

Introduction to the Master's Degree Programme in Mathematics at the University of Göttingen

Welcome to the Master's Degree Programme in Mathematics at the University of Göttingen! This programme offers you the opportunity to deepen your mathematical knowledge and specialise in a specific research or application area.

Let's start this introduction with a few definitions:

Credits (C)

During your studies, you earn credits (C) for each passed exam. Exams can be written ones, oral ones, seminar talks, programming tasks or term papers. For the master's thesis you also get credits.

Credit breakdown for the programme:

120 C altogether:

- 30 C are for the thesis
- 90 C coursework, consisting of:
 - o 60 C Elective compulsory modules in Mathematics
 - o 30 C Professionalization modules, including a minor subject, key competencies or more mathematics modules

Since the programme has the standard duration of 4 semesters, you should plan approximately 30 C per semester.

Modules

Courses and the corresponding exams always belong to modules. The module descriptions contain all information about the form of the course, the content, competencies, form of examination, number of allowed repeat exams, offering frequency, language and number of credits earned by passing the exam. In the university's [online course catalogue](#) or the interactive learning/studying platform [stud.IP](#) (*enrolment needed*) you always find courses and modules together.



Always know the module for your planned courses and make sure it fits to the programme's structure the way you think and has the number of credits you expect!

A list of all modules available in the Master's programme can be found in the "List of modules for the examination and study regulation" here:

<https://www.uni-goettingen.de/en/43025.html>

[Some clicking/navigating](#) advice for the [online course catalogue](#) and the interactive learning/studying platform [stud.IP](#) can be found on the last pages of this document.

Next we take a look at the programme's properties:

Study Tracks

In the Master's Degree Programme in Mathematics, you can choose from several study tracks, each with different emphases:

General track (overview in table I.)	Physics track (overview in table II.)	Mathematical Data Science track (overview in table III.)
- You have the greatest freedom of choice in this track in comparison to the other tracks. - There are rules how a minimum number of courses have to be distributed among the fields of study (see below) - All 4 fields of study (see below) are possible specializing in. - Minor subjects can be mixed.	- The focus of mathematics courses lies in SP 1, SP 3 and SP 4. - As minor subject courses, only physics courses are possible. - More physics courses are possible in comparison to the standard minor subject in the general track.	- The focus of mathematics courses lies in SP 3 and SP 4. (see below) - Only the fields of study SP 3 or SP 4 are possible choices for specialising. - As minor subject courses only computer science is possible. More minor subject courses are possible in comparison to the standard minor subject in the general track.

Fields of study

The elective compulsory modules in Mathematics are divided into four study tracks. We **strongly recommend** that you choose the majority of courses in the field of study you want to write your thesis in. The “List of modules for the examination and study regulation” here: <https://www.uni-goettingen.de/en/43025.html> tells you for every module, in which field it belongs.

SP 1	SP 2	SP 3	SP 4
Analysis, geometry, topology	Algebra, geometry, number theory	Numerical and applied mathematics	Mathematical stochastics

Professionalisation Modules

The professionalisation modules are designed to enhance your skills in areas such as communication, teamwork, project management, and interdisciplinary competencies. These modules can come from:

- Minor subjects (e.g., Business Administration, Physics, Computer Science)
- Key competencies (e.g., (German) language classes, presentation techniques, scientific writing)

How to Choose Your Modules

- 1) Determine Your Study Track: Select the track that best aligns with your interests and career goals.
- 2) Look at the offered mathematics course list [online course catalogue](#) or the interactive learning/studying platform [stud.IP](#) (*enrolment needed*). Some clicking/navigating advice for the online course catalogue and the interactive learning/studying platform stud.IP can be found on the last page of this document.
 - You can also check the lecture commentar for specifics of the courses given by the lecturers. The latter is updated on this page approximately in February and August for the upcoming semester: [lecture commentar](#).
 - For a look into the courses offered in the future please consult [Three-Year Course Schedule for the Master's Program](#)
- 3) For the courses that interest you, find out the module they belong to and check whether that fits to your study track and also the number of credits the module gives.
- 4) For your **first semester** choose mathematics modules for approx. 18 C – 24 C, and then additionally 6-12 C from professionalization modules.
- 5) In higher semester you always have to check for each module:
 - Did you already pass the module in a prior semester, then you are not allowed to do the module again.
 - Do you still need the number of credits in the area of the programme the module belongs to, if not, choose a different module.
 - In which area of the programme do you still need a module, what is offered in that area?
 - It still could be a good idea to choose approx. 2/3 maths 1/3 professionalisation credits, but this might differ according to what you passed in the prior semesters.

