Directory of Modules

zu der Prüfungs- und Studienordnung für den konsekutiven Master-Studiengang "Digital Humanities" (Amtliche Mitteilungen I Nr. X/2021 S. X)

This is a translation of the directory of modules as promulgated in Official Bulletin II No.17, p. 12858, dated September 17, 2021.Only those regulations published by the Georg-August-Universität Göttingen in its Official Bulletins are legally binding. Any claims to rights or titles resulting from the English translation of these regulations are expressly excluded.

Modules

Table of Contents

Table of Contents

Index by areas of study

I. Consecutive Master's degree programme "Digital Humanities"

A total of 120 C must be collected.

1. Subject-specific Degree Programme for a total of 78 C

a. Compulsory Modules

The following compulsory modules worth a total of 12 C have to be completed successfully:

b. Elective Compulsory Modules

Elective compulsory modules worth a total of at least 66 C have to be completed successfully according to the following regulations.

aa. Elective Compulsory Modules I

Modules worth a total of at least 45 C have to be completed successfully, including one theory module (M.DH.10-15) and one research project (M.DH.20a-25a).

bb. Elective Compulsory Modules II – Applied Informatics

Two of the following modules worth a minimum of 11 C have to be completed successfully from the field of Applied Informatics:

cc. Elective Compulsory Modules III – Applied Studies

Two of the following modules worth a minimum of 10 C have to be completed, from any other field within the humanities.

Instead of the modules listed below, other modules (alternative modules) can be chosen according to the following regulations and procedures. Requirements for consideration of an alternate module are:

i. Written application submitted to the Dean of Studies of the Faculty of Humanities before attending the course;

ii. Approval of the Dean of Studies of the faculty or teaching unit offering the course.

The decision on approval of the application is made by the Dean of Studies of the Faculty of Humanities. The Dean will obtain a statement from the teachers of the programme the student is enrolled in as to the purposefulness and usefulness of the alternative module before a decision is made. The application can be rejected for any reason and there is no legal claim by the student. Already completed modules cannot be considered as alternative modules.

c. Area of Professionalisation

Modules which are part of the approved selection of key competences have to be completed successfully worth a total of 12 C. Special reference is made to the range of courses offered in the area of key competencies (see II, No. 1 below).

d. Master's Thesis

Students can earn 30 C by successfully completing their master's thesis.

2. Subject-specific Degree Programme for a total of 42 C

a. Compulsory Modules

The following two modules worth 10 C have to be completed successfully:

b. Elective Compulsory Modules

Elective compulsory modules worth a total of at least 32 C have to be completed successfully according to the following regulations.

aa. Elective Compulsory Modules I

Modules worth a total of at least 27 C have to be completed successfully, including one theory module (M.DH.10-15) and one research project (M.DH.20b-25b).

bb. Elective Compulsory Modules II – Applied Informatics

One of the following modules worth a minimum of 5 C needs to be completed from the field of Applied Informatics:

c. Subject-external Module Package

Students must successfully complete an approved subject-external module package worth a total of 36 C or two approved subject-external module packages worth a total of 18 C each.

d. Area of Professionalisation

Modules which are part of the approved selection of key competences have to be completed successfully worth a total of 12 C. Special reference is made to the range of courses offered in the area of key competencies (see II, No. 1 below).

e. Master's Thesis

Students can earn 30 C by successfully completing their master's thesis.

II. Elective Modules in the field of "Digital Humanities"

1. Elective Modules for students in the Master's degree programme „Digital Humanities"

The following modules can be completed by students in the Master's degree programme „Digital Humanities" as part of their key competence modules.

2. Elective Modules for students in other programmes

The following modules can be completed by students of other programmes as part of their key competence modules.

Table of Contents

III. Module Package „Digital Humanities" for a total of 36 C

1. Admission Requirements

- completed coursework within Digital Humanities or a closely related field worth a total of at least 45 C

or

- completed coursework in the field of humanities, social sciences or information sciences (e.g. informatics, business informatics, computational linguistics, information sciences) worth at least 45 C **including** completed coursework in Digital Humanities or a closely related field (e.g. computational philology, digital archaeology) worth at least 18 C.

2. Elective Compulsory Modules

Elective modules worth at least 36 C, following the subsequent regulations, have to be completed successfully; modules that have been completed in a previous bachelor programme cannot be completed again.

a. Elective Compulsory Modules I

The following two modules worth at least 12 C have to be completed.

b. Elective Compulsory Modules II

Two of the following modules for a minimum of 18 C have to be completed, including one theory module (M.DH.10-15) and one research project (M.DH.20b-25b).

c. Elective Compulsory Modules III

At least one of the following modules worth a minimum of 6 C has to be completed.

Georg-August-Universität Göttingen **Module B.DH.01a: Introduction to Computational Text and Language Analysis**	6 C 4 WLH

Learning outcome, core skills: The students • have an overview of the essential objects and problems of computational philology and computational linguistics; • are able to assess the consequences and perspectives of digital text and language analysis; • know central questions of digital text and linguistics, relevant case studies and the most important tools for creating, managing and processing digital data (e.g. tools for linguistic analysis, OCR systems, corpus management tools).	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Self-learning units (Video tutorials, ILIAS course, Exercises)	4 WLH
Examination: Written examination (90 minutes), not graded **Examination prerequisites:** Successful participation in the ILIAS course **Examination requirements:** In the field of text and linguistics, students demonstrate knowledge of specific humanities questions, procedures and research results on the basis of digital data processing as well as the ability to comprehend and reflect on methods and theories in the digital humanities.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Caroline Sporleder Prof. Dr. Jörg Wesche
Course frequency: each semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1

Additional notes and regulations: The module B.DH.01a cannot be taken together with the module B.DH.01.

Georg-August-Universität Göttingen **Module B.DH.02a: Introduction to Digital Image and Artefact Science**	6 C 4 WLH

Learning outcome, core skills: The students - have an overview of the essential objects and problems of digital image and object science; - are able to assess the consequences and perspectives of digital image and object analysis; - know central questions of digital image and object science, relevant case studies and the most important tools for creating, managing and processing digital data (e.g. corpus formation, image processing, 3D acquisition, image and object databases, quantifying methods, virtual heritage).	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Self-learning units (Video tutorials, ILIAS course, Exercises)	4 WLH
Examination: Written examination (90 minutes), not graded **Examination prerequisites:** Successful participation in the ILIAS course **Examination requirements:** In the field of image and artefact sciences, students demonstrate knowledge of specific humanities questions, procedures and research results based on digital data processing, as well as the ability to comprehend and reflect on methods and theories in the Digital Humanities.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1

Additional notes and regulations: The module B.DH.02a cannot be taken together with the module B.DH.02.

Georg-August-Universität Göttingen	6 C
Module B.DH.03a: Introduction to Computer Programming	4 WLH

Learning outcome, core skills:	Workload:
The students • know the basic concepts and methods of a relevant programming language; • show basic competence in the formal description of typical problems in the humanities; • possess the ability to think algorithmically and to systematically develop automated processing strategies.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Self-learning units (Video tutorials, ILIAS course, Exercises)	4 WLH
Examination: Written examination (90 minutes), not graded **Examination prerequisites:** Successful participation in the ILIAS course **Examination requirements:** Students demonstrate practical knowledge of a relevant programming language (e.g. Python or Java).	6 C

Admission requirements: none	Recommended previous knowledge: none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1

Additional notes and regulations:
The module B.DH.03a cannot be taken together with the module B.DH.03.

Georg-August-Universität Göttingen **Module B.DH.04a: Foundations of Computer Science and Statistics**	6 C 4 WLH

Learning outcome, core skills: The students • can process text, image, spatial or time data and structure them in databases; • have the ability to evaluate these with regard to a given research problem by means of statistical procedures; • are able to assess the representativeness and relevance of the data for the research question; • are able to illustrate the results with the help of graphical representations.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Self-learning units (Video tutorials, ILIAS course, Exercises)	4 WLH
Examination: Written examination (90 minutes), not graded **Examination prerequisites:** Successful participation in the ILIAS course **Examination requirements:** Students demonstrate basic knowledge in the area of quantifying methods (statistics, databases and data visualisation) and are able to statistically process humanities data in selected case studies.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1

Additional notes and regulations: The module B.DH.04a cannot be taken together with the module B.DH.04.

Georg-August-Universität Göttingen **Module B.DH.05a: Digital Humanities Tools**	6 C 4 WLH

Learning outcome, core skills: The students • are familiar with important standard tools of the digital humanities that concern the creation, management and processing of digital data in the humanities (e.g. in the field of text capture, image processing, databases, CAD, GIS, statistics and evidence in the humanities, knowledge representation); • have initial experience of working with large amounts of material, metadata, controlled vocabulary systems and mark-up languages in existing corpora and databases; • are able to familiarise themselves with the specific requirements of data management and processing in the humanities.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Self-learning units (Video tutorials, ILIAS course, Exercises)	4 WLH
Examination: Written examination (90 minutes), not graded **Examination prerequisites:** Successful participation in the ILIAS course **Examination requirements:** The students demonstrate the ability to apply selected tools of the Digital Humanities and to reflect on them in approaches. In doing so, they demonstrate knowledge of the specific requirements of the humanities in data management and processing.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1

Additional notes and regulations: The module B.DH.05a cannot be taken together with the module B.DH.05.

Georg-August-Universität Göttingen **Module B.DH.51: Programming and Digital Modelling**	9 C 3 WLH

Learning outcome, core skills: The students - expand their programming knowledge with a practical example; - can use digital technologies to model research questions from the humanities; - are able to modify established tools; - know simple data structures and their suitability in typical application situations; - can implement simple algorithms programmatically; - analyse the correctness of simple algorithms and evaluate simple algorithms and problems with regard to the given problem; - can present their project and show independently the advantages and weaknesses of their approach.	**Workload:** Attendance time: 42 h Self-study time: 228 h

Course: Project	2 WLH
Examination: Project report (max. 15 pages) **Examination prerequisites:** Completion of a small digital project **Examination requirements:** Students demonstrate in-depth knowledge of a programming language or a digital tool of the Digital Humanities and possess the ability to practically apply this to a specific research object.	6 C

Course: Colloquium (Colloquium)	1 WLH
Examination: Oral Presentation (approx. 20 minutes) **Examination requirements:** Students demonstrate that they are capable of presenting a completed project in an appropriate manner to a broader audience and explain the research question and the relevance of the topic. They are also able to discuss and defend the theses that have been put forward.	3 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Caroline Sporleder Prof. Dr. Martin Langner
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 6
Maximum number of students: 25	

Georg-August-Universität Göttingen	9 C
Module B.DH.52: eHeritage	3 WLH

Learning outcome, core skills: The students - know basic technologies for digitisation, subject-specific indexing, metadata enrichment, storage and publication of cultural heritage objects; - are able to digitise objects of cultural heritage that are relevant for research, to make them accessible and to make them available to science; - can develop a digitisation concept for humanities data from the professional fields of library, archive or museum; - are able to assess the working conditions, processes and research interests of a cultural institution; - can critically engage with the computer-assisted maintenance and preparation of texts or products of visual and material culture; - can present their project and work out the advantages and weaknesses of their approach and independently.	**Workload:** Attendance time: 42 h Self-study time: 228 h

