductive reasoning for solving problems specific to the field, with the help of scientific methods, taking into account a broad, interdisciplinary context. The correct and subject-related scientific approach to research and the writing of subject-related essays at international level.

Teaching and learning methods Seminar

Literature

York, T.: *English Canals Explained*, Countryside 2003.
Houdin, J.-P.: *The Secret of the Great Pyramid*, Harper Collins 2009.
Ashford, N. J. et al.: *Airport Engineering*, John Wiley, 2011.
Times Atlases (ed.): *History of the World in Maps*, Times Books, 2014.
Weselby, J. M.: *Citations Made Simple: A Student's Guide to Easy Referencing – The Complete Guide*, 2014.
Wong, K.: *Avoiding Plagiarism*, Ontario 2010.

- Elective Module 3	
Version	13 May 2020
Module title (German)	Wahlpflichtmodul 3
Responsible	See description of module
Credits	6
Degree programmes	LGM Landscape Studies and Greenspace Management Version 2020 Compulsory module in the 1st semester (2-semester Master's, Path A) Compulsory module in the 2nd semester (4-semester Master's, Path B)
Frequency and length	Starts every winter semester, one semester in length
Prerequisites	None

Requirements for the award of credits

Marking and weighting	See description of module
Assessments	See description of module
Assessment prerequisites	See description of module

Courses and hours

See description of module

Total: 180 h

Lecturer	See description of module
Language of instruction	English
Content	See description of module
Learning objectives/outcomes	See description of module
Teaching and learning methods	See description of module
Literature	See description of module
Further information	See description of module

- **Elective Module 4**

Version 13 May 2020
Module title (German) Wahlpflichtmodul 4
Responsible See description of module
Credits 6

Degree programmes LGM Landscape Studies and Greenspace Management Version 2020
Compulsory module in the 1st semester (2-semester Master's, Path A)
Compulsory module in the 2nd semester (4-semester Master's, Path B)

Frequency and length Starts every winter semester, one semester in length

Prerequisites None

Requirements for the award of credits

Marking and weighting See description of module

Assessments See description of module

Assessment prerequisites See description of module

Courses and hours

See description of module

Total: 180 h

Lecturer See description of module

Language of instruction English

Content See description of module

Learning objectives/outcomes See description of module

Teaching and learning methods See description of module

Literature See description of module

Further information See description of module

LGM.20.008**Internship (incl. Preparation and Follow-Up)**

Version	13 May 2020
Module title (German)	Praktikumssemester (inkl. Vor.- und Nachbereitung).
Responsible	Prof. Dipl.-Ing. Johann Fröhlich
Credits	30

Degree programmes LGM Landscape Studies and Greenspace Management Version 2020
Compulsory module in the 3rd semester (4-semester Master's, Path B)

Frequency and length Starts every summer semester, one semester in length

Prerequisites None

Requirements for the award of credits

Marking and weighting A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.

- Assessments
- I Recognition of the internship in accordance with the Internship Regulations by the Internship Coordination Office; **and**
Prerequisites:
- Certification of an internship (20 weeks) at a recognised internship site
 - Internship certificate
 - Proof of participation in the seminars; compulsory attendance
- II AHA Internship report, 20 pages in length (weighting 80%); **and**
- III AP Presentation, 20 minutes in length (weighting 20%)

Assessment prerequisites Approval of the internship site by the faculty member responsible for the internship

Courses and hours

I	LGM.20.008.1	Internship Semester Practical work, min. 20-week internship	868 h
II	LGM.20.008.2	Internship Semester (Preparation and follow-up work, supervision) Tuition in seminars, 2 hours per week	32 h
			Total: 900 h

Lecturer Prof. Dipl.-Ing. Johann Fröhlich

Language of instruction English

Content Team-oriented investigation of subjects and issues specific to the field. Use of scientific, planning and artistic methods and approaches in freely chosen areas of work in professional practice in Germany and abroad. Analysis of workflows and areas of conflict in professional practice. Cooperative work with partners in the team or in communication processes. Investigation of specialist subjects and issues in planning, construction management, tendering, awarding contracts and invoicing. Workflows in professional practice. Transfer and reflection of the experience in the context of the degree programme.