Deadlines for examination registration for Mathematics modules

Register your exams in FlexNow as soon as you finally decide about the courses you would like to take: We **strongly recommend registering two weeks after the start of the lectures at the latest**. FlexNow is available in [eCampus](#) or at <https://flexnow2.uni-goettingen.de/>

Please note:

- 1) Late registration for exams is **impossible**, if you are not registered before the deadline, you cannot sit the exam and thus cannot get credits.
- 2) For lectures with exercises 2 registrations are needed, one for the exercises first and then one separate for the final exam.
- 3) Registration deadline for seminar talk exams is on the **15.5.** in summer semesters and on the **15.11.** in winter semesters.
- 4) Registration deadline for oral exams is approx. one week before the lecture period ends.
- 5) Registration deadline for written exams is one week before the exam date.
- 6) Registration deadline for exercises is one week before the first exam date of the lecture period.
- 7) Deadlines for minors subjects or key competencies might differ.
- 8) Concrete dates and deadlines are available on <https://pruefungsverwaltung.uni-goettingen.de/statistikportal>
- 9) For a video tutorial how to use FlexNow see here: [FlexNow Video Tutorial](#)
- 10) For any problems concerning FlexNow please contact the examination office, see <https://www.uni-goettingen.de/en/497360.html>

I. General Track		Fill in your semester Plan for example like this if you plan your thesis in SP 1 :						
60 C	Coursework mathematics compulsory electives: - At least 2 Seminars or Oberseminars (3 C each) – SP free of choice - 9 C from SP 1 or SP 2 (If the Master's thesis is in one of these, at least 6C have to be from the other.) - 9 C from SP 3 or SP 4 (If the Master's thesis is in one of these, at least 6C have to be from the other.) - 36 C to be chosen freely from all SP	Sem 1	9 C SP 1 lecture	9 C Lecture from SP 3 or SP 4		Minor 6 C	(German) Language course 6 C or other key competency	30 C
		Sem 2	Seminar or Oberseminar 3 C	9 C SP 1 lecture	9 C SP 2 lecture	Minor or maths 6 C	Maths key competency 3 C	30 C
30 C	Professionalisation: - At least 6 C and max 18 C from minor subjects (see minors IV.-VI.) The 12 C difference can be from maths or minors . - At least one module (min 3 C) from maths key competencies and max 12 C key competencies altogether. (see VII.)	Sem 3	Seminar or Oberseminar 3 C	9 C SP 1 lecture	9 C SP 1 lecture	Minor or maths 6 C	Another general key competency 3 C	30 C
		Sem 4	Thesis in SP 1 (in this example)					
120 C sum		Sum 120 C						

III. MDS Track		Fill in your semester Plan for example like this if you plan your thesis in SP 3 :						
60	Coursework mathematics compulsory electives: - At least 2 Seminars or Oberseminars (3 C each) – SP 3 or 4 - 9 C from SP 3 modules except M.Mat.0731, B.Mat.3030, B.Mat.3032, B.Mat.3033 - 9 C from SP 4 modules except M.Mat.0741, B.Mat.3040, B.Mat.3043, B.Mat.3044, B.Mat.3047, B.Mat.3048 - 10 C practical from SP 3 or SP 4 - One 5 C computer science module (MDS short list, see VI.) - 21C to be chosen freely from all SP (inside these max 12 C can be from the minor computer science)	Sem 1	9 C lecture from SP 4 except M.Mat.0741, B.Mat.3040, B.Mat.3043, B.Mat.3044, B.Mat.3047, B.Mat.3048	9 C Lecture from SP 3 except M.Mat.0731, B.Mat.3030, B.Mat.3032, B.Mat.3033	Computer science 6 C	(German) Language course 6 C or other key competency	30 C	
		Sem 2	9 C SP 3 lecture	10 C practical from SP 3 M.Mat.0731	Computer science 6 C	One 5 C computer science module (MDS short list, see VI.)	30 C	
30 C	Professionalisation: - At least 18 C from minor subject computer science (see VI.) - At least one module (min 3 C) from maths key competencies and max 12 C key competencies altogether. (see VII.)	Sem 3	Seminar or Oberseminar 3 C In SP 3 or 4	Seminar or Oberseminar 3 C In SP 3 or 4	12 C SP 3 lecture (or up to 12 C computer science)	Computer science 6 C	Another general key competency 3 C	30 C
							Maths key competency 3 C	
30 C	Thesis in SP 3 or 4 (includes a 15-minutes-discussion regarding your thesis)	Sem 4	Thesis in SP 3 (in this example)					30 C
120 C sum		Sum 120 C						

