Information event 2nd term

29 January 2025

Bettina Marth

Agenda

1. Introduction – Bettina Marth
2. Plant-microbe-interactions (M.Bio.104) – Dr. Thomas Spallek
3. Structural biochemistry (M.Bio.106) – Dr. Achim Dickmanns
4. Biochemistry and biophysics (M.Bio.107) – Prof. Ivo Feußner
5. Organising your course of studies – Bettina Marth

Timetable summer term

MSc. Molecular Life Sciences: Microbiology, Biotechnology and Biochemistry

Summer term 2025

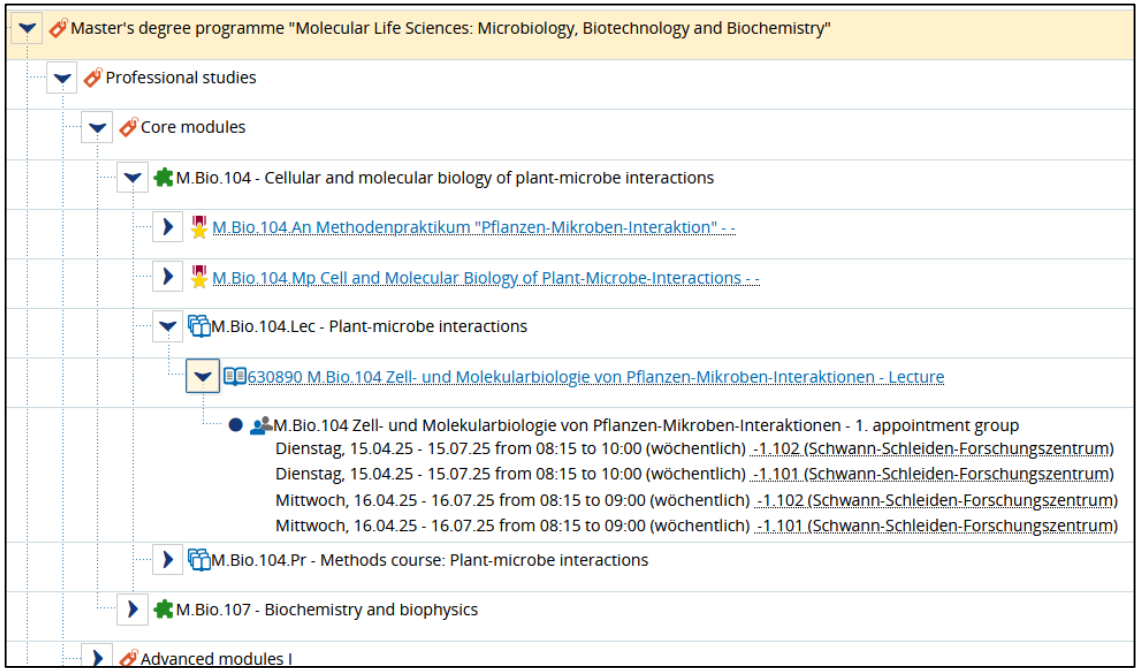
	Lecture period - 14 weeks (14 Apr - 18 Jul 2025)														Lecture-free period
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
block	**M.Bio.104** Plant-microbe interactions (practicals) *14 Apr - 2 May 2025*			additional M.Bio.104 (practicals)	**M.Bio.107/167** Biochemistry and biophysics (practicals) *12 May - 30 May 2025*					**M.Bio.106/166** Structural biochemistry (practicals) *16 Jun - 11 Jul 2025*					
weekly	**M.Bio.104** Plant-microbe interactions (lecture, seminar)												Tue. 8:15 - 10:00, Wed. 8:15 - 10:00		
	M.Bio.144 Plant-microbe interactions (lecture)												Tue. 8:15 - 10:00, Wed. 8:15 - 9:00		
	M.Bio.106/176 Structural biochemistry (lecture, seminar)												Wed. 10:15 - 11:45, Fri. 8:15 - 9:45		
	M.Bio.156 Structural biochemistry (lecture)												Wed. 10:15 - 11:45, Fri. 8:15 - 9:45		
	M.Bio.107 Biochemistry and biophysics (lecture, tutorial)												Mon. 8:15 - 10:00, Thurs. 8:15 - 10:00		
	M.Bio.157 Biochemistry and biophysics (lecture)												Mon. 8:15 - 10:00, Thurs. 8:15 - 9:00		
	M.Bio.146 Applied methods of biosciences												by arrangement		

Mind course catalogue (https://ecampus.uni-goettingen.de) for details on time, date, loaction and exam dates.

last updated: 23 Jan 2025

Find the schedule online https://www.uni-goettingen.de/en/121273.html

Course catalogue/Vorlesungsverzeichnis



- Time and date
- Room number
- Dates of exam

- Sometimes, information not announced yet -> contact the lecturers

- Dates of exam also visible in FlexNow-registration

https://ecampus.uni-goettingen.de

Core modules summer term

1. Plant-microbe-interactions (M.Bio.104) – Dr. Thomas Spallek
2. Structural biochemistry (M.Bio.106) – Dr. Achim Dickmanns
3. Biochemistry and biophysics (M.Bio.107) – Prof. Ivo Feußner

Plan 2nd term

2nd term

module	number	structure and options		C/module	C total
core	**3**	lecture + seminar/tutorial + methods course	choice of **7** different modules	**12**	**36**
profile	**1**	additional core module MLS core module DNB/M.Sc. Chemistry interdisciplinary courses*		**12**	**12**
key competence		course offer ZESS course offer MLS, DNB, BEE interdisciplinary courses*		**2-6**	**12**
advanced	**1**	7 weeks lab course I		**12**	**30**
	1	7 weeks lab course II		**12**	
	1	scientific project management		**6**	
Master thesis (26 weeks)					**30**

	examplary study plan	
term 1	**core I**	**12**
	core II	**12**
	key competence	**6**
term 2	**profile**	**12**
	core III	**12**
	key competence	**6**
term 3	**advanced I**	**12**
	advanced II	**12**
	scientific project management	**6**
term 4	**Master thesis**	**30**

* Permission of examination board required

MLS = M.Sc. Molecular Life Sciences: Microbiology, Biotechnology and Biochemistry

DNB = M.Sc. Developmental, Neural, and Behavioral Biology

BEE = Master