Learning objectives/outcomes Improvement of existing knowledge in cooperation with partners from professional practice. Application of planning-theory know-how. Teamwork / ability to work in a team. Interdisciplinary work. Insights into and practical experience with the work of the planning offices of independent garden and landscape architects, of urban greenspace planning offices or similar institutions, of gardening and landscaping companies or similar gardening companies.

Teaching and learning methods Practical work on a daily basis at an internship site with preparation and follow-up seminar. Mentoring by the internship partner. Language of instruction is German or the respective national language for internships abroad. Continual preparation

and follow-up of internship and internship report. Mentoring by the responsible faculty member.

Literature

Relevant literature corresponding to the respective topics.
Planning documents and publications of the partner sites.

LGM.20.009**Master's Thesis incl. Defence Colloquium**

Version 13 May 2020
 Module title (German) Master-Arbeit inklusive Kolloquium
 Responsible all
 Credits 30

Degree programmes LGM Landscape Studies and Greenspace Management Version 2020
 Compulsory module in the 2nd semester (2-semester Master's, Path A)
 Compulsory module in the 4th semester (4-semester Master's, Path B)

Frequency and length Starts every summer and winter semester, one semester in length

Prerequisites Proof of at least 84 credits, including the module "Internship Semester" (Path B) or of at least 24 Credits (Path A)

Requirements for the award of credits

Marking and weighting A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.

Assessments MA Master's thesis, weighting: 77% (23 credits)
 and
 AKQ Colloquium (max. 60 minutes), weighting: 23% (7 credits)

Assessment prerequisites A Master's thesis with a minimum mark of "sufficient" is required for the final colloquium.

Courses and hours

I	Master's Thesis	690 h
II	Final Colloquium	210 h
	Total:	900 h

Lecturer Lecturers from the department LG

Language of instruction English

Content Independent investigation of a scientific issue in the area of landscape architecture and/or greenspace management under the guidance of a lecturer.

Learning objectives/outcomes With the final thesis, students demonstrate their ability to independently investigate a specialised problem within a specified period of time using scientific methods and criteria.
 Furthermore, students are able to clearly present specialised information, both in writing and orally, in a manner that is appropriate for the respective target group.

Teaching and learning methods -
 Literature Depending on the topic.

Further information More detailed information can be found in the Framework Examination Regulations (RPO) and the Examination Regulations for the Master's programme Landscape Studies and Greenspace Management

Catalogue of Elective Modules

LGM.20.011	Design Studio 2		
Version	13 May 2020		
Module title (German)	Projekt 2		
Responsible	All lecturers in the degree programme		
Credits	6		
Degree programmes	LGM	Landscape Studies and Greenspace Management	Version 2020 Elective module in the 1st semester (2-semester Master's, Path A)

Frequency and length Starts every winter semester, one semester in length

Prerequisites None

Requirements for the award of credits

Marking and weighting No mark is awarded for the module.

Assessments AP Alternative assessment, project

Assessment prerequisites None

Courses and hours

I	LGM.20.011.1	Development of a scientific research question Seminar, 1 hour per week	16 h
II	LGM.20.011.2	Development of solution approaches and scientific methods for the issue Workshop, 3 hour per week	48 h
III		Independent preparation and revision, including assessment task	116 h
			Total: 180 h

Lecturer All lecturers in the degree programme

Language of instruction English

Content Application of scientific methods to work on a concrete, complex planning project from the field of landscape architecture in Germany or another country through the development of a research question. Development of solutions through extensive independent literature research, as well as the selection and use of suitable software for working on the planning tasks in the group or, if applicable, individually.

Learning objectives/outcomes After completing the module, students will be able to:
 - apply the principles of comprehensive project management to work in interdisciplinary groups,
 - incorporate current scientific findings and methods, as well as advanced knowledge about planning sciences, into their own design work,
 - apply advanced knowledge about aims and contents of instruments of landscape architecture, like for example creative expression,
 - specialise in selected topic areas of landscape architecture through independent scientific work,
 - explore selected new subject areas through the evaluation of information, taking into account ecological and social perspectives,

- lead an academic discourse in the group on specialised and related planning areas.