Course: Project	2 WLH
Examination: Project report (max. 15 pages) **Examination prerequisites:** Completion of a small digital project **Examination requirements:** Students demonstrate knowledge of common research questions, methods and results in the field of eHeritage, based on published or newly created research data, and have the ability to implement them in practice.	6 C

Course: Colloquium (Colloquium)	1 WLH
Examination: Oral Presentation (approx. 20 minutes) **Examination requirements:** Students demonstrate that they are capable of presenting a completed project in an appropriate manner to a broader audience and explain the research question and the relevance of the topic. They are also able to discuss and defend the theses that have been put forward.	3 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Caroline Sporleder Prof. Dr. Martin Langner
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 6

Maximum number of students: 25	

Georg-August-Universität Göttingen **Module B.DH.53: Digital Publishing**	3 C 2 WLH
Learning outcome, core skills: The students • know basic technologies for digitisation, subject indexing, metadata enrichment, storage and publication of texts; • are able to assess the working conditions, processes and research interests of a cultural institution; • can critically deal with the computer-based maintenance and preparation of texts and books.	**Workload:** Attendance time: 28 h Self-study time: 62 h

Course: Exercise or Summer School	2 WLH

Examination: Report (max. 5 pages) **Examination prerequisites:** Successful digital implementation of a set exercise task **Examination requirements:** Students demonstrate knowledge of common research questions, methods and results in the field of digital publishing. The students learn about digital publishing and have the ability to implement it in practice.	3 C

Admission requirements: none	Recommended previous knowledge: none
Language: German, English	**Person responsible for module:** Prof. Dr. Caroline Sporleder Prof. Dr. Martin Langner
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 6
Maximum number of students: 25	

Georg-August-Universität Göttingen	3 C
Module B.DH.54: Digital Lab	2 WLH

Learning outcome, core skills:	Workload:
The students • take part in an empirical research project; • know the associated digital survey and analysis techniques of quantitatively and qualitatively oriented empirical language, literature and media research; • are able to critically engage with the digital transformation of science and the framework conditions of digital change.	Attendance time: 28 h Self-study time: 62 h

Course: Project (participation in empirical research)	2 WLH
Examination: Project report (max. 15 pages) **Examination prerequisites:** Regular participation in an empirical research project **Examination requirements:** Students demonstrate knowledge of digital survey and analysis techniques in empirical research.	3 C

Admission requirements: none	Recommended previous knowledge: none
Language: German, English	**Person responsible for module:** Prof. Dr. Caroline Sporleder Prof. Dr. Martin Langner
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 6
Maximum number of students: 25	

Additional notes and regulations:
The module can also be acquired during the lecture-free period if offered.

Georg-August-Universität Göttingen **Module B.DH.55: Presenting and Representing Digital Content**	6 C 3 WLH

Learning outcome, core skills: The students • are able to communicate texts or products of visual and material culture to a wider audience; • can use digital technologies from the fields of XML and web science, elearning, gamification or digital museums for this purpose; • increase their digital media competence with a practical example; • can present their project and work out the advantages and weaknesses of their approach and independently.	**Workload:** Attendance time: 42 h Self-study time: 138 h

Course: Project	2 WLH
Examination: Project report (max. 10 pages) **Examination prerequisites:** Completion of a small digital project **Examination requirements:** Students demonstrate knowledge of common tools and methods for the digital communication of humanities content and have the ability to implement these in practice.	4 C

Course: Colloquium	1 WLH
Examination: Oral Presentation (approx. 15 minutes) **Examination requirements:** Students demonstrate that they are capable of presenting a completed project in an appropriate manner to a broader audience and explain the research question and the relevance of the topic. They are also able to discuss and defend the theses that have been put forward.	2 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Caroline Sporleder Prof. Dr. Martin Langner
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 6
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module B.DH.56: Digitisation and Society**	3 C 2 WLH

Learning outcome, core skills: Die Studierenden • wissen um den Einfluss digitaler Technologie auf individuelles Verhalten, Kommunikation, politische Entscheidungen und gesellschaftliche Prozesse; • können sich fundiert mit den Möglichkeiten, Chancen und Risiken der rasanten technologischen Entwicklung für den einzelnen Menschen und die Gesellschaft auseinandersetzen; • kennen historische Beispiele der Auswirkungen neuer Technologien auf gesellschaftliche Strukturen; • sind mit der ethischen und rechtlichen Dimension der Digitalisierung vertraut.	**Workload:** Attendance time: 28 h Self-study time: 62 h

Course: Seminar oder Summer School	2 WLH

Examination: Bericht (max. 5 Seiten) **Examination prerequisites:** regelmäßige Teilnahme am Seminar **Examination requirements:** Die Studierenden weisen Kenntnisse über die medialen und sozialen Qualitäten der Digitalsisierung und die Auswirkungen der technischen Entwicklungen auf Individuen, Personengruppen und die gesamte Gesellschaft nach.	3 C

Admission requirements: keine	**Recommended previous knowledge:** keine
Language: German, English	**Person responsible for module:** Prof. Dr. Caroline Sporleder Prof. Dr. Martin Langner
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 6
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module B.EP.202: Anglophone Literature and Culture II**	6 C 2 WLH

Learning outcome, core skills: • Studierende vertiefen erworbene Methoden- und Lernkompetenzen im Umgang mit literatur- und kulturhistorischen Texten und Epochen (z.B. komplexe Zusammenhänge epochenübergreifend erkennen und darstellen, epochenübergreifende Systematiken erkennen und beschreiben, Bewertungsmaßstäbe epochengerecht einsetzen) • Vertiefung der Fachkompetenzen im Hinblick auf die Analyse von und den Umgang mit literarischen Texten, kulturgeschichtlichen Zusammenhängen und Theoriekomplexen • Grundlegender Umgang mit literatur- und kulturwissenschaftlichen Forschungspositionen	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Vorlesung zur anglophonen Literatur- und Kulturgeschichte, zu einem Theorie- bzw. Themenkomplex (Lecture)	2 WLH
Course: Vertiefendes Selbststudium *Contents*: Der Selbststudienanteil dient dazu, Kernbereiche der gewählten Vorlesung vertieft zu bearbeiten. Dies können Primärtexte sein, zentrale Texte der Sekundärliteratur oder sonstige Materialien (z.B. Kunstgegenstände, außerliterarische Texte).	2 WLH

Examination: Written examination (90 minutes) **Examination prerequisites:** regelmäßige aktive Teilnahme mit nicht mehr als zwei entschuldigten Fehlsitzungen **Examination requirements:** • vertiefte Überblickskenntnisse zu einer literaturhistorischen Epoche, zu einem Theorie- bzw. Themenkomplex • sichere Beherrschung von Textanalyse- und Kontextualisierungsmethoden • Einordnung von Texten in literarische und kulturelle Zusammenhänge und Epochen	6 C

Admission requirements: none	**Recommended previous knowledge:** B.EP.01
Language: English	**Person responsible for module:** Prof. Dr. Barbara Schaff
Course frequency: each semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 6
Maximum number of students: not limited	

| Georg-August-Universität Göttingen | 6 C |
| Module B.EP.41: North American Literature and Culture III | 4 WLH |

Learning outcome, core skills:	Workload:
Die Studierenden - vertiefen erworbene Methoden- und Lernkompetenzen im Umgang mit literatur- und kulturhistorischen Texten und Epochen (z.B. komplexe Zusammenhänge epochenübergreifend erkennen und darstellen, epochenübergreifende Systematiken erkennen und beschreiben, Bewertungsmaßstäbe epochengerecht einsetzen). - vertiefen ihre Fachkompetenzen im Hinblick auf die Analyse von und den kulturwissenschaftlichen Umgang mit verschiedenen Texten sowie unter Berücksichtigung von forschungsorientierten Ansätzen. - vertiefen die kultur- und literaturgeschichtlichen Kenntnisse in der Amerikanistik durch intensives Epochenstudium. - beschreiben, analysieren und interpretieren ein kulturgeschichtliches Problem in forschungsorientierter Form (ggf. zur Vorbereitung einer Bachelorarbeit). - nutzen und verknüpfen dabei die bereits erworbenen Techniken literatur- und kulturwissenschaftlichen Arbeitens.	Attendance time: 56 h Self-study time: 124 h

| Course: Vorlesung zur amerikanischen Literatur- und Kulturgeschichte (Lecture) | 2 WLH |
| Course: Lehrveranstaltung zur amerikanischen Literatur | 2 WLH |

Examination: Hausarbeit (max. 3500 Wörter) oder Klausur (90 Minuten)	6 C
Examination prerequisites: regelmäßige aktive Teilnahme mit nicht mehr als zwei entschuldigten Fehlsitzungen, LV 2 außerdem: mündliche Leistung (Referat/Präsentation ca. 15 min.), ggf. 2-3 Quizzes (à ca.5-10 min.), oder kleinere schriftliche Hausaufgaben (insg. max. 750 Wörter) **Examination requirements:** sichere Beherrschung von Textanalyse- und Kontextualisierungsmethoden; Kenntnisse in der literaturhistorischen/kulturhistorischen Vernetzung von Texten und Autoren. Vertiefte Überblickskenntnisse zu einer literatur-/kulturhistorischen Epoch. Die Prüfungsleistung bezieht sich inhaltlich auf die Lehrveranstaltung. Studierenden, die eine BA-Arbeit im Bereich Nordamerikastudien planen, wird geraten, in diesem Modul die Hausarbeit zu wählen.	

Admission requirements: none	Recommended previous knowledge: B.EP.31
Language: English	Person responsible for module: Prof. Dr. Babette B. Tischleder
Course frequency: each semester	Duration: 1 semester[s]
Number of repeat examinations permitted:	Recommended semester:

twice	4 - 5
Maximum number of students: not limited	

Additional notes and regulations:

Die Prüfungsleistungen sind alternativ zu verstehen.

Studierende können zwischen einer Klausur in der Vorlesung und einer Hausarbeit in der Lehrveranstaltung wählen. Studierenden, die eine BA-Arbeit im Bereich Nordamerikastudien planen, wird geraten, in diesem Modul die Hausarbeit zu wählen.