IV. Minor subject modules (except physics (see V.) and computer science (see VI.))

Economics (Not all modules are in English, you find the teaching language in the module description) B.WIWI-BWL.0023: Grundlagen der Versicherungstechnik (6 C) B.WIWI-ECON.0005: Recht für Wirtschaftswissenschaften (6 C) B.WIWI-QMW.0001: Linear Models (6 C) B.WIWI-QMW.0009: Seminar in Angewandter Ökonometrie (6 C) B.WIWI-VWL.0001: Mikroökonomik II (6 C) B.WIWI-VWL.0002: Makroökonomik II (6 C) B.WIWI-VWL.0004: Finanzwissenschaft (6 C) B.WIWI-VWL.0005: Internationale Wirtschaftsbeziehungen (6 C) B.WIWI-VWL.0006: Wachstum und Entwicklung (6 C) B.WIWI-VWL.0007: Ökonometrie (6 C) B.WIWI-VWL.0008: Geldtheorie und Geldpolitik (6 C) B.WIWI-VWL.0009: Labor Economics (6 C) B.WIWI-VWL.0010: Institutionenökonomik (6 C) B.WIWI-VWL.0011: Finanz- und Steuerpolitik der EU (6 C) B.WIWI-VWL.0028: Spieltheorie (6 C) B.WIWI-VWL.0038: Ausgewählte Fragestellungen der Volkswirtschaftslehre (6 C) B.WIWI-VWL.0059: Internationale Finanzmärkte (6 C) B.WIWI-VWL.0084: Introduction to Global Health (6 C) B.WIWI-VWL.0113: Mikroökonomik I (6 C) B.WIWI-VWL.0114: Makroökonomik I (6 C) B.WIWI-WB.0006: Kritische Ökonomik (6 C) M.WIWI-BWL.0134: Panel Data Analysis in Marketing (6 C) M.WIWI-QMW.0001: Generalized Regression (6 C) M.WIWI-QMW.0002: Advanced Statistical Inference (Likelihood & Bayes) (6 C) M.WIWI-QMW.0004: Econometrics I (6 C) M.WIWI-QMW.0005: Econometrics II (6 C) M.WIWI-QMW.0009: Introduction to Time Series Analysis (6 C) M.WIWI-QMW.0011: Advanced Statistical Programming with R (9 C) M.WIWI-QMW.0012: Multivariate Time Series Analysis (6 C) M.WIWI-QMW.0041: Stochastic Processes (6 C) M.WIWI-QMW.0042: Computational Statistics (6 C) M.WIWI-VWL.0001: Advanced Microeconomics (6 C) M.WIWI-VWL.0041: Panel Data Econometrics (6 C) M.WIWI-VWL.0092: International Trade (6 C) M.WIWI-VWL.0099: Poverty & Inequality (6 C) M.WIWI-VWL.0128: Deep Determinants of Growth and Development (6 C)	Business administration (Not all modules are in English, you find the teaching language in the module description) B.WIWI-WIN.0001: Enterprise Architecture und Prozessmodellierung (6 C) B.WIWI-WIN.0002: Strategisches IS- und Daten-Management (6 C) B.WIWI-WIN.0007: SAP-Blockschulung (3 C) B.WIWI-WIN.0027: Seminar zu Themen der Wirtschaftsinformatik (6 C) B.WIWI-BWL.0006: Finanzmärkte und Bewertung (6 C) B.WIWI-BWL.0023: Grundlagen der Versicherungstechnik (6 C) B.WIWI-BWL.0038: Supply Chain Management (6 C) B.WIWI-BWL.0087: International Marketing (6 C) B.WIWI-BWL.0111: Jahresabschluss (6 C) B.WIWI-BWL.0112: Finanzwirtschaft des Unternehmens (6 C) B.WIWI-ECON.0005: Recht für Wirtschaftswissenschaften (6 C) M.WIWI-BWL.0002: Rechnungslegung nach IFRS (6 C) M.WIWI-BWL.0003: Unternehmensbesteuerung (6 C) M.WIWI-BWL.0004: Financial Risk Management (6 C) M.WIWI-BWL.0006: Seminar in Finanzwirtschaft (6 C) M.WIWI-BWL.0020: Risk Management and Solvency (6 C) M.WIWI-BWL.0023: Performance Management (6 C) M.WIWI-BWL.0133: Banking Supervision (6 C) M.WIWI-BWL.0134: Panel Data Analysis in Marketing (6 C) M.WIWI-QMW.0001: Generalized Regression (6 C) M.WIWI-QMW.0002: Advanced Statistical Inference (Likelihood & Bayes) (6 C) M.WIWI-QMW.0009: Introduction to Time Series Analysis (6 C) M.WIWI-QMW.0011: Advanced Statistical Programming with R (9 C) M.WIWI-QMW.0012: Multivariate Time Series Analysis (6 C) M.WIWI-QMW.0042: Computational Statistics (6 C)
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Chemistry