Teaching and learning
methods
Literature

Individual and group work, project-based learning

To be decided, depending on the topic

LGM.20.012**Designing in the Historical Environment**

Version	13 May 2020
Module title (German)	Entwerfen im historischen Kontext
Responsible	Prof. Dr Caroline Rolka
Credits	6
Degree programmes	LGM Landscape Studies and Greenspace Management Version 2020 Elective module in the 1st semester (2-semester Master's, Path A) Elective module in the 1st/2nd semester (4-semester Master's, Path B)
Frequency and length	Starts every winter semester, one semester in length
Prerequisites	None

Requirements for the award of credits

Marking and weighting	A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.
Assessments	AP Alternative assessment, presentation 20 minutes in length (weighting 50%) and AP Alternative assessment, poster (weighting 50%)
Assessment prerequisites	Participation in the seminar and workshop (compulsory attendance)

Courses and hours

I	LGM.20.012.1	Designing in the historical environment Seminar, 2 hours per week	32 h
II	LGM.20.012.2	Designing in the historical environment Workshop, 2 hours per week	32 h
III		Independent preparation and revision, including assessment	116 h
			Total: 180 h

Lecturer	Prof. Dr Caroline Rolka
Language of instruction	English
Content	Students work out legal and planning-related conditions like heritage-related objectives, species-protection surveys, landscape conservation programmes in the implementation of planning concepts for historical outdoor spaces through analysis and scientific evaluation. (Analysis of the site with respect to all of the protected natural resources found on the site). The knowledge gained in the process will be applied to a design field on the basis of individual usage, development and care concepts. These concepts are based on interdisciplinary issues of landscape architecture, including greenspace management. For example, connections to the academic content of the modules Care Management and Ecological Engineering. The designs are defended academically in the context of a presentation.
Learning objectives/outcomes	After completing the module, students will be able to: apply legal considerations and aspects that are relevant in a planning context with respect to historical areas or objects (e.g. heritage context) to specific applications and incorporate them into planning concepts. Furthermore, students will acquire the skills necessary for recognising and analysing all other interdisciplinary and use-specific aspects concerning historical outdoor installations, and applying these aspects in the implementation of designs (e.g. environmental-protection issues, species-protection issues, use-specific considerations, climate influences and care-related requirements).

The learning objective for this module is to be able to gather all relevant data and considerations for a historically relevant outdoor area with high demands in terms of planning, recognise all relevant legal provisions, consider current usage requirements in the creation of a design draft and, on this basis, develop a care- and development plan for the design area.

Teaching and learning methods

Seminar with workshops; short excursion to the planning site; guest lectures; participation in specialist lectures, project-based learning

Literature

Heritage Protection Law (Denkmalschutzgesetz) Mecklenburg-Vorpommern from 1998/2006.

The Venice Charta 1963 (ICOMOS)

The Venice Charta 1981 (ICOMOS)

McLeod: Detail in Contemporary Landscape Architecture, Laurence King Publishing Ltd, 2008.

Steenbergen Clemens: Composing Landscapes, Analysis, Typology and Experiments for Design, Birkhäuser, 2008.

Cerasella Craciun; Bostenaru-Dan, Maria: Planning and Designing Sustainable and Resilient Landscapes, Springer Verlag, 2014.

North, Alica: Operative Landscapes, Birkhäuser Berlin, 2012.

LGM.20.006 Maintenance of Green and Open Spaces

Version 13 May 2020
Module title (German) Pflege von Vegetationsflächen
Responsible TBA
Credits 6

Degree programmes LGM Landscape Studies and Greenspace Management Version 2020
Elective module in the 1st semester (2-semester Master's, Path A)
Elective module in the 2nd semester (4-semester Master's, Path B)

Frequency and length Starts every winter semester, one semester in length

Prerequisites None

Requirements for the award of credits

Marking and weighting A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.

Assessments AHA Written assignment 15 pages in length

Assessment prerequisites Participation in the workshop (compulsory attendance)

Courses and hours

I	LGM.20.006.1	Care of green and open spaces as a precondition for the development and preservation of representative and environmentally effective open spaces Lecture, 1 hour per week	16 h
II	LGM.20.006.2	Practical care of green and open spaces Workshop, 1 hour per week	16 h
III	LGM.20.006.3	Care and maintenance of green and open spaces with respect to aesthetics, ecology and social functions Seminar, 2 hours per week	32 h
IV		Independent preparation and revision, including preparation for assessment	116 h
			Total: 180 h

Lecturer TBA

Language of instruction English

Content Follow-up care and developmental care of green and open spaces, particularly functional profiles, quality categories and the intensity targets and measures for plant care; in addition, the course will cover environmental considerations, such as plant vitality and plant protection, and aspects related to historic garden preservation.