Georg-August-Universität Göttingen	4 C
Module B.EP.T21: Additional Module: American Literature and Culture	2 WLH

Learning outcome, core skills:	**Workload:**
Erweiterung der grundlegenden literaturwissenschaftlichen Kenntnisse und Kompetenzen durch eine zusätzliche Lehrveranstaltung aus dem Angebot der Abt. für Nordamerikastudien. Die Studierenden - erwerben im Schwerpunkt grundlegende Methoden- und Lernkompetenzen im Umgang mit literatur- und kulturhistorischen Zusammenhängen (z.B. Strukturieren von Informationen und Zusammenhängen, Gliederung komplexer Zusammenhänge, selbständige Anwendung von Kenntnissen auf andere Texte). - vertiefen erworbene Methodenkompetenzen in der Analyse und Bewertung von einzelnen Texten. - vertiefen grundlegende Fachkompetenzen im Umgang mit Texten sowie literatur- und kulturhistorischen Zusammenhängen und entwickeln dadurch interkulturelle Kompetenz. - wenden die Methoden historisch-hermeneutischen Textverständnisses und systematisch-formaler Textanalyse an konkreten Beispielen an. - nutzen Techniken und Hilfsmittel literaturwissenschaftlicher Forschung.	Attendance time: 28 h Self-study time: 92 h

Course: Lehrveranstaltung zur amerikanischen Literatur	2 WLH
Examination: Take Home Exam (max. 3000 words) **Examination prerequisites:** s. Bemerkungsfeld extern **Examination requirements:** Sicherer Umgang mit dem gewählten Primärtext; erweiterte Grundkenntnisse im Umgang mit Sekundärliteratur; erweiterte Grundkenntnisse hinsichtlich Stil und Strukturierung wissenschaftlicher Arbeiten.	4 C

Admission requirements: none	**Recommended previous knowledge:** B.EP.01
Language: English	**Person responsible for module:** Prof. Dr. Babette B. Tischleder
Course frequency: each semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 6
Maximum number of students: not limited	

Additional notes and regulations:

Prüfungsvorleistungen:

regelmäßige akt.Teilnahme mit nicht mehr als zwei entschuldigten Fehlsitzungen; mündliche Leistung (Referat/Präsentation ca. 15 min.), 2-3 Quizzes (je 5-10 min.), oder kl. schriftliche Hausaufgaben (insg. max. 750 W) bzw. vergleichbare schriftl. Leistungen

Georg-August-Universität Göttingen	4 C
Module B.EP.T3Ang: Additional Module: Anglophone Literature and Culture	2 WLH

Learning outcome, core skills:	Workload:
Kompetenzen:	Attendance time:
Verbreiterung der grundlegenden literaturwissenschaftlichen Kenntnisse und Kompetenzen durch eine zusätzliche Lehrveranstaltung aus dem Angebot der Abt. für Anglistische Literatur- und Kulturwissenschaft. Studierende erwerben grundlegende Methodenkompetenzen im Umgang mit theoretischen Texten aus der Literaturwissenschaft. Sie vertiefen ihre Analysekompetenz durch den Vergleich von Herangehensweisen an verschiedene Textarten. Sie vertiefen darüber hinaus grundlegende Fachkompetenzen im Umgang mit Texten sowie literaturwissenschaftlichen Zusammenhängen.	28 h Self-study time: 92 h
Zentrale Inhalte:	
Beispielhafte Einübung der Methodik historisch-hermeneutischen Textverständnisses. Beispielhafte Einübung der Methodik systematisch-formaler Textanalyse. Einführung in Techniken und Hilfsmittel literaturwissenschaftlicher Forschung.	

Course: Lehrveranstaltung zur anglophonen Literatur- und Kulturgeschichte	2 WLH

Examination: Term Paper (max. 4000 words)	
Examination prerequisites:	
regelmäßige aktive Teilnahme mit nicht mehr als zwei entschuldigten Fehlsitzungen	

Examination requirements:	
sicherer Umgang mit dem gewählten Primärtext; Grundkenntnisse im Umgang mit Sekundärliteratur; Grundkenntnisse zu Aufbau und Stil wissenschaftlicher Arbeiten	

Admission requirements:	Recommended previous knowledge:
none	B.EP.01
Language:	**Person responsible for module:**
English	Prof. Dr. Barbara Schaff
Course frequency:	**Duration:**
each semester	1 semester[s]
Number of repeat examinations permitted:	**Recommended semester:**
twice	2 - 4
Maximum number of students:	
30	

Georg-August-Universität Göttingen	5 C
Module B.Inf.1235: Text Mining	3 WLH

Learning outcome, core skills:	Workload:
Die Studierenden • kennen die Terminologie des Text Mining und können Begriffe wie Korpus, Dokument und Index definieren. • kennen Methoden zur Text-Vorverarbeitung wie zum Beispiel Stemming • kennen verschiedene Repräsentationen von Text, zum Beispiel Bag of Words und Word Embeddings. • kennen grundlegende Information Retrieval und Rankingverfahren. • kennen Topic Modelling und können dies anwenden • kennen Methoden zum Clustering und zur Klassifikation von Dokumenten.	Attendance time: 42 h Self-study time: 108 h

Course: **Text Mining** (Lecture, Exercise)	3 WLH
Examination: Written or oral examKlausur (90 Min.) oder mündliche Prüfung (ca. 20 Min.) **Examination requirements:** Kenntnis von der Terminologie des Text Mining, Methoden zur Textvorverarbeitung, Repräsentationen von Text, Information Retrieval und Ranking verfahren, Topic Modelling, Clustering und Klassifikation von Dokumenten.	5 C

Admission requirements:	Recommended previous knowledge:
none	B.Inf.1131
Language:	**Person responsible for module:**
German	Prof. Dr. Caroline Sporleder
Course frequency:	**Duration:**
each summer semester	1 semester[s]
Number of repeat examinations permitted:	**Recommended semester:**
twice	
Maximum number of students:	
50	

Georg-August-Universität Göttingen	6 C
Module M.DH.01: Advanced Topics in Digital Humanities	4 WLH

Learning outcome, core skills:	**Workload:**
The students • have an overview of central methods and theories from one or more subject areas of the Digital Humanities; • are able to comprehend and discuss the scientific discussions about it; • are familiar with the complexity, heterogeneity or fuzziness of data in the humanities and the specific characteristics of the Digital Humanities; • know typical examples for the scientific categorisation of texts, persons, images and objects, ideas and processes and can relate them to each other; • can discuss, test and, if necessary, modify these approaches with regard to their applicability.	Attendance time: 56 h Self-study time: 124 h

Course: Lecture	2 WLH
Course: Seminar	2 WLH

Examination: Presentation (approx. 20 min.) with written elaboration (max. 10 pages) **Examination prerequisites:** Regular participation in the seminar **Examination requirements:** The students discuss research results of the Digital Humanities and have the ability to evaluate methods and theories and to modify them in approaches.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.DH.02: Digital Culture and Society**	6 C 4 WLH

Learning outcome, core skills: The students • know the current forms of dealing with digital content in their historical tradition and functional (e.g. museum) conditionality; • are able to critically discuss traditional, established and current research positions on digital cultural and media history; • can practically apply the research approaches discussed; • expand their basic didactic skills, e.g. through the development of e-learning components or AR or VR elements; • learn how to convey knowledge at the level of public-oriented digital forms of publication and presentation.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Seminar	2 WLH
Course: Exercise	2 WLH

Examination: Presentation (approx. 20 min.) with written elaboration (max. 10 pages) **Examination prerequisites:** Regular participation in the seminar as well as successful digital implementation of the given exercises. **Examination requirements:** Students discuss current forms of dealing with digital content and have the ability to evaluate methods and theories and to modify them in approaches. The examination is to be taken in the seminar.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.DH.02a: Digital Culture and Society**	4 C 4 WLH

Learning outcome, core skills: The students • know the current forms of dealing with digital content in their historical context; • tradition and functional (e.g. museum) conditionality; • are able to critically discuss traditional, established and current research positions on digital cultural and media history; • can practically apply the research approaches discussed; • expand e.g. through the development of e-learning components or AR or VR elements their basic didactic skills; • learn how to convey knowledge at the level of public-oriented digital forms of publication and presentation.	**Workload:** Attendance time: 56 h Self-study time: 64 h

Course: Seminar	2 WLH
Course: Exercise	2 WLH

Examination: Presentation (approx. 15 min.) with written elaboration (max. 8 pages) **Examination prerequisites:** Regular participation in seminar and exercise as well as successful digital implementation of the given exercises. **Examination requirements:** Students discuss current forms of dealing with digital content and have the ability to evaluate methods and theories and to modify them in approaches. The examination is to be taken in the seminar.	4 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each summer semester	**Duration:** 1 Semester
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.DH.10: Theories and Research Questions in Digital Language Analysis**	9 C 4 WLH

Learning outcome, core skills: The students • know the possibilities of comprehensive digital language development and analysis; • can analyse grammatical structures of a lexical, morphological, phonetic-phonological, syntactic, semantic and discursive nature of written or spoken language using digital means and are familiar with their use in linguistic and extralinguistic contexts (pragmatics and discourse); • possess the ability to answer humanities questions from the core areas of linguistics using computer-assisted methods; • are able to digitally model the specific characteristics of language and relate these to each other as well as to the extralinguistic context.	**Workload:** Attendance time: 56 h Self-study time: 214 h

Course: Seminar	2 WLH
Course: Exercise	2 WLH

Examination: Presentation (approx. 30 min.) with written elaboration (max. 15 pages) **Examination prerequisites:** Regular participation in the seminar and digital implementation of the exercises. **Examination requirements:** Students reflect on the results of specific linguistic research and have the ability to evaluate methods and theories and to modify them in approaches. The examination is to be taken in the seminar.	9 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Caroline Sporleder
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.DH.11: Theories and Research Questions in Digital Text Analysis**	9 C 4 WLH

Learning outcome, core skills:	Workload:
The students • know the possibilities of comprehensive digital text indexing, analysis and presentation; • have an overview of computer-assisted research questions from the whole spectrum of philological and cultural-historical disciplines, starting with the digitisation of data and the construction of suitable corpora for specific questions, through their manual and automatic preparation, to the selecting and applying appropriate methods of text analysis and the textminings as well as for the evaluation and presentation of the results; • are able to digitally acquire, analyse and model the specific characteristics of texts and text collections; • are able to evaluate the approaches used and to reflexively apply the analytical knowledge to themselves and their actions.	Attendance time: 56 h Self-study time: 214 h

Course: Seminar	2 WLH

Course: Exercise	2 WLH

Examination: Presentation (approx. 30 min.) with written elaboration (max. 15 pages) **Examination prerequisites:** Regular participation in the seminar as well as successful digital implementation of the given exercises. **Examination requirements:** Students reflect on the results of specific research in textual studies and have the ability to evaluate and modify methods and theories. The examination is to be taken in the seminar.	9 C

Admission requirements: none	Recommended previous knowledge: none
Language: English	**Person responsible for module:** Prof. Dr. Caroline Sporleder
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.DH.12: Theories and Research Questions in Digital Literature Analysis**	9 C 4 WLH

Learning outcome, core skills: The students - have an overview of methods and research questions in digital literary studies; - know computer-assisted procedures for indexing, processing, analysing and presenting literary works; - are also familiar with different forms of digital literature (such as fan fiction, collaborative fiction, computer-generated literary works or lay and expert reviews); - know possibilities of digital mediation between the texts and the historical or contemporary circumstances as well as the analysis of their meanings and have the ability to discuss these in a fundamental reflection on methods; - are able to evaluate the approaches used and to reflexively apply the analytical knowledge to themselves and their actions; - are able to digitally model the scientific categorisations of persons, texts, spaces, ideas or processes and relate them visually to each other.	**Workload:** Attendance time: 56 h Self-study time: 214 h

Course: Seminar	2 WLH
Course: Exercise	2 WLH

Examination: Presentation (approx. 30 min.) with written elaboration (max. 15 pages) **Examination prerequisites:** Regular participation in the seminar as well as successful digital implementation of the given exercises. **Examination requirements:** Students reflect on the results of specific research in literary studies and have the ability to evaluate and modify methods and theories. The examination is to be taken in the seminar.	9 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Caroline Sporleder
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.DH.13: Theories and Research Questions in Digital Image Analysis**	9 C 4 WLH