You can choose from these (mostly German)

M.Che.1311: Schwingungsspektroskopie und zwischenmolekulare Dynamik

M.Che.1312: Physikalische Chemie der kondensierten Materie

M.Che.1313: Elektronische Spektroskopie und Reaktionsdynamik

M.Che.1314: Biophysikalische Chemie

M.Che.1315: Chemical Dynamics at Surfaces (English)

Or all M.Che.**** -modules.

B.Che.**** modules can only be taken with the permission of the Faculty of Chemistry only.

Look for these in Fakultät für Chemie->Master-Studiengang "Chemie"->Fachstudium in the online course catalog.

Philosophy (More details [here](#) (only German))

In Philosophy two of the following modules have to be chosen (they are mostly in German)

You have to write a term paper in at least one of them.

B.Phi.01: Basismodul Theoretische Philosophie (9 C, 4 SWS)

B.Phi.02: Basismodul Praktische Philosophie (9 C, 4 SWS)

B.Phi.03: Basismodul Geschichte der Philosophie (9 C, 4 SWS)

B.Phi.05: Aufbaumodul Theoretische Philosophie (10 C, 4 SWS)

B.Phi.06: Aufbaumodul Praktische Philosophie (10 C, 4 SWS)

B.Phi.07: Aufbaumodul Geschichte der Philosophie (10 C, 4 SWS)

B.Phi.18a Vertiefte Bearbeitung philosophischer Themen für HörerInnen aller Fächer (6 C, 2 SWS)

B.Phi.19a Spezielle Themen der Philosophie für HörerInnen aller Fächer (3 C, 2 SWS)

You can only choose the following if you also did the corresponding Bachelor's module from the above list:

M.Phi.101: Ausgewählte Themen der Theoretischen Philosophie (9 C, 4 SWS)

M.Phi.102: Ausgewählte Themen der Praktischen Philosophie (9 C, 4 SWS)

M.Phi.103: Ausgewählte Themen der Geschichte der Philosophie (9 C, 4 SWS)

V. Physics modules (Not all modules are in English, you find the teaching language in the module description)

In "Physics" as a minor subject all modules listed below can be chosen.