Learning objectives/outcomes Students learn care and maintenance measures for ponds, streams and other bodies of water, ornamental shrubs and trees and grassland with respect to their sustainable development, taking into account the latest scientific developments. Students critically assess the social and use-related functions of green and open spaces. They develop their own ideas on environmental and aesthetic functions and their significance for the practical care of green and open spaces.

Teaching and learning methods -

Literature Harris, Charles W., Dines, Nicholas T.; Brown, Kyle D.: *Time-saver standards for landscape architecture: design and construction data*, New Delhi, 2011, McGraw

Hill Education (India) Private Limited

Kingsbury, Noel: Garden Flora: *The Natural and Cultural History of the Plants in Your Garden*, Timber Press, Incorporated, 2016

Fine, Jonathan: *English for Landscaping Professionals*, Berlin [u.a.], 2014, Patzer

LGM.20.013 Documentation, Modelling, Surveying

Version 13 May 2020
Module title (German) Dokumentation, Modellbau, Vermessungskunde
Responsible Prof. Dr Philip Caston
Credits 6

Degree programmes LGM Landscape Studies and Greenspace Management Version 2020
Elective module in the 1st semester (2-semester Master's, Path A)
Elective module in the 2nd semester (4-semester Master's, Path B)

Frequency and length Starts every winter semester, one semester in length

Prerequisites None

Requirements for the award of credits

Marking and weighting A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.

Assessments AXP Experimental work

Assessment prerequisites Participation in the internship and seminars (compulsory attendance)

Courses and hours

I	LGM.20.013.1	Documentation or modelling or surveying internship, 3 hours per week	48 h
II	LGM.20.013.2	Documentation or modelling or surveying tuition in seminars, 1 hour per week	16 h
III		Independent preparation and revision, including assessment	116 h
			Total: 180 h

Lecturer Prof. Dr Philip Caston

Language of instruction English

Learning objectives/outcomes Students should learn to independently gain an understanding of the constructive design of a structure and/or the form of the landscape site, and graphically document, and if applicable independently replicate, this constructive design.

Teaching and learning methods Project-based learning: surveying on site or CAD in the laboratory or modelling in the workshop.

Literature Burns, J. A. et al.: *Recording Historic Structures*. Washington 1989.
Dallas, R. (ed.): *Measured Survey and Building Recording for Historic Buildings and Structures*. Edinburgh 2003.
De Jonge, K. & K. Van Balen: *Preparatory Architectural Investigation in the Restoration of Historical Buildings*. Leuven 2002.
Driscoll, M.: *Modelmaking for Architects*, Crowood Press 2013.
Dunn, N.: *Architectural Modelmaking*, Laurence King Publishing 2010.
Werner, M.: *Model Making (Architectural Briefs)*, Princeton Architectural Press 2011.

LGM.20.014**Ecological Engineering and Green Infrastructure**

Version 13 May 2020
 Module title (German) Ingenieurökologie und Grünflächen Infrastruktur
 Responsible Prof. Dr-Ing. Manfred Köhler
 Credits 6

Degree programmes LGM Landscape Studies and Greenspace Management Version 2020
 Elective module in the 1st semester (2-semester Master's, Path A)
 Elective module in the 1st/2nd semester (4-semester Master's, Path B)

Frequency and length Starts every winter semester and (in the case of sufficient demand) every summer semester, one semester in length

Prerequisites None

Requirements for the award of credits

Marking and weighting A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.

Assessments AP Alternative assessment, portfolio

Assessment prerequisites None

Courses and hours

I	LGM.20.014.1	Ecological Engineering and Green Infrastructure Seminar, 2 hours per week	32 h
II	LGM.20.014.2	Ecological Engineering and Green Infrastructure Workshop, 2 hours per week	32 h
III		Independent preparation and revision	116 h
			Total: 180 h

Lecturer Prof. Dr-Ing. Manfred Köhler

Language of instruction English

Content The course will introduce specific subject areas related to ecological construction, including the following topics: The concept of green infrastructure in Europe. Techniques for the greening of buildings, such as roof planting, facade greening and interior planting. The focus will be on plant selection and the required technique. The subject of building with green will be presented on the basis of the book *Ecodesign* by Ken Yeang. It starts at the building level, but the neighbourhood and municipal level will also be covered. Ecological engineering has a strong connection to the respective water circulation system. In this context, rain-water usage will play an important role. Building with green includes erosion prevention using living construction methods. Protection against erosion is an important aspect of the programme. For all topics, reference is made to the current guidelines from the Landscape Development and Landscaping Research Society (FLL). Efficiency of vegetation structures will be introduced and further examined through individual examples.