Learning outcome, core skills: The students - know the possibilities of a comprehensive digital image indexing and analysis, which includes not only colour, contrast and form but also the content and compositional structures contained in the images; - possess the ability to analyse humanities questions from the core areas of image and information science using computer-assisted methods; - are able to digitally model the specific characteristics of images and relate them to each other; - are able to evaluate the solution approaches used and to apply the analytical knowledge reflexively to themselves and their actions.	**Workload:** Attendance time: 56 h Self-study time: 214 h

Course: Seminar	2 WLH
Course: Exercise	2 WLH
Examination: Presentation (approx. 30 min.) with written elaboration (max. 15 pages) **Examination prerequisites:** Regular participation in the seminar as well as successful digital implementation of the given exercises. **Examination requirements:** The students reflect on the results of specific research in the field of image science and have the ability to evaluate methods and theories and to modify them in approaches.	9 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.DH.14: Theories and Research Questions in Digital Object Analysis / Materiality**	9 C 4 WLH

Learning outcome, core skills: The students • know the possibilities of comprehensive digital material indexing and analysis, which, in addition to the form, also includes the properties with regard to their materiality and formal variability of an object and its inherent possibilities of use; • possess the ability to analyse research topics from the humanities from the core areas of object and information science with computer-assisted methods; • are able to digitally model the specific characteristics of objects and their shape and relate them to each other; • are able to evaluate the approaches used and to reflexively apply the analytical knowledge to themselves and their actions.	**Workload:** Attendance time: 56 h Self-study time: 214 h

Course: Seminar	2 WLH
Course: Exercise	2 WLH

Examination: Presentation (approx. 30 min.) with written elaboration (max. 15 pages) **Examination prerequisites:** regRegular participation in the seminar as well as successful digital implementation of the given exercises. **Examination requirements:** The students reflect on the results of specific object science research and have the ability to evaluate methods and theories and to modify them in approaches.	9 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.DH.15: Theories and Research Questions in Digital Spatial Analysis**	9 C 4 WLH

Learning outcome, core skills: The students • have in-depth knowledge of the theory and application of geoinformation systems (GIS) and digital building surveys; • possess the ability to analyse research topics from the humanities from the core areas of geosciences and information science using computer-based methods; • are able to digitally model the specific characteristics of buildings and topographical features and their form and relate them to each other; • are able to evaluate the approaches used and to reflexively apply the analytical knowledge to themselves and their actions.	**Workload:** Attendance time: 56 h Self-study time: 214 h

Course: Seminar	2 WLH
Course: Exercise	2 WLH

Examination: Presentation (approx. 30 min.) with written elaboration (max. 15 pages) **Examination prerequisites:** Regular participation in the seminar as well as successful digital implementation of the given exercises. **Examination requirements:** The students reflect on the results of specific research in image and object science on the contextuality of things and have the ability to evaluate methods and theories and to modify them in approaches. The examination is to be taken in the seminar.	9 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.DH.16: Digital Analysis of Historical Contexts**	9 C 4 WLH

Learning outcome, core skills: The students - can integrate pictorial works and objects into their contexts of use, the historical discourse or the modern research situation; - know possibilities of digital mediation between the "silent" artefacts and the historical or contemporary circumstances; - possess the ability to analyse the significance of historical contexts with digital methods and to discuss them in a fundamental reflection on methods; - are able to digitally model the scientific categorisations of people, images and objects, spaces, ideas or processes and relate them visually to each other; - are able to evaluate the approaches used and to reflexively apply the analytical knowledge to themselves and their actions.	**Workload:** Attendance time: 56 h Self-study time: 214 h

Course: Seminar	2 WLH
Course: Exercise	2 WLH

Examination: Presentation (approx. 30 min.) with written elaboration (max. 15 pages) **Examination prerequisites:** Regular participation in the seminar as well as successful digital implementation of the given exercises. **Examination requirements:** The students reflect on the results of specific research in image and object science on the contextuality of things and have the ability to evaluate methods and theories and to modify them in approaches. The examination is to be taken in the seminar.	9 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen	12 C
Module M.DH.20a: Research Project Digital Language Analysis	2 WLH

Learning outcome, core skills:	**Workload:**
The students • are able to work on a complex research question from the field of linguistics with the help of digital technologies, e.g. to carry out a linguistic analysis of internet documents (such as tweets); • have the ability to reflect on the possibilities and limitations of the methods used in the development of a digital solution; • are able to utilise digital technologies to enhance the critical discussion on language, text and literature asking new kinds of questions about traditional research topics; • have the ability to subdivide complex tasks into subtasks and to find multifaceted solutions (in a team).	Attendance time: 28 h Self-study time: 332 h

Course: Project	1 WLH
Examination: Project work (max. 10 pages of project documentation) **Examination requirements:** Students create digital content that prepares, evaluates and presents the results of linguistic research. In doing so, they demonstrate that they can evaluate relevant methods and theories and modify them to some extent. The project work comprises 270 hours of self-study and concludes with a project documentation (max. 10 pages).	6 C

Course: Colloquium	1 WLH
Examination: Oral Presentation (approx. 30 minutes) **Examination requirements:** Students demonstrate that they are capable of presenting a completed project in an appropriate manner to a broader audience and explain the research question and the relevance of the topic. They are also able to discuss and defend the theses that have been put forward.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each summer semester	**Duration:** 1 Semester
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.DH.20b: Project Digital Language Analysis**	9 C 2 WLH

Learning outcome, core skills: The students • are able to work on a research question from the field of linguistics with the help of digital technologies, e.g. to analyse language documents or to visualise historical references of reception; • have the ability to reflect on the possibilities and limitations of the methods used in the development of a digital solution; • are able to utilise digital technologies to enhance the critical discussion on language, text and literature asking new kinds of questions about traditional research topics; • have the ability to subdivide complex tasks into subtasks and to find multifaceted solutions (in a team).	**Workload:** Attendance time: 28 h Self-study time: 242 h

Course: Project	1 WLH
Examination: small project work (max. 5 pages of project documentation) **Examination requirements:** Students create digital content that prepares, evaluates and presents the results of linguistic research. In doing so, they demonstrate that they can evaluate relevant methods and theories and modify them to some extent. The project work comprises 180 hours of self-study and concludes with a project documentation (max. 5 pages).	6 C

Course: Colloquium	1 WLH
Examination: Oral Presentation (approx. 20 minutes) **Examination requirements:** Students demonstrate that they are capable of presenting a completed project in an appropriate manner to a broader audience and explain the research question and the relevance of the topic. They are also able to discuss and defend the theses that have been put forward.	3 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Caroline Sporleder
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.DH.21a: Research Project Digital Text Analysis**	12 C 2 WLH

Learning outcome, core skills: The students • are able to work on a complex research question from the field of textual studies with the help of digital technologies, e.g. to develop a procedure for the digitisation of historical documents; • have the ability to reflect on the possibilities and limitations of the methods used in the development of a digital solution; • are able to utilise digital technologies to enhance the critical discussion on language, text and literature asking new kinds of questions about traditional research topics; • have the ability to subdivide complex tasks into subtasks and to find multifaceted solutions (in a team).	**Workload:** Attendance time: 28 h Self-study time: 332 h

Course: Project	1 WLH
Examination: Project work (max. 10 pages of project documentation) **Examination requirements:** Students create digital content that prepares, evaluates and presents the results of linguistic research. In doing so, they demonstrate that they can evaluate relevant methods and theories and modify them to some extent. The project work comprises 270 hours of self-study and concludes with a project documentation (max. 10 pages).	6 C

Course: Colloquium	1 WLH
Examination: Oral Presentation (approx. 30 minutes) **Examination requirements:** Students demonstrate that they are capable of presenting a completed project in an appropriate manner to a broader audience and explain the research question and the relevance of the topic. They are also able to discuss and defend the theses that have been put forward.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each winter semester	**Duration:** 1 Semester
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen	9 C
Module M.DH.21b: Project Digital Text Analysis	2 WLH

Learning outcome, core skills:	**Workload:**
The students • are able to work on a research question from the field of textual studies with the help of digital technologies, e.g. to analyse a text corpus or to visualise historical references of reception; • have the ability to reflect on the possibilities and limitations of the methods used in the development of a digital solution; • are able to utilise digital technologies to enhance the critical discussion on language, text and literature asking new kinds of questions about traditional research topics; • have the ability to subdivide complex tasks into subtasks and to find multifaceted solutions (in a team).	Attendance time: 28 h Self-study time: 242 h

Course: Project	1 WLH
Examination: small project work (max. 5 pages of project documentation) **Examination requirements:** Students create digital content that prepares, evaluates and presents the results of textual research. In doing so, they demonstrate that they can evaluate relevant methods and theories and modify them to some extent. The project work comprises 180 hours of self-study and concludes with a project documentation (max. 5 pages).	6 C

Course: Colloquium	1 WLH
Examination: Oral Presentation (approx. 20 minutes) **Examination requirements:** Students demonstrate that they are capable of presenting a completed project in an appropriate manner to a broader audience and explain the research question and the relevance of the topic. They are also able to discuss and defend the theses that have been put forward.	3 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Caroline Sporleder
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.DH.22a: Research Project Digital Literature Analysis**	12 C 2 WLH

Learning outcome, core skills: The students • are able to work on a complex research question from the field of literary studies with the help of digital technologies, e.g. to analyse a literary genre stylometrically; • have the ability to reflect on the possibilities and limitations of the methods used in the development of a digital solution; • are able to utilise digital technologies to enhance the critical discussion on language, text and literature asking new kinds of questions about traditional research topics; • have the ability to subdivide complex tasks into sub-tasks and to find multifaceted solutions (in a team).	**Workload:** Attendance time: 28 h Self-study time: 332 h

Course: Project	1 WLH
Examination: Project work (max. 10 pages of project documentation) **Examination requirements:** Students create digital content that prepares, evaluates and presents the results of research in literary studies. In doing so, they demonstrate that they can evaluate and modify the relevant methods and theories. The project work comprises 270 hours of self-study and concludes with a project documentation (max. 10 pages).	6 C

Course: Colloquium	1 WLH
Examination: Oral Presentation (approx. 30 minutes) **Examination requirements:** Students demonstrate that they are capable of presenting a completed project in an appropriate manner to a broader audience and explain the research question and the relevance of the topic. They are also able to discuss and defend the theses that have been put forward.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each summer semester	**Duration:** 1 Semester
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen	9 C
Module M.DH.22b: Project Digital Literature Analysis	2 WLH

Learning outcome, core skills:	**Workload:**
The students • are able to work on a research question from the field of literary studies with the help of digital technologies, e.g. to analyse a literary corpus or to visualise historical references of reception; • have the ability to reflect on the possibilities and limitations of the methods used in the development of a digital solution; • are able to utilise digital technologies to enhance the critical discussion on language, text and literature asking new kinds of questions about traditional research topics; • have the ability to subdivide complex tasks into subtasks and to find multifaceted solutions (in a team).	Attendance time: 28 h Self-study time: 242 h

Course: Project	1 WLH
Examination: small project work (max. 5 pages of project documentation) **Examination requirements:** Students create digital content that prepares, evaluates and presents the results of research in literary studies. In doing so, they demonstrate that they can evaluate and modify the relevant methods and theories. The project work comprises 180 hours of self-study and concludes with a project documentation (max. 5 pages).	6 C

Course: Colloquium (Colloquium)	1 WLH
Examination: Oral Presentation (approx. 20 minutes) **Examination requirements:** Students demonstrate that they are capable of presenting a completed project in an appropriate manner to a broader audience and explain the research question and the relevance of the topic. They are also able to discuss and defend the theses that have been put forward.	3 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Caroline Sporleder
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen	12 C
Module M.DH.23a: Research Project Digital Image Analysis	2 WLH