B.Phy.1201: Analytische Mechanik (8 C) B.Phy.1202: Klassische Feldtheorie (8 C) B.Phy.1203: Quantenmechanik I (8 C) B.Phy.1204: Statistische Physik (8 C) B.Phy.1511: Einführung in die Kern- und Teilchenphysik (8 C) B.Phy.1521: Einführung in die Festkörperphysik (8 C) B.Phy.1531: Introduction to Materials Physics (4 C) B.Phy.1541: Einführung in die Geophysik (4 C) B.Phy.1551: Introduction to Astrophysics (8 C) B.Phy.1561: Introduction to Physics of Complex Systems (6 C) B.Phy.1571: Introduction to Biophysics (6 C) B.Phy.5402: Advanced Quantum Mechanics (6 C) B.Phy.5513: Numerical fluid dynamics (6 C) B.Phy.5516: Physik der Galaxien (3 C) B.Phy.5517: Physics of the Sun, Heliosphere and Space Weather: Key Knowledge (3 C) B.Phy.5518: Physics of the Sun, Heliosphere and Space Weather: Space Weather Applications (3 C) B.Phy.5523: General Relativity (6 C) B.Phy.5601: Theoretical and Computational Neuroscience I (3 C) B.Phy.5602: Theoretical and Computational Neuroscience II (3 C) B.Phy.5605: Computational Neuroscience: Basics (3 C) B.Phy.5624: Introduction to Theoretical Neuroscience (4 C) B.Phy.5651: Advanced Computational Neuroscience (3 C) B.Phy.5652: Advanced Computational Neuroscience II (3 C) B.Phy.5665: Processing of Signals and Measured Data (3 C) B.Phy.5670: Grundlagen der Magnetresonanztomographie (6 C) B.Phy.5676: Computer Vision and Robotics (9 C) B.Phy.5725: Renormalization group theory and applications (6 C) B.Phy.5805: Quantum field theory I (6 C) B.Phy.5810: Physics of the Higgs boson (3 C)	M.Phy.409: Research Seminar Astro-/Geophysics (4 C) M.Phy.410: Research Seminar Biophysics/Physics of Complex Systems (4 C) M.Phy.411: Research Seminar Solid State/Materials Physics (4 C) M.Phy.412: Research Seminar Particle Physics (4 C) M.Phy.413: General Seminar (4 C) M.Phy.415: Research Seminar Theoretical Physics (4 C) M.Phy.5401: Advanced Statistical Physics (6 C) M.Phy.541: Advanced Topics in Classical Theoretical Physics I (6 C) M.Phy.542: Advanced Topics in Classical Theoretical Physics II (6 C) M.Phy.543: Advanced Topics in Theoretical Quantum Physics I (6 C) M.Phy.544: Advanced Topics in Theoretical Quantum Physics II (6 C) M.Phy.551: Advanced Topics in Astro-/Geophysics I (6 C) M.Phy.552: Advanced Topics in Astro-/Geophysics II (6 C) M.Phy.571: Advanced Topics in Solid State/Materials Physics I (6 C) M.Phy.572: Advanced Topics in Solid State/Materials Physics II (6 C)
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VI. Computer science (Not all modules are in English, you find the teaching language in the module description)

In "Computer Science" as a minor subject all the modules with module number B.Inf.**** or M.Inf.**** can be chosen except: • B.Inf.1101: Grundlagen der Informatik und Programmierung • B.Inf.1102: Grundlagen der Praktischen Informatik • B.Inf.1801: Programmierkurs  Look for these B.Inf/M.Inf.*** in the online course catalog in the "Faculty of Mathematics and computer Science" - > "Computer Science". Using the search function of the online course catalog with "show all possible search criteria" and then Organizational unit = "Institut für Informatik" Teaching language = "english" can be useful as well. In addition, the following modules may be chosen: B.Phy.5601: Theoretical and Computational Neuroscience I (3 C) B.Phy.5602: Theoretical and Computational Neuroscience II (3 C) B.Phy.5651: Advanced Computational Neuroscience (3 C) B.Phy.5652: Advanced Computational Neuroscience II (3 C) B.Phy.5676: Computer Vision and Robotics (9 C) M.Phy.5601: Seminar Computational Neuroscience/Neuroinformatik (4 C)	This is the short list of MDS computer Science modules for the MDS track: B.Inf.1236: Machine Learning (6 C) B.Inf.1237: Deep Learning for Computer Vision (6 C) B.Inf.1240: Visualization (6 C) B.Inf.1241: Computational Optimal Transport (6 C) B.Inf.1244: Data Management for Data Science (5 C) M.Inf.1112: Effiziente Algorithmen (5 C) M.Inf.1141: Semistrukturierte Daten und XML (6 C) M.Inf.1171: Cloud and Service Computing (5 C) M.Inf.1172: Using Research Infrastructures (5 C) M.Inf.1185: Sensor Data Fusion (5 C) M.Inf.1186: Seminar Hot Topics in Data Fusion and Analytics (5 C) M.Inf.1188: Mobile Robotics (5 C) M.Inf.1232: Parallel Computing (6 C) M.Inf.1244: Seminar on optimal transport (5 C) M.Inf.1802: Praktikum XML (6 C) M.Inf.1808: Practical Course on Parallel Computing (6 C) M.Inf.2102: Advanced Statistical Learning for Data Science (6 C) M.Inf.2201: Probabilistic Machine Learning (9 C) M.Inf.2203: Interpretierbarkeit und Bias in Modellen des maschinellen Lernens (6 C) M.Inf.2204: Introduction to Graph Machine Learning (5 C) M.Inf.2241: Current Topics in Machine Learning (5 C)
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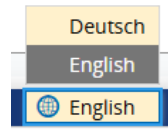
- VII. Key competencies (12 C minimum) In Göttingen, interdisciplinary and/or job-oriented qualifications are called key competencies. Among others, foreign languages, method, self and social competencies are part of this. You can for example choose a German course.