Learning objectives/outcomes At the end of the module, students will be able to utilise an advanced knowledge of ecological building in professional discourse.

Teaching and learning methods Introductions as systematic overview, short investigations/visits, workshops

Literature Köhler, M. (ed. 2012) *Handbuch Bauwerksbegrünung*. Rudolf Müller Verlag
 Dover, John, W. (ed. 2015). *Green Infrastructure*, Routledge,
 Weiler, S. and Scholz-Barth 2009: *Green roof systems*.

Further information Ken Yeang, (2006) *Ecodesign*. Wiley, Hoboken, NY
 Relevant guidelines from the Landscape Development and Landscaping Research Society (FLL)

LGM.20.015 Landscape Architecture in International Comparison

Version 13 May 2020
 Module title (German) Landschaftsarchitektur im internationalen Vergleich
 Responsible Prof. Dr Elke Mertens
 Credits 6

Degree programmes LGM Landscape Studies and Greenspace Management Version 2020
 Elective module in the 1st semester (2-semester Master's, Path A)
 Elective module in the 2nd semester (4-semester Master's, Path B)

Frequency and length Starts every winter semester, one semester in length

Prerequisites None

Requirements for the award of credits

Marking and weighting A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.

Assessments AP Alternative assessment, portfolio

Assessment prerequisites None

Courses and hours

I	LGM.20.015.1	Landscape Architecture in International Comparison Seminar, 4 hours per week	64 h
II		Independent preparation and revision, including preparation for assessment	116 h
			Total: 180 h

Lecturer Prof. Dr Elke Mertens

Language of instruction English

Content - development of landscape architecture in selected countries,
 - education in landscape architecture in countries in and outside of Europe,
 - professional practice in the current field of landscape architecture in selected countries,
 - landscape architecture in the context of current issues,
 - evaluation of open spaces in the country-specific context, comparative assessment of open spaces in the international context,
 - scientific handling and visualisation of comparisons.

Learning objectives/outcomes At the end of the module, students have the ability to analyse and evaluate plans in the context of cultural and country-specific characteristics. They have an advanced understanding for international cooperation in the design process and the ability to independently contribute to international planning projects.

Teaching and learning methods Seminar

Literature

- Booth, Norman K., Hiss, James E: Residential landscape architecture: design process for the private residence, New York, 2018, Pearson
Technische Universität München: out there, landscape architecture on global terrain, Berlin, 2017, Hatje Cantz Verlag
- Mertens, Elke: Visualizing Landscape Architecture, Basel, 2010, Birkhäuser
- Petrow, Constanze A.: Kritik zeitgenössischer Landschaftsarchitektur: städtische Freiräume im öffentlichen Diskurs, Münster, 2013, Waxmann

LGM.20.016 Visualization and Data Modelling

Version 13 May 2020
Module title (German) Visualisierung und Datenmodellierung
Responsible Dean
Credits 6

Degree programmes LGM Landscape Studies and Greenspace Management Version 2020
Elective module in the 1st semester (2-semester Master's, Path A)
Elective module in the 1st/2nd semester (4-semester Master's, Path B)

Frequency and length Starts every winter semester and (in the case of sufficient demand) every summer semester, one semester in length

Prerequisites Recommended: a basic understanding of and ability to use the CAD software VectorWorks and image-editing software (preferably the Adobe Suite).

Requirements for the award of credits

Marking and weighting A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.

Assessments AP Alternative assessment, portfolio

Assessment prerequisites None

Courses and hours

I	LGM.20.016.1	Visualization and Data Modelling Lecture, 1 hour per week	16 h
II	LGM.20.016.2	Visualization and Data Modelling Seminar, 1 hour per week	16 h
III	LGM.20.016.3	Visualization and Data Modelling Workshop, 2 hours per week	32 h
IV		Independent preparation and revision, including preparation for assessment	116 h
			Total: 180 h

Lecturer Dipl.-Ing. Jens Rupprecht

Language of instruction English

Content
Visualization
Advanced concepts of 3D-modelling and work with intelligent objects, such as from digital terrain models, plants, covering structures etc.; incorporation of GIS; creation of analytical plans; animation and lighting simulation, use of image-editing programmes for postprocessing; implementation in VR/AR.