Learning outcome, core skills:	Workload:
The students • are able to work on a research question from the field of image science with the help of digital technologies, e.g. to analyse a genre of image or to reconstruct a historical image space; • have the ability to reflect on the possibilities and limitations of the methods used in the development of a digital solution; • are able to utilise digital technologies to enhance the critical discussion on language, text and literature asking new kinds of questions about traditional research topics; • have the ability to subdivide complex tasks into subtasks and to find multifaceted solutions (in a team).	Attendance time: 28 h Self-study time: 332 h

Course: Project	1 WLH
Examination: Project work (max. 10 pages of project documentation) **Examination requirements:** Students create digital content that processes, evaluates and presents the results of research in image science. In doing so, they demonstrate that they can evaluate relevant methods and theories and modify them to some extent. The project work comprises 270 hours of self-study and concludes with a project documentation (max. 10 pages).	6 C

Course: Colloquium	1 WLH
Examination: Oral Presentation (approx. 30 minutes) **Examination requirements:** Students demonstrate that they are capable of presenting a completed project in an appropriate manner to a broader audience and explain the research question and the relevance of the topic. They are also able to discuss and defend the theses that have been put forward.	6 C

Admission requirements: none	Recommended previous knowledge: none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each winter semester	**Duration:** 1 Semester
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.DH.23b: Project Digital Image Analysis**	9 C 2 WLH

Learning outcome, core skills: The students • are able to work on a research question from the field of image studies with the help of digital technologies, e.g. to analyse a group of images or to reconstruct historical references of the reception; • have the ability to reflect on the possibilities and limitations of the methods used in the development of a digital solution; • are able to utilise digital technologies to enhance the critical discussion on language, text and literature asking new kinds of questions about traditional research topics; • have the ability to subdivide complex tasks into subtasks and to find multifaceted solutions (in a team).	**Workload:** Attendance time: 28 h Self-study time: 242 h

Course: Project	1 WLH
Examination: small project work (max. 5 pages of project documentation) **Examination requirements:** The students create digital content that digitally prepares, evaluates and presents the results of research in image science. In doing so, they demonstrate that they can evaluate relevant methods and theories and modify them to some extent. The project work comprises 180 hours of self-study and concludes with a project documentation (max. 5 pages).	6 C

Course: Colloquium (Colloquium)	1 WLH
Examination: Oral Presentation (approx. 20 minutes) **Examination requirements:** Students demonstrate that they are capable of presenting a completed project in an appropriate manner to a broader audience and explain the research question and the relevance of the topic. They are also able to discuss and defend the theses that have been put forward.	3 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen	12 C
Module M.DH.24a: Research Project Digital Artefact Analysis	2 WLH

Learning outcome, core skills:	**Workload:**
The students • are able to work on a research question from the field of object science with the help of digital technologies, e.g. to analyse a genre of object or to reconstruct a historical pictorial space; • have the ability to reflect on the possibilities and limitations of the methods used in the development of a digital solution; • are able to utilise digital technologies to enhance the critical discussion on visual and material culture asking new kinds of questions about traditional research topics; • have the ability to subdivide complex tasks into subtasks and to find multifaceted solutions (in a team).	Attendance time: 28 h Self-study time: 332 h

Course: Project	1 WLH
Examination: Project work (max. 10 pages of project documentation) **Examination requirements:** Students create digital content that prepares, evaluates and presents the results of object science research. In doing so, they demonstrate that they can evaluate relevant methods and theories and modify them to some extent. The project work comprises 270 hours of self-study and concludes with a project documentation (max. 10 pages).	6 C

Course: Colloquium	1 WLH
Examination: Oral Presentation (approx. 30 minutes) **Examination requirements:** Students demonstrate that they are capable of presenting a completed project in an appropriate manner to a broader audience and explain the research question and the relevance of the topic. They are also able to discuss and defend the theses that have been put forward.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each summer semester	**Duration:** 1 Semester
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen	9 C
Module M.DH.24b: Project Digital Artefact Analysis	2 WLH

Learning outcome, core skills:	Workload:
The students • are able to work on a research question from the field of object science with the help of digital technologies, e.g. to analyse a group of objects or to reconstruct historical references of the reception; • have the ability to reflect on the possibilities and limitations of the methods used in the development of a digital solution; • are able to utilise digital technologies to enhance the critical discussion on visual and material culture asking new kinds of questions about traditional research topics; • have the ability to subdivide complex tasks into subtasks and to find multifaceted solutions (in a team).	Attendance time: 28 h Self-study time: 242 h

Course: Project	1 WLH
Examination: small project work (max. 5 pages of project documentation) **Examination requirements:** The students create digital content that digitally prepares, evaluates and presents the results of object science research. In doing so, they demonstrate that they can evaluate and modify the relevant methods and theories. The project work comprises 180 hours of self-study and concludes with a project documentation (max. 5 pages).	6 C

Course: Colloquium	1 WLH
Examination: Oral Presentation (approx. 20 minutes) **Examination requirements:** Students demonstrate that they are capable of presenting a completed project in an appropriate manner to a broader audience and explain the research question and the relevance of the topic. They are also able to discuss and defend the theses that have been put forward.	3 C

Admission requirements:	Recommended previous knowledge:
none	none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen	12 C
Module M.DH.25a: Research Project Digital Spatial Analysis	2 WLH

Learning outcome, core skills:	**Workload:**
The students • are able to work on a research question from the field of historical building recording, archaeology or geoscience with the help of digital technologies, e.g. to analyse urban structures or to reconstruct a historical living space; • have the ability to reflect on the possibilities and limitations of the methods used in the development of a digital solution; • are able to utilise digital technologies to enhance the critical discussion on visual and material culture asking new kinds of questions about traditional research topics; • have the ability to subdivide complex tasks into subtasks and to find multifaceted solutions (in a team).	Attendance time: 28 h Self-study time: 332 h

Course: Project	1 WLH

Examination: Project work (max. 10 pages of project documentation) **Examination requirements:** Students create digital content that processes, evaluates and presents the results of archaeological or geoscientific research. In doing so, they demonstrate that they can evaluate and modify the relevant methods and theories. The project work comprises 270 hours of self-study and concludes with a project documentation (max. 10 pages).	6 C

Course: Colloquium	1 WLH

Examination: Oral Presentation (approx. 30 minutes) **Examination requirements:** Students demonstrate that they are capable of presenting a completed project in an appropriate manner to a broader audience and explain the research question and the relevance of the topic. They are also able to discuss and defend the theses that have been put forward.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each winter semester	**Duration:** 1 Semester
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen	9 C
Module M.DH.25b: Project Digital Spatial Analysis	2 WLH

Learning outcome, core skills:	Workload:
The students - are able to work on a research question from the field of historical building recording, archaeology or geoscience with the help of digital technologies, e.g. to analyse urbanistic structures or to reconstruct a historical habitat; - have the ability to reflect on the possibilities and limitations of the methods used in the development of a digital solution; - are able to utilise digital technologies to enhance the critical discussion on visual and material culture asking new kinds of questions about traditional research topics; - have the ability to subdivide complex tasks into subtasks and to find multifaceted solutions (in a team).	Attendance time: 28 h Self-study time: 242 h

Course: Project	1 WLH
Examination: small project work (max. 5 pages of project documentation) **Examination requirements:** Students create digital content that digitally processes, evaluates and presents the results of archaeological or geoscientific research. In doing so, they demonstrate that they can evaluate and modify the relevant methods and theories. The project work comprises 180 hours of self-study and concludes with a project documentation (max. 5 pages).	6 C

Course: Colloquium	1 WLH
Examination: Oral Presentation (approx. 20 minutes) **Examination requirements:** Students demonstrate that they are capable of presenting a completed project in an appropriate manner to a broader audience and explain the research question and the relevance of the topic. They are also able to discuss and defend the theses that have been put forward.	3 C

Admission requirements: none	Recommended previous knowledge: none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen	6 C
Module M.DH.30: International Summer School	4 WLH

Learning outcome, core skills:	Workload:
The students • have advanced project and research-oriented competences in an international environment; • are able to apply them within the framework of a specific project; • know selected research topics and projects in an international context; • acquire key competences in the field of interdisciplinary cooperation and intercultural communication; • have the ability to subdivide complex tasks into subtasks and to find multifaceted solutions (in a team).	Attendance time: 56 h Self-study time: 124 h

Course: Project (International Summer School)	2 WLH
Course: Exercise	2 WLH

Examination: Presentation (approx. 30 min.) with written elaboration (max. 15 pages) or project report (max. 20 pages) **Examination prerequisites:** Regular participation in an International Summer School as well as successful digital implementation of the set exercises **Examination requirements:** Students are able to digitally process, evaluate and present the results of research in the humanities and have the ability to evaluate and modify the relevant methods and theories.	6 C

Admission requirements: none	Recommended previous knowledge: none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each summer semester	**Duration:** 1 Semester
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 20	

Georg-August-Universität Göttingen **Module M.DH.40: Computer Programming in Text Science**	6 C 4 WLH

Learning outcome, core skills: The students • know the most important concepts and methods of a relevant programming language; • show a corresponding competence in the formal description of typical textual and linguistic problems; • possess the ability to think algorithmically and to systematically develop automated processing strategies.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Introduction to Computer Programming in Text Science (Lecture, Seminar)	2 WLH
Course: Exercise Computer Programming in Text Science	2 WLH
Examination: Written exam (90 minutes at the end of the course or course-related partial examinations) or oral examination (approx. 20 minutes) **Examination prerequisites:** Regular participation in the exercise **Examination requirements:** The students demonstrate practical knowledge of a relevant programming language (e.g. Python or Java).	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Caroline Sporleder
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 2
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module M.DH.41: Computer Programming in Image Science**	6 C 4 WLH

Learning outcome, core skills: The students • know the most important concepts and methods of a relevant programming language; • show a corresponding competence in the formal description of typical problems in Image Science; • possess the ability to think algorithmically and to systematically develop automated processing strategies.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Introduction to Computer Programming in Image Science (Lecture, Seminar)	2 WLH
Course: Exercise Computer Programming in Image Science	2 WLH
Examination: Written exam (90 minutes at the end of the course or course-related partial examinations) or oral examination (approx. 20 minutes) **Examination prerequisites:** Regular participation in the exercise **Examination requirements:** The students demonstrate practical knowledge of a relevant programming language (e.g. Python or Java).	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 2
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module M.EP.02b: Medieval English Studies**	6 C 4 WLH

Learning outcome, core skills: After successful participation in the course, students should be able to • demonstrate text competence with regard to the chief works of medieval English literature • understand important literary theoretical questions and apply them with regard to medieval English texts • demonstrate a good knowledge of the materiality of medieval English manuscript transmission • utilize a good competence in English on an advanced academic level • recognize aspects of the alterity of medieval texts as a didactic stimulus for an encounter with the Middle Ages as an alien culture	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Lecture series: Medieval Studies (Lecture) *Contents*: The lectures offer - in alternating semesters - a survey of the medieval literature of England, the historical development of English and selected subjects in the area of paleography, important language landmarks, and the cultural history of the English Middle Ages.	2 WLH
Examination: Written examination (30 minutes) **Examination requirements:** Successful candidates will demonstrate a good knowledge of the linguistic and literary/poetical aspects of important works of the English Middle Ages, as well as a good knowledge of their historical and material contexts.	2 C

Course: Course: Medieval Studies (Seminar) *Contents*: The seminar offers a survey of the medieval literature of England, the historical development of English and selected subjects in the area of paleography, important language landmarks, and the cultural history of the English Middle Ages.	2 WLH
Examination: Term Paper (max. 3000 words) **Examination prerequisites:** The regular participation with no more than two excused absences is STRONGLY RECOMMENDED but NOT OBLIGATORY. **Examination requirements:** Successful candidates will demonstrate a good knowledge of the linguistic and literary/poetical aspects of important works of the English Middle Ages, as well as a good knowledge of their historical and material contexts, on the basis of which they will be able to develop a creative approach to an understanding of these texts.	4 C

Admission requirements: B.EP.204 or an alternative to B.EP.204	**Recommended previous knowledge:** none

Language:	Person responsible for module:
English	Prof. Dr. Winfried Rudolf
Course frequency:	**Duration:**
each semester	1 semester[s]
Number of repeat examinations permitted:	**Recommended semester:**
twice	1 - 2
Maximum number of students:	
30	

Additional notes and regulations:

This module is aimed exclusively at students who already have taken courses on English Medieval Studies. Students who do not are required to take M.EP.02c instead.