Maths key competencies (Not all modules are in English, you find the teaching language in the module description)	Other allowed key competencies	General information about German classes
At least one module from this is list compulsory: B.Mat.0732: Practical course in scientific computing: Basics (3 C) B.Mat.0733: Practical course in scientific computing: Extensions (3 C) B.Mat.0736: Practical course in scientific computing: Advanced extensions (6 C) B.Mat.0739: Practical course in scientific computing in the context of a research project or a business project (9 C) B.Mat.0721: Mathematisch orientiertes Programmieren (6 C) M.Mat.0731: Advanced practical course in scientific computing (10 C) M.Mat.0741: Advanced practical course in stochastics (10 C) B.Mat.0743: Stochastisches Praktikum: Einführung (3 C) B.Mat.0746: Practical course in stochastics: advanced course (6 C) B.Mat.0921: Einführung in TeX/LaTeX und praktische Anwendungen (3 C) B.Mat.0922: Mathematics information services and electronic publishing (3 C) B.Mat.0923: Scientific Writing (3 C) B.Mat.0931: Tutorentraining (4 C) B.Mat.0932: Vermittlung mathematischer Inhalte an ein Fachpublikum (3 C) B.Mat.0935: Historische, museumspädagogische und technische Aspekte für den Aufbau, Erhalt und die Nutzung wissenschaftlicher Modellsammlungen (4 C) B.Mat.0936: Medienbildung zu mathematischen Objekten und Problemen (4 C) B.Mat.0940: Mathematik in der Welt, in der wir leben (3 C) B.Mat.0950: Mitgliedschaft in der studentischen oder akademischen Selbstverwaltung (3 C) B.Mat.0951: Ehrenamtliches Engagement in einem mathematischen Umfeld (3 C) B.Mat.0952: Organisation einer mathematischen Veranstaltung (3 C) B.Mat.0970: Betriebspraktikum (8 C) M.Mat.0971: Internship (10 C) B.Mat.3099: Abschlussarbeitseminar und gute wissenschaftliche Praxis (6 C)	For the rest to fill up to the minimum of 12 C you can choose between the modules you find here: Search all key competencies: https://www.uni-goettingen.de/de/196175.html Only English ones you can search here: Search only the English ones: https://www.uni-goettingen.de/en/605983.html Some special key competencies option especially for international students can be found here: https://uni-goettingen.de/en/691122.html German courses are also allowed, see last column.	- It is obligatory to take a placement test in the German language before you can register for a German class. Find the information about the placement test on the webpage below. - Only if you have no knowledge of German whatsoever, you do not need to take the test. In this case, please register directly in an A 1.1 (Grundstufe 1) level-course. - Registration for all German classes (A1.1. or higher with a respective placement test) is done in Stud.IP. - Usually the registration is open from the first week of the lecture period from Monday on. You have to be very quick to get a slot in the course! - The courses usually begin in the second week of the lecture period. - But please always check on these dates yourself. Current dates for the recent semester and more information on the placement test can be found here: http://www.uni-goettingen.de/en/semester-program-for-german-courses/114195.html

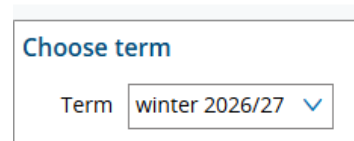
Some clicking/navigating advice for the [online course catalogue](#) and the interactive learning/studying platform [stud.IP](#). I recommend using a device like tablet/notebook/PC and not only a smartphone for both