Data modelling
Creation and use of tables, list, databases, Building Information Modelling (BIM) methods, operating principles, exchange formats, data transmission and use/incorporation in other programmes.

Software
VectorWorks (D/EN), SketchUp (D/EN), Cinema4D (D), AdobePhotoshop (D), ArcGIS (D), Solibri (D/EN)

Learning objectives/outcomes
Visualization
Students are able to create well-founded 3D models, incorporating external plan data, to make analytical observations and to present these in convincing visualizations.

Data modelling

Students can work confidently with various data structures and are able to create and manage database links in CAD and use them for interdisciplinary cooperation with other people involved in the project.

Teaching and learning methods

- lectures with short presentations of key points using Powerpoint slides and classroom lectures on the computer,
- knowledge building through the exploration of topics in seminars,
- practical implementation and application in workshops,
- independent work after thorough briefing, either individually or in groups,
- incorporation of e-learning methods.

Literature

Landscape Institute: *BIM for Landscape*, Abingdon/New York, 2015, Taylor and Francis.

Jillian Walliss / Heike Rahmann: *Landscape Architecture and Digital Technologies: Re-conceptualising design and making*, Abingdon/New York, 2015, Taylor and Francis.

Bradley E. Cantrell / Justine Holzman: *Responsive Landscapes: Strategies for Responsive Technologies in Landscape Architecture*, Abingdon/New York, 2015, Taylor and Francis.

Nadia Amorosso: *Representing Landscapes: Digital*, Abingdon/New York, 2015, Taylor and Francis.

Bradley E. Cantrell / Wes Michaels: *Digital Drawing for Landscape Architecture*. New Jersey, 2015, Wiley.

Carl Steinitz, *A framework for Geodesign: Changing Geography by Design*, Redlands, 2015, Esri.

William R. Miller, *Introducing Geodesign: The Concept*, Esri 2012.

LGM.20.017 International Seminar in Landscape Architecture

Version 13 May 2020
Module title (German) Internationales Seminar zur Landschaftsarchitektur
Responsible Prof. Dr Elke Mertens
Credits 6

Degree programmes LGM Landscape Studies and Greenspace Management Version 2020
Elective module, semester depending on availability

The module is only offered if students from the Neubrandenburg University of Applied Sciences take part and the online teaching is ensured or replaced by equivalent classroom teaching.

Frequency and length Depending on availability, in the winter or summer semester, one semester in length

Prerequisites None

Requirements for the award of credits

Marking and weighting A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.

Assessments AP Assessment based on specifications of the module provider and recognition by the faculty member responsible for the module.

Assessment prerequisites None

Courses and hours

I	LGM.20.017.1	International Seminar in Landscape Architecture Online classes, Seminar, 2 hours per week	32 h
II	LGM.20.017.2	International Seminar in Landscape Architecture Tuition in seminars (attendance time, own presentations), 2 hours per week	32 h
III		Independent preparation and revision, including preparation for assessment	116 h
			Total: 180 h

Lecturer Prof. Dr Elke Mertens, external lecturers, online and direct access

Language of instruction English

Content Students acquire an advanced knowledge of the implementation of European guidelines, such as guidelines from the European Landscape Convention and the resulting strategies for international cooperation on the issue of landscape. The choice of subjects is in accordance with the EU funding guidelines for international cooperation. In addition, students acquire an interdisciplinary understanding of the political dimension of the topic and develop possibilities for independent action.

Learning objectives/outcomes Students are given the opportunity to build a network beyond the Neubrandenburg University of Applied Sciences and understand the mode of action and advantages of international cooperation, as well as their organisational structure for international cooperation on the issue of landscape.

Teaching and learning methods Online seminar with some classroom tuition in seminars

Literature Shall be announced by the responsible individual at the beginning of the course.