Georg-August-Universität Göttingen **Module M.EP.05b: Encountering the Medieval Text**	6 C 2 WLH

Learning outcome, core skills: - An understanding of selected texts of medieval English literature in their linguistic and literary contexts through intensive textual study - To approach texts with a meaningful understanding of historical context, textuality and provenance - The application of selected aspects of medieval and contemporary literary theories to specific texts - The application of editing techniques with regard to modern media	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: Course: Medieval Studies (Seminar)	2 WLH
Course: Independent Study *Contents*: Independent research of a topic; application of research methods, e.g., catalogues, databases, or text corpus; a minimum of two tutorials per semester offering instruction, feedback, and supervision; 75 hours of the entire self-study.	

Examination: Term Paper (max. 7500 words) **Examination prerequisites:** Regular participation with no more than two excused absences. **Examination requirements:** Familiarity with important currents of literary and cultural theory; application of theoretical knowledge on texts with a view of provenance; a confident encounter with relevant research publications, databases, and text corpora.	

Admission requirements: M.EP.02b bzw. M.EP.02c	**Recommended previous knowledge:** none
Language: English	**Person responsible for module:** Prof. Dr. Winfried Rudolf
Course frequency: each semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 3
Maximum number of students: 30	

Georg-August-Universität Göttingen **Module M.Inf.1141: Semistructured Data and XML**	6 C 4 WLH

Learning outcome, core skills: Die Studierenden kennen die Konzepte semistrukturierter Datenmodelle und die Parallelen sowie Unterschiede zum "klassischen" strukturierten, relationalen Datenmodell. Sie können damit für eine Anwendung abschätzen, welche Technologien gegebenenfalls zu wählen und zu kombinieren sind. Die Studierenden verfügen über praktische Grundkenntnisse in den üblichen Sprachen dieses Bereiches. Sie haben einen Überblick über die historische Entwicklung von Modellen und Sprachen im Datenbankbereich und können daran wissenschaftliche Fragestellungen und Vorgehensweisen nachvollziehen.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Semistrukturierte Daten und XML (Lecture, Exercise)	
Examination: Klausur (90 Min.) oder mündliche Prüfung (ca. 25 Min.) **Examination requirements:** Konzepte semistrukturierter Datenmodelle und die Parallelen sowie Unterschiede zum "klassischen" strukturierten, relationalen Datenmodell; Fähigkeit zur Beurteilung, welche Technologien in einer konkreten Anwendung zu wählen und zu kombinieren sind; praktische Grundkenntnisse in den üblichen Sprachen dieses Bereiches; Überblick über die historische Entwicklung von Modellen und Sprachen im Datenbankbereich; Fähigkeit zum Nachvollziehen wissenschaftlicher Fragestellungen und Vorgehensweisen.	6 C

Admission requirements: Datenbanken	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Wolfgang May
Course frequency: unregelmäßig	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 100	

Georg-August-Universität Göttingen	6 C
Module M.Inf.1142: Semantic Web	4 WLH

Learning outcome, core skills:	**Workload:**
Die Studierenden kennen die theoretischen Grundlagen sowie technischen Konzepte des Semantic Web. Sie können den Nutzen und die Grenzen der verwendeten Technologien einschätzen und in realen Szenarien abwägen. Sie sehen an einigen Beispielen, wo aktuelle wissenschaftliche Fragestellungen ansetzen.	Attendance time: 56 h Self-study time: 124 h

Course: Semantic Web (Lecture, Exercise)	4 WLH

Examination: Klausur (90 Min.) oder mündliche Prüfung (ca. 25 Min.)	6 C
Examination requirements: Kenntnisse der theoretischen Grundlagen und technischen Konzepte des Semantic Web; Fähigkeit zum Abschätzen des Nutzens und der Grenzen der verwendeten Technologien; Fähigkeit zur Abwägung realer Szenarien; Fähigkeit zum Nachvollziehen wissenschaftlicher Fragestellungen und Vorgehensweisen.	

Admission requirements: Datenbanken, Formale Systeme	Recommended previous knowledge: M.Inf.1243
Language: German, English	**Person responsible for module:** Prof. Dr. Wolfgang May
Course frequency: unregelmäßig	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 50	

Georg-August-Universität Göttingen **Module M.Inf.1151: Specialisation Softwareengineering: Data Science and Big Data Analytics**	5 C 3 WLH

Learning outcome, core skills: The students • can define the terms data science, data scientist and big data, and acquire knowledge about the principle of data science and big data analytics • become acquainted with the life cycle of data science projects and know how the life cycle can be applied in practice • gain knowledge about a statistical and machine learning modelling system • gain knowledge about basic statistical tests and how to apply them • gain knowledge about clustering algorithms and how to apply them • gain knowledge about association rules and how to apply them • gain knowledge about regression techniques and how to apply them • gain knowledge about classification techniques and how to apply them • gain knowledge about text analysis techniques and how to apply them • gain knowledge about big data analytics with MapReduce • gain knowledge about advanced in-database analytics	**Workload:** Attendance time: 42 h Self-study time: 108 h

Course: Data Science and Big Data Analytics (Lecture, Exercise)	3 WLH
Examination: Klausur (90 Min.) oder mündliche Prüfung (ca. 20 Min.) **Examination prerequisites:** Successful completion of 50% of each exercise and the conduction of a small analysis project. **Examination requirements:** Data science, big data, analytics, data science life cycle, statistical tests, clustering, association rules, regression, classification, text analysis, in-database analytics.	5 C

Admission requirements: none	**Recommended previous knowledge:** Foundations of statistics and stochastic.
Language: English	**Person responsible for module:** Prof. Dr. Jens Grabowski
Course frequency: unregelmäßig	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 30	

Georg-August-Universität Göttingen **Module M.Inf.1161: Image Analysis and Image Understanding**	6 C 4 WLH

Learning outcome, core skills: Kompetenz, grundlegende Techniken der Bildverarbeitung sinnvoll zur Auswertung von Bilddaten einzusetzen; Verständnis für Probleme, Methoden und Begrenzungen der Bildanalyse mit elementaren Signalverarbeitungs- und höheren KI-Ansätzen.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Bildanalyse und Bildverstehen (Lecture, Exercise)	4 WLH
Examination: Klausur (120 Min.) oder mündliche Prüfung (ca. 25 Min.) **Examination prerequisites:** Aktive Teilnahme an den Übungen belegt durch die erfolgreiche Bearbeitung von 60 % der Übungszettel **Examination requirements:** Nachweis über den Erwerb vertiefter Kenntnisse und Fähigkeiten: Kompetenz, grundlegende Techniken der Bildverarbeitung sinnvoll zur Auswertung von Bilddaten einzusetzen; Verständnis für Probleme, Methoden und Begrenzungen der Bildanalyse mit elementaren Signalverarbeitungs- und höheren KI-Ansätzen.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Winfried Kurth
Course frequency: unregelmäßig	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 100	

Georg-August-Universität Göttingen	6 C
Module M.Inf.1802: Practical Course on XML	4 WLH

Learning outcome, core skills:	**Workload:**
Die Studierenden verfügen über vertiefte Kenntnisse und Erfahrungen mit Konzepten und Sprachen aus dem Bereich XML. Sie wissen, welche Sprachen und Werkzeuge ggf. bei Problemstellungen anwendbar sind und können Projekte in diesem Bereich umsetzen. Sie sind mit der Grundidee der W3C-Standards vertraut und können sich selber benötigte Informationen im Web zusammensuchen.	Attendance time: 56 h Self-study time: 124 h
Vermittlung von praktischen Fähigkeiten aus dem Bereich XML, XPath, XQuery, XSLT, Web Services und weiteren Sprachen und Werkzeugen.	

Course: Praktikum XML (Internship)	
Examination: Praktische Prüfung (ca. 4 Übungs- und Programmieraufgaben) und mündliche Prüfung (ca. 20 Min.) **Examination requirements:** Vertiefte Kenntnisse und Erfahrungen in Sprachen aus dem Bereich XML. Kenntnisse darüber, welche Sprachen und Werkzeuge ggf. bei Problemstellungen anwendbar sind; Fähigkeit zum Umsetzen von Projekten in diesem Bereich; Kenntnisse der W3C-Standards.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Wolfgang May
Course frequency: unregelmäßig	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 50	

Georg-August-Universität Göttingen	6 C
Module SK.DH.01: Introduction to Digital Humanities	4 WLH

Learning outcome, core skills:	Workload:
The students • have an overview of essential objects and problems of the Digital Humanities; • can assess consequences and perspectives of the digital analysis of language, text, image, object and space; • know central questions of the Digital Humanities, relevant case studies and the most important tools for creating, managing and processing digital data.	Attendance time: 56 h Self-study time: 124 h

Course: Introduction to Digital Humanities (Lecture)	2 WLH
Course: Tutorium (Tutorial)	2 WLH

Examination: Written examination (90 minutes), not graded **Examination prerequisites:** Regular participation in the tutorial and elaboration of a practical application of max. 5 pages **Examination requirements:** Students demonstrate knowledge of specific issues in the humanities, procedures and research results based on digital data processing, as well as the ability to comprehend methods and theories in the Digital Humanities and to reflect on them in approaches.	6 C

Admission requirements: none	Recommended previous knowledge: none
Language: German, English	**Person responsible for module:** Prof. Dr. Martin Langner Prof. Dr. Caroline Sporleder
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 2
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module SK.DH.02: Foundations of Data Science**	6 C 4 WLH

Learning outcome, core skills: The students • can prepare and structure text, image, spatial or time data; • have the ability to evaluate these with regard to a given research problem using statistical methods; • are able to assess the representativeness and relevance of the data for the research question; • are able to illustrate the results with the help of graphical representations.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Introduction to Data Reading Learning (Lecture)	2 WLH
Course: Exercise	2 WLH