For the [online course catalogue \(ecampus\): AVAILABLE BEFORE ENROLLMENT ALREADY](#)

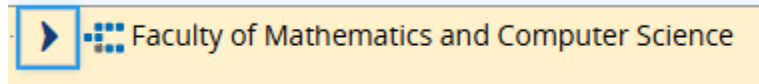
1.) Change the language in the lower right corner



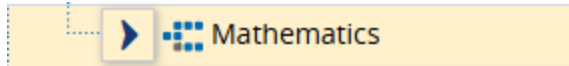
2.) Choose the correct semester in the drop down-menu “Term”



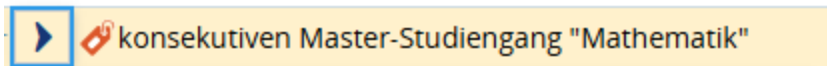
3.) Click on the arrow in front of our Faculty



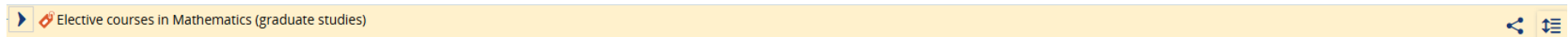
4.) Click on the arrow in front of mathematics



5.) Click on the arrow in front of “konsekutiven Master-Studiengang "Mathematik"”



6.) Click on the “expand all” sign  in the end of the row “Elective courses in Mathematics (graduate studies)”



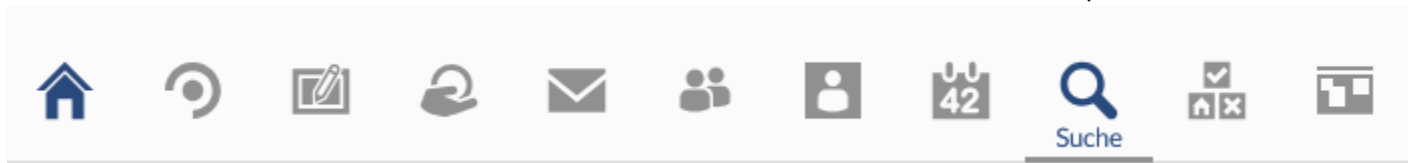
7.) What now opens is a list of all maths courses offered in the chosen semester (also saying the SP they belong to) in the master’s degree programme in mathematics. But please note:

✓ Classes with the open book  sign are offered.

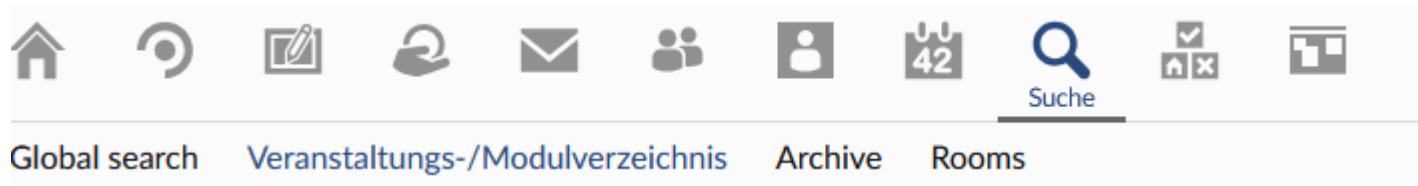
✗ Courses *only* having the  medal symbol will *not* be offered. These are only exam re-sit-options from the last semester.

For [stud.IP](#) : USE THIS AFTER YOUR ENROLLMENT

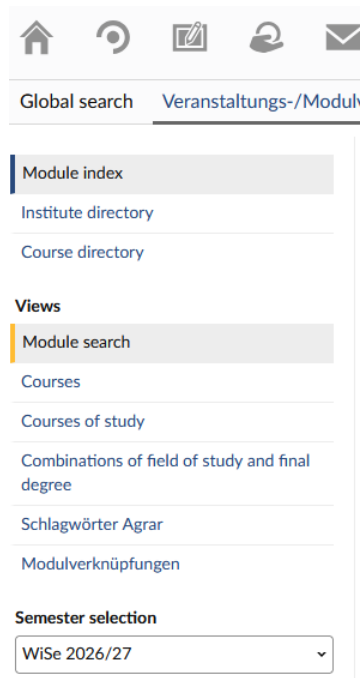
1. Click on the “magnifier” search symbol