-	Module from Another Course (at Neubrandenburg Univ. o. A. S.)		
Version	13 May 2020		
Module title (German)	Modul eines anderen Studiengangs der Hochschule Neubrandenburg		
Responsible	All lecturers		
Credits	6		
Degree programmes	LGM	Landscape Studies and Greenspace Management	Version 2020
		Elective module in the 1st semester (2-semester Master's, Path A)	
		Elective module in the 1st/2nd semester (4-semester Master's, Path B)	
Frequency and length	See description of module		
Prerequisites	Upon request by a student, the Examination Board can allow one of the "Elective Modules" required in the degree programme to be replaced by a module from a different Master's programme at the Neubrandenburg University of Applied Sciences, under the condition that it is worth at least 6 credits.		

Requirements for the award of credits

Marking and weighting	A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.
Assessments	See description of module
Assessment prerequisites	See description of module

Courses and hours

See description of module

Total: 180 h

Lecturer	See description of module
Language of instruction	English or other language, depending on course
Content	See description of module
Learning objectives/outcomes	See description of module For the degree programme in Landscape Studies and Greenspace Management, there is a possibility to learn about the learning and working practices of other degree programmes. In this context, students can also expand and critically reflect on the possibilities associated with their own approach. This offers the opportunity to learn creative, technical or scientific working methods that differ from those taught in the modules offered in the Landscape Studies and Greenspace Management programme and to supplement one's skills.
Teaching and learning methods	See description of module
Literature	See description of module
Further information	-

GGI.19.045**Management in Business and Authorities**

Version 13 May 2020
 Module title (German) Management in Unternehmen und Behörden
 Responsible Prof. Dr-Ing. Sven Brämer
 Credits 6

Degree programmes LGM Landscape Studies and Greenspace Management Version 2019
 Elective module in the 1st semester (2-semester Master's, Path A)
 Elective module in the 2nd semester (4-semester Master's, Path B)

GGI Master's programme Geodesy and Geoinformatics
 Elective module in the 1st/2nd semester

Frequency and length Starts every winter semester, one semester in length

Prerequisites None

Requirements for the award of credits

Marking and weighting A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.

Assessments SCH Proctored written examination (Klausur), 120 minutes in length

Assessment prerequisites Accepted preparation of an independent project

Courses and hours

I	GGI.19.045.1	Companies and Public Authorities Lecture, 2 hour per week	32 h
II	GGI.19.045.2	Companies and Public Authorities Workshop, 2 hours per week	32 h
III		Independent Project	20 h
IV		Independent preparation and revision, including preparation for assessment	96 h
			Total: 180 h

Lecturer Prof. Dr-Ing. Sven Brämer

Language of instruction English

Content Activities of companies and public authorities in society, legal environment, services offered, service provision, product lifecycle management, mission, vision, strategy, tactics, operational business, controlling, quality management, risk management, certification, validation, verification, accreditation, liability issues, data privacy, personnel management, international management, response patterns to major disruptions

Learning objectives/outcomes Students acquire advanced knowledge and fundamental skills that will be associated with the assumption of management responsibilities in future roles. They are confronted with the typical complexity of decisions in companies and government offices. Initiative and team skills are promoted through project work. Instead of teaching ready-made solutions, the course will offer students the opportunity to research and develop modern management methods.
 After completing the module, students will be able to:
 - develop options for strategic and operational decisions associated with company and governmental policy.
 - critically estimate risks and recommend mitigation methods.
 - take advantage of scopes for action, even in cases of major disruptions or a lack of information.

Teaching and learning methods	Lecture using the board and a projector for introducing contents Exercises with concrete examples for practical implementation Guided self-study for preparation and revision Completion and presentation of an independent project
Literature	Directives of the European Union, relevant to the topic ISO 9001, various Certification Standards, current versions General Data Protection Regulation EU, current version ISO 31000, current version Additional literature will be announced in the lecture (current research articles etc.)
Further information	-

GGI.19.008 Spatial Data Infrastructure

Version	13 May 2020
Module title (German)	Geodateninfrastruktur
Responsible	TBA
Credits	6
Degree programmes	LGM Landscape Studies and Greenspace Management Version 2019 Elective module in the 1st semester (4-semester Master's, Path B)
	GGI Master's programme Geodesy and Geoinformatics Elective module in the 1st/2nd semester
Frequency and length	Starts every summer semester, one semester in length
Prerequisites	None

Requirements for the award of credits

Marking and weighting	A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.
Assessments	M Oral examination, 30 minutes in length
Assessment prerequisites	Paper