Examination: term paper (max. 10 pages) or project report (max. 10 pages), ungraded, not graded **Examination prerequisites:** Elaboration of a practical application of max. 5 pages **Examination requirements:** Students demonstrate basic knowledge in the area of quantifying methods (statistics, databases and data visualisation) and are able to statistically process humanities data in a case study.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Caroline Sporleder Prof. Dr. Martin Langner
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 2
Maximum number of students: 25	

Georg-August-Universität Göttingen	6 C
Module SK.DH.03: Digital Humanities Tools	4 WLH

Learning outcome, core skills:	Workload:
The students • know important standard tools of the Digital Humanities, which facilitate the creation, managing and processing digital data of the humanities concern (e.g. in text acquisition, image processing, databases, CAD, GIS, statistics and humanities evidence, knowledge representation); • have initial experience of working with large amounts of material, metadata, controlled vocabulary systems and mark-up languages in existing corpora and databases; • are able to familiarise themselves practically with the specific requirements of data management and processing in the humanities.	Attendance time: 56 h Self-study time: 124 h

Course: **Introduction to Digital Humanities Tools** (Lecture)	2 WLH
Course: **Exercise**	2 WLH

Examination: Term paper (max. 10 pages) or project report (max. 10 pages) **Examination prerequisites:** Elaboration of a practical application of max. 5 pages **Examination requirements:** The students demonstrate the ability to apply selected tools of the Digital Humanities and to reflect on them in approaches. In doing so, they demonstrate knowledge of the specific requirements of data management and processing in the humanities.	6 C

Admission requirements: none	Recommended previous knowledge: none
Language: German, English	Person responsible for module: Prof. Dr. Caroline Sporleder Prof. Dr. Martin Langner
Course frequency: each winter semester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 2
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module SK.DH.04: Digital Editions and Annotations**	6 C 4 WLH

Learning outcome, core skills: The students • are familiar with the usual technologies for digitising speech and text; • can apply their knowledge exemplarily to a specific problem (e.g. from the areas of creating a digital edition, automatic linking of text corpora, ontologies); • have knowledge of the relevant data sources and forms of representation, their characteristics and for which information purpose they are the right choice; • know which software is suitable for which digitisation task of speech and text and have experience in using the corresponding tools.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Seminar	2 WLH
Course: Exercise or workshop or e-learning component on the Topic Digital Editions	2 WLH
Examination: Presentation (approx. 20 min.) with written elaboration (max. 10 pages) **Examination prerequisites:** Regular participation in the seminar as well as successful digital implementation of the given exercises. **Examination requirements:** Students demonstrate knowledge of data sources, forms of acquisition and technologies for the digitisation of text and language. They can comprehend these and reflect on them to some extent. The examination is to be taken in the seminar.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Caroline Sporleder Prof. Dr. Martin Langner
Course frequency: jedes zweite Sommersemester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1 - 2
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module SK.DH.05: Digital Text Analysis**	6 C 4 WLH

Learning outcome, core skills: The students - are familiar with the common technologies of computational philology and computational linguistics; - can apply their knowledge exemplarily to a specific problem (e.g. from the fields of analysis of historical text corpora, linguistic evaluation of web data, stylometric analysis, visualisation of text-analytical results, computer-assisted evaluation of historical audio archives); - demonstrate a basic competence in computer-assisted analysis of texts; - can break down complex problems of digital text analysis into subtasks and process them in a solution-oriented manner.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Seminar	2 WLH
Course: Exercise or workshop or e-learning component	2 WLH

Examination: Presentation (approx. 20 min.) with written elaboration (max. 10 pages) **Examination prerequisites:** Regular participation in the seminar as well as successful digital realisation of the set exercises **Examination requirements:** The students demonstrate advanced skills in the application of methods by applying selected tools of computational philology, computational linguistics and language technology and reflecting on them in approaches. In doing so, they demonstrate advanced knowledge of the specific requirements of the humanities in data management and processing. The examination is to be taken in the seminar.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Caroline Sporleder
Course frequency: every second winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 5
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module SK.DH.06: Digitising Pictures and Artefacts**	6 C 4 WLH

Learning outcome, core skills: The students • are familiar with the usual technologies for digitising images and objects; • have knowledge of the data sources concerned, their characteristics and for which information purpose they are the right choice; • know which software is suitable for which digitisation task of images and objects and have experience in using the corresponding tools.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Seminar	2 WLH
Course: Exercise or workshop or e-learning component	2 WLH

Examination: Presentation (approx. 20 min.) with written elaboration (max. 10 pages) **Examination prerequisites:** Regular participation in the seminar as well as successful digital implementation of the given exercises. **Examination requirements:** Students demonstrate knowledge of data sources, forms of acquisition and technologies for digitising images and objects. They are able to comprehend these and reflect on them to some extent. The examination is to be taken in the seminar.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: every second winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 5
Maximum number of students: 25	

Additional notes and regulations: The module SK.DH.06 cannot be taken together with the module SK.DH.06a.

Georg-August-Universität Göttingen	3 C
Module SK.DH.06a: Digital acquisition and classification of artefacts	2 WLH

Learning outcome, core skills:	Workload:
The students • are familiar with the usual technologies for digitising objects; • have knowledge of the relevant data sources, their characteristics and for which information purpose they are the right choice; • know which software is suitable for which digitisation task of objects and have experience in using the corresponding tools.	**Workload:** Attendance time: 28 h Self-study time: 62 h

Course: Self-learning units (Video tutorials, ILIAS course, Exercises)	2 WLH
Examination: Written examination (90 minutes), not graded	3 C

Admission requirements:	Recommended previous knowledge:
none	none
Language: English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1

Additional notes and regulations:
The module SK.DH.06a cannot be taken together with the module SK.DH.06.

Georg-August-Universität Göttingen Module SK.DH.07: Virtual Spaces and Museums	6 C 4 WLH

Learning outcome, core skills: The students - are familiar with common simulation and virtual reality technologies; - can apply their knowledge exemplarily to a specific problem of visualising objects in spaces; - demonstrate a basic competence in describing digital problems from the field of museology and digital object science; - can break down complex simulation and virtual reality problems into subtasks and process them in a solution-oriented manner.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Seminar	2 WLH
Course: Exercise or workshop or e-learning component	2 WLH

Examination: Presentation (approx. 20 min.) with written paper (max. 10 pages) **Examination prerequisites:** Regular participation in the seminar as well as successful digital implementation of the set exercises **Examination requirements:** The students demonstrate advanced skills in the application of methods by applying selected tools of simulation and virtual reality and reflecting on them in approaches. In doing so, they demonstrate advanced knowledge of the specific requirements of the humanities in data management and processing. The examination is to be taken in the seminar.	6 C

Admission requirements: none	Recommended previous knowledge: none
Language: German, English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: every second summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 5
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module SK.DH.08: Maps, GIS and Digital Space Capture**	6 C 4 WLH

Learning outcome, core skills: The students • are familiar with the usual technologies of computer-based acquisition of space and time; • can independently apply their knowledge to a specific problem from the acquisition of geometries and factual data to the cartographic output of results; • understand the specific characteristics of space and time data to some extent; • demonstrate a basic competence in describing digital problems in geoinformation systems; • can break down complex problems of the analysis of historical spaces into subtasks and process them in a solution-oriented manner.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Seminar	2 WLH
Course: Exercise or workshop or e-learning component	2 WLH

Examination: Presentation (approx. 20 min.) with written elaboration (max. 10 pages) **Examination prerequisites:** Regular participation in the seminar as well as successful digital implementation of the given exercises. **Examination requirements:** The students demonstrate advanced skills in the application of methods by applying selected tools of the digital geosciences and reflecting on them in approaches. In doing so, they demonstrate advanced knowledge of the specific requirements of the humanities in data management and processing. The examination is to be taken in the seminar.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Caroline Sporleder Prof. Dr. Martin Langner
Course frequency: every second summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module SK.DH.09: Comparing Image and Text Data**	6 C 4 WLH

Learning outcome, core skills: The students • are familiar with the usual technologies of computer-based acquisition of space and time; • can independently apply their knowledge to a specific problem from the acquisition of geometries and factual data to the cartographic output of results; • understand the specific characteristics of space and time data to some extent; • demonstrate a basic competence in describing digital problems in geoinformation systems; • can break down complex problems of the analysis of historical spaces into subtasks and process them in a solution-oriented manner.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Seminar	2 WLH
Course: Exercise or workshop or e-learning component	2 WLH

Examination: Oral report with written elaboration Presentation (approx. 20 min.) with written elaboration (max. 10 pages) **Examination prerequisites:** Regular participation in the seminar as well as successful digital implementation of the given exercises. **Examination requirements:** The students demonstrate advanced skills in the application of methods by applying selected tools of the digital geosciences and reflecting on them in approaches. In doing so, they demonstrate advanced knowledge of the specific requirements of the humanities in data management and processing. The examination is to be taken in the seminar.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Martin Langner Prof. Dr. Caroline Sporleder
Course frequency: every second summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 5
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module SK.DH.10: Quantitative Methods in the Humanities**	6 C 4 WLH

Learning outcome, core skills: The students - are familiar with the usual technologies of quantitative analysis of data in the humanities and social sciences; - are able to abstract the object of research in such a way that deductive hypotheses can be derived that can be tested statistically; - have a deeper understanding of the operationalisation of data and the formation of measurable indicators and can develop an appropriate research design; - can apply their knowledge exemplarily to a specific problem (e.g. from the fields of correspondence analysis or multivariate statistics); - can generalise samples to populations and secure the degree of knowledge gained via significance tests.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Seminar	2 WLH
Course: Exercise or workshop or e-learning component	2 WLH

Examination: Presentation (approx. 20 min.) with written elaboration (max. 10 pages) **Examination prerequisites:** Regular participation in the seminar as well as successful digital implementation of the given exercises. **Examination requirements:** The students demonstrate advanced knowledge in the quantitative analysis of a specific humanities question and are able to comprehend different procedures and research results and reflect on them in approaches. The examination is to be taken in the seminar.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: every second summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module SK.DH.11: Visualising Data**	3 C 2 WLH

Learning outcome, core skills: The students • are able to use graphical representations to illustrate patterns, trends, dependencies and meanings of data using a specific problem as an example; • demonstrate a basic competence in visualising digital problems; • can break down complex data visualisation problems into subtasks and process them in a solution-oriented manner.	**Workload:** Attendance time: 28 h Self-study time: 62 h

Course: Exercise or workshop or e-learning component	2 WLH
Examination: Term paper (max. 5 pages) or project report (max. 5 pages) **Examination prerequisites:** successful digital implementation of the set exercises **Examination requirements:** The students demonstrate advanced knowledge in the digital visualisation of a specific question in the humanities and are able to comprehend different approaches and research results of data visualisation and reflect on them in approaches.	3 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: jedes zweite Sommersemester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module SK.DH.12: Setting up Databases**	3 C 2 WLH

Learning outcome, core skills: The students - can systematically prepare and structure typical humanities data in order to store them meaningfully in databases; - know what basic functionality a database system offers them and can use it; - are able to further familiarise themselves independently on the basis of the acquired knowledge and skills with the help of online tutorials and forum contributions.	**Workload:** Attendance time: 28 h Self-study time: 62 h

Course: Exercise or workshop or e-learning component	2 WLH
Examination: Term paper (max. 5 pages) or project report (max. 5 pages) **Examination prerequisites:** successful digital implementation of the set exercises **Examination requirements:** Students demonstrate advanced knowledge of the storage and structuring of data in databases and are able to comprehend and reflect on various database formats and designs.	3 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: every second summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: 25	

Additional notes and regulations: The module SK.DH.12 cannot be taken together with the module SK.DH.12a.