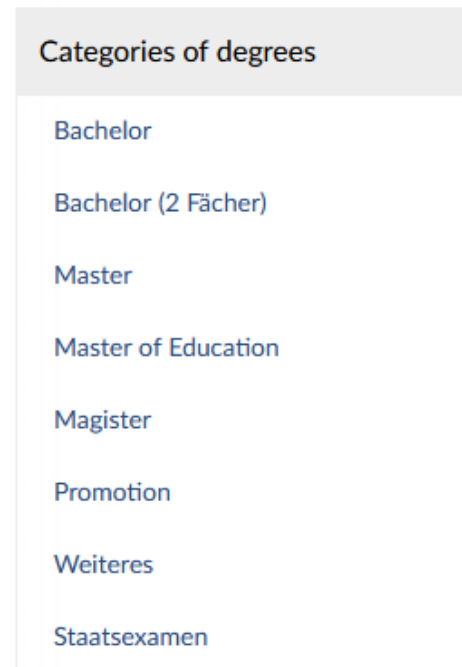
2. Click on “Veranstaltungs-/Modulverzeichnis”



3. Click on “courses of study”



4. Click on “Master”



5. Click on “Master Uni mit Abschluss“

Courses of study > Master

> Master Uni mit Abschluss

> Master-Double Degree

> Master-Joint Degree

> MA Wirtschaft/Beruf



6. Scroll down and Click on Mathematik (Master)

Lateinische Philologie (Master)

Linguistik (Master)

Management (Master)

Marketing und E-Business (Master)

Mathematik (Master)

Matter to Life (Master)

Mittelalter u.Renaissance (Master)

Modern Indian Studies (Master)

Molecular Life Sciences (Master)

Molekulare Medizin (Master)



Versions

Mathematik konsekutiven Master-St... ▾

Semester selection

WiSe 2026/27 ▾

Settings

☒ Display only modules with assigned courses

☒ Collapse all sections



Make sure to choose the most current Version – meaning the option that is the first item on the list.



Choose the correct semester



Check these 2 boxes.

This is the result and you find the courses of the chosen semester in the respective categories by clicking on the categories:

Module index

Institute directory

Course directory

Views

Module search

Courses

Courses of study

Combinations of field of study and final degree

Schlagwörter Agrar

Modulverknüpfungen

Versions

Mathematik konsekutiven Master-St...

Semester selection

WiSe 2026/27

Settings

☒ Display only modules with assigned courses

☒ Collapse all sections

Current module handbooks

Original version as PDF

Output language (Deutsch) as PDF

Output language (English) as PDF

Courses of study > Master > Mathematik (Master) >

Mathematik CP konsekutiven Master-Studiengang "Mathematik"

Mathematik konsekutiven Master-Studiengang "Mathematik", 21. Version valid from WiSe 2026/27

Module	Module component	Information	Semester
> Study tracks in the Master's Degree programme in Mathematics (M.Sc.) - Study track MDS "Mathematical Data Science" - Elective compulsory modules in Mathematics (60 C) - Computer science			
> Elective courses in Mathematics (graduate studies) - Elective compulsory modules in study focus SP 1 "Analysis, geometry, topology"			
> Elective courses in Mathematics (graduate studies) - Elective compulsory modules in study focus SP 2 "Algebra, geometry, number theory"			
> Elective courses in Mathematics (graduate studies) - Elective compulsory modules in study focus SP 3 "Numerical and applied mathematics"			
> Elective courses in Mathematics (graduate studies) - Elective compulsory modules in study focus SP 4 "Mathematical stochastics"			
> Minor subjects in the graduate programme in Mathematics - Business Administration			
> Minor subjects in the graduate programme in Mathematics - Chemistry			
> Minor subjects in the graduate programme in Mathematics - Computer Science -			
> Minor subjects in the graduate programme in Mathematics - Philosophy			
> Minor subjects in the graduate programme in Mathematics - Physics			
> Minor subjects in the graduate programme in Mathematics - Economics			
> Key competencies in the graduate programme in Mathematics			

After navigating to a course you can enroll in the course by clicking on “Go to course”

Actions

Print

Go to course

Add to timetable

Share

Copy link to this course

HISinOne

Veranstaltung in HISinOne