Courses and hours

I	GGI.19.008.10	Spatial Data Infrastructure Lecture, 2 hour per week	32 h
II	GGI.19.008.20	Spatial Data Infrastructure Workshop, 2 hours per week	32 h
III		Independent preparation and revision	116 h
			Total: 180 h

Lecturer	TBA
Language of instruction	English
Content	Composition and structure, norms and standards, networks, responsibilities, access rights Structure of a small system, study of sources, collection of spatial and factual data, design of a data portal, client-server connection to databases over networks
Learning objectives/outcomes	The students are familiar with the concept of spatial data infrastructure (SDI) and its implementation at European, national, state and municipal level. They know the norms and standards that apply to SDI and are able to apply them. Students know the SDIs that are operated in the state of Mecklenburg-Vorpommern and how to use the important software solutions for SDI. Students are able to administer a municipal spatial data portal, connect and disconnect database servers (in particular professional database servers), programme minor query functions and grant user rights.
Teaching and learning methods	The standard teaching aids will be used for the lectures, including the internet. The practical work experience takes place at the computer and includes the merging of multiple data sources.
Literature	Kresse, Wolfgang, Danko, David: Handbook of Geographic Information, Heidelberg, 2012, Springer.

Mitchell, Tyler, Emde, Astrid, Christl, Arnulf: Web-Mapping mit Open Source-GIS-Tools, Sebastopol (CA, USA), 2008, O'Reilly.

Lupp, Markus: Web Map Service Implementation Specification (WMS), Open Geospatial Consortium-Dokument 05-078r4, 2007.

Vretanos, Peter: Web Map Feature Service Implementation Specification (WFS), Open Geospatial Consortium-Dokument 04-094, 2004.

Further information

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GGI.19.017**GI-Technologies**

Version 13 May 2020
 Module title (German) GI-Technologien
 Responsible Prof. Dr-Ing. Ralf Löwner
 Credits 6

Degree programmes LGM Landscape Studies and Greenspace Management Version 2019
 Elective module in the 1st semester (2-semester Master's, Path A)
 Elective module in the 1st/2nd semester (4-semester Master's, Path B)

GGI Master's programme Geodesy and Geoinformatics
 Elective module in the 1st/2nd semester

Frequency and length Starts every winter semester and (in the case of sufficient demand) every summer semester, one semester in length

Prerequisites None

Requirements for the award of credits

Marking and weighting A mark is awarded for the module. The extent to which the module mark is taken into consideration for the calculation of the overall mark for the degree is specified in the respective Assessment Overview.

Assessments AHA Project report, 15 pages in length with presentation, 15 minutes in length (weighting 50%)
 and
 M Oral examination, 30 minutes in length (weighting 50%)

Assessment prerequisites None

Courses and hours

I	GGI.19.017.1	GI-Technologies Lecture, 1 hour 15 minutes per week	20 h
II	GGI.19.017.2	GI-Technologies Workshop, 2 hours 15 minutes per week	36 h
III		Papers	20 h
IV		Independent preparation and revision, including preparation for assessment	104 h
			Total: 180 h

Lecturer Prof. Dr-Ing. Ralf Löwner

Language of instruction English

Content Overview of current trends and developments in the field of geoinformatics (mobile GIS, internet GIS, open source and open GIS); use of these technologies in various land management systems; the workshops consist of projects from various fields, such as land-use management, risk management, agriculture, urban development, development cooperation, health management, tourism, resource planning, geology, archaeology and road research.

Learning objectives/outcomes Students understand current GI developments and have applied them in various practical application areas.

Teaching and learning methods The basic theoretical principles for the respective application are discussed in the lectures and applied in the workshops;

the University's e-learning platform is used for giving assignments, sharing supplementary information and grading practical work. The practical work experience takes place at the computer and includes the merging of multiple data sources.

Literature

Bill, R.: *Grundlagen der Geo-Informationssysteme*. Wichmann Verlag, 5th edition 2010;

Konecny: *Geographic Information and Cartography for Risk and Crisis Management: Towards Better Solutions* (Lecture Notes in Geoinformation and Cartography), Springer, 2012

Ramm F., Topf J.: *OpenStreetMap: Die freie Weltkarte nutzen und mitgestalten*. Lehmanns Media Verlag, 3rd edition, 2010;

Current editions of the respective literature and developments associated with the topics covered.

Further information

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