Georg-August-Universität Göttingen	3 C
Module SK.DH.12a: Setting up Databases	2 WLH

Learning outcome, core skills:	Workload:
The students • can systematically prepare and structure typical humanities data in order to store them meaningfully in databases; • know what basic functionality a database system offers them and can use it; • are able to further familiarise themselves independently with the help of online tutorials and forum contributions on the basis of the acquired knowledge and skills.	**Workload:** Attendance time: 28 h Self-study time: 62 h

Course: Self-learning units (Video tutorials, ILIAS course, Exercises)	2 WLH
Examination: Written examination (90 minutes), not graded **Examination prerequisites:** Successful participation in the ILIAS course **Examination requirements:** Students demonstrate advanced knowledge of the storage and structuring of data in databases and are able to comprehend and reflect on various database formats and designs.	3 C

Admission requirements: none	Recommended previous knowledge: none
Language: German, English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 1

Additional notes and regulations:
The module SK.DH.12a cannot be taken together with the module SK.DH.12.

Georg-August-Universität Göttingen **Module SK.DH.13: Collection Management Systems**	3 C 2 WLH

Learning outcome, core skills: The students • know the technical concepts of collection management systems for acquisition and managing collection data; • can systematically process and structure collection data in order to manage them meaningfully in such information systems; • know what basic functionality a collection management system offers them and can use it; • are able to further familiarise themselves independently on the basis of the acquired knowledge and skills with the help of online tutorials and forum contributions.	**Workload:** Attendance time: 28 h Self-study time: 62 h

Course: Exercise or workshop or e-learning component	2 WLH

Examination: Term paper (max. 5 pages) or project report (max. 5 pages) **Examination prerequisites:** successful digital implementation of the set exercises **Examination requirements:** The students demonstrate advanced knowledge of the administration of data in collection management systems and are able to comprehend and reflect on various data system formats and designs.	3 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: every second summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module SK.DH.14: Archaeological Information Systems**	3 C 2 WLH

Learning outcome, core skills: The students • know the technical concepts of Archaeological Information Systems (AIS) for acquisition and managing excavation data; • can systematically process and structure typical archaeological data in order to manage them meaningfully in such information systems; • know what basic functionality an Archaeological Information System offers them and can use it; • are able to further familiarise themselves independently on the basis of the acquired knowledge and skills with the help of online tutorials and forum contributions.	**Workload:** Attendance time: 28 h Self-study time: 62 h

Course: Exercise or workshop or e-learning component	2 WLH
Examination: Term paper (max. 5 pages) or project report (max. 5 pages) **Examination prerequisites:** successful digital implementation of the set exercises **Examination requirements:** The students demonstrate advanced knowledge of the administration of data in archaeological management systems and are able to comprehend and reflect on various data system formats and designs.	3 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: every second summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 4
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module SK.DH.15: Project Module Text and Language**	6 C 3 WLH

Learning outcome, core skills: Students demonstrate through active implementation that they can • be able to use and evaluate digital resources; • have the ability to handle the digital tools and processes used correctly and appropriately; • be able to break down complex problems into subtasks and process them in a solution-oriented manner; • be able to independently analyse small amounts of data using digital methods; • are able to critically engage with technologies of digital text and language processing; • be able to present their project and work out the advantages and weaknesses of their approach independently.	**Workload:** Attendance time: 42 h Self-study time: 138 h

Course: Project	2 WLH
Examination: Project report (max. 10 pages) **Examination prerequisites:** successful digital implementation of a set research task **Examination requirements:** Students demonstrate knowledge of common questions, approaches and research results in computational philology, computational linguistics or language technology and have the ability to implement it practically.	4 C

Course: Colloquium	1 WLH
Examination: Oral Presentation (approx. 15 minutes) **Examination requirements:** Students demonstrate that they are capable of presenting a completed project in an appropriate manner to a broader audience and explain the research question and the relevance of the topic. They are also able to discuss and defend the theses that have been put forward.	2 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Caroline Sporleder
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 4 - 5
Maximum number of students: 25	

Module SK.DH.16 - Version 1

Georg-August-Universität Göttingen **Module SK.DH.16: Project Module Visual Culture**	6 C 3 WLH

Learning outcome, core skills: Students demonstrate through active implementation that they can - image databases or 3D repositories and evaluate them; - have the ability to correctly and appropriately handle the tools used in digital image and object science; - be able to break down complex problems into subtasks and process them in a solution-oriented manner; - be able to independently analyse small amounts of data using digital methods; - are able to critically engage with technologies of digital image and object science; - be able to present their project and work out the advantages and weaknesses of their approach and independently.	**Workload:** Attendance time: 42 h Self-study time: 138 h

Course: Project	2 WLH
Examination: Project report (max. 10 pages) **Examination prerequisites:** successful digital implementation of a set research task **Examination requirements:** Students demonstrate knowledge of common questions, procedures and research results in digital image and object science and possess the ability to implement these in practice.	4 C

Course: Colloquium	1 WLH
Examination: Oral Presentation (approx. 15 minutes) **Examination requirements:** Students demonstrate that they are capable of presenting a completed project in an appropriate manner to a broader audience and explain the research question and the relevance of the topic. They are also able to discuss and defend the theses that have been put forward.	2 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 4 - 5
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module SK.DH.17: eHeritage**	6 C 3 WLH

Learning outcome, core skills: The students • know basic technologies for digitisation, subject-specific indexing, metadata enrichment, storage and publication of cultural heritage objects; • are able to digitise objects of cultural heritage that are relevant for research, to make them accessible and to make them available to science; • can develop a digitisation concept for humanities data from the professional fields of library, archive or museum; • are able to assess the working conditions, processes and research interests of a cultural institution; • can critically engage with the computer-assisted maintenance and preparation of texts or products of visual and material culture; • can present their project and independently work out the advantages and weaknesses of their approach.	**Workload:** Attendance time: 42 h Self-study time: 138 h

Course: Project	2 WLH
Examination: Project report (max. 10 pages) **Examination prerequisites:** Completion of a small digital project **Examination requirements:** Students demonstrate knowledge of common issues, approaches and results in the field of eHeritage based on published or newly created research data and have the ability to apply these in practice.	4 C

Course: Colloquium	1 WLH
Examination: Oral Presentation (approx. 15 minutes) **Examination requirements:** Students demonstrate that they are capable of presenting a completed project in an appropriate manner to a broader audience and explain the research question and the relevance of the topic. They are also able to discuss and defend the theses that have been put forward.	2 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Caroline Sporleder Prof. Dr. Martin Langner
Course frequency: each summer semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 6

Maximum number of students: 25	

Georg-August-Universität Göttingen **Module SK.DH.18: Digital Publishing**	3 C 2 WLH

Learning outcome, core skills: The students • know basic technologies for digitisation, subject indexing, metadata enrichment, storage and publication of texts; • are able to assess the working conditions, processes and research interests of a cultural institution; • can critically deal with the computer-based maintenance and preparation of texts and books.	**Workload:** Attendance time: 28 h Self-study time: 62 h

Course: Exercise or Summer School	2 WLH
Examination: Report (max. 5 pages) **Examination prerequisites:** Successful digital implementation of a set exercise task **Examination requirements:** The students demonstrate knowledge of common questions and methods of digital publishing and have the ability to implement it in practice.	3 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Caroline Sporleder Prof. Dr. Martin Langner
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 6
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module SK.DH.19: Digital Image and Artefact Analysis**	6 C 4 WLH

Learning outcome, core skills:	**Workload:**
The students • are familiar with the usual technologies of Digital Art History and Cultural Heritage Studies; • can apply their knowledge exemplarily to a specific problem (e.g. from the areas of analysis of larger image corpora, digital shape analysis, stylometric analysis, visualisation of image-analytical results, computer-assisted evaluation of historical image archives); • show basic competence in the computer-aided analysis of images and objects; • can break down complex problems of digital image and object analysis into sub-tasks and process them in a solution-oriented manner.	Attendance time: 56 h Self-study time: 124 h

Course: Seminar Digital Image and Artefact Analysis	2 WLH
Course: Exercise or Workshop or E-Learning-Course Digital Image and Artefact Analysis	2 WLH
Examination: Presentation (approx. 20 min.) with written elaboration (max. 10 pages) **Examination prerequisites:** Regular participation in the seminar as well as successful digital implementation of the given exercises **Examination requirements:** The students demonstrate advanced skills in the application of methods by using selected tools of image processing, computer vision, shape comparison and shape analysis as well as quantifying methods and reflecting on them in approaches. In doing so, they demonstrate advanced knowledge of the specific requirements of the humanities in data management and processing. The examination is to be taken in the seminar.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: irregular / every second winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 5
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module SK.DH.20: Computational Archaeology and Ancient Studies**	6 C 4 WLH

Learning outcome, core skills: The students • are familiar with the common technologies of Digital Archaeology and Ancient Studies; • are able to apply their knowledge exemplarily to a specific problem (e.g. from the fields of archaeological corpus formation and evaluation, digital source studies, visualisation of archaeological and ancient historical contexts in interactive maps and models or digital reconstruction); • show a basic competence in the computer-assisted analysis of archaeological and ancient historical data; • can break down complex problems of digital archaeology into subtasks and process them in a solution-oriented manner.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: Seminar Computational Archaeology and Ancient Studies	2 WLH
Course: Exercise or Workshop or E-Learning-Course Computational Archaeology and Ancient Studies	2 WLH
Examination: Presentation (approx. 20 min.) with written elaboration (max. 10 pages) **Examination prerequisites:** Regular participation in the seminar as well as successful digital implementation of the given exercises **Examination requirements:** The students demonstrate advanced skills in the application of methods by applying selected tools of image processing, data acquisition and evaluation as well as quantifying methods and reflecting on them in approaches. In doing so, they demonstrate advanced knowledge of the specific requirements of the humanities in data management and processing. The examination is to be taken in the seminar.	6 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: irregular / every second winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 5
Maximum number of students: 25	

Georg-August-Universität Göttingen **Module SK.DH.21: E-Learning**	3 C 2 WLH

Learning outcome, core skills: The students • are familiar with the common technologies used in the creation of e-learning components; • can apply their knowledge exemplarily to a specific e-learning unit; • demonstrate basic competence in the digital mediation of knowledge content and research questions in the humanities; • are able to break down complex problems of digital mediation into subtasks and process them in a solution-oriented manner; • are able to evaluate the results of fellow students and enrich them with their own ideas.	**Workload:** Attendance time: 28 h Self-study time: 62 h

Course: E-Learning (exercise or workshop)	2 WLH
Examination: Creation of an e-learning unit with written elaboration (max. 10 pages) **Examination requirements:** The students create a concept for a digital learning unit and implement it practically by applying selected tools of digital teaching (such as ILIAS) and reflecting on them in approaches. In doing so, they demonstrate advanced knowledge of the specific requirements of digital teaching in the humanities.	3 C

Admission requirements: none	**Recommended previous knowledge:** none
Language: German, English	**Person responsible for module:** Prof. Dr. Martin Langner
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3 - 5
Maximum number of students: 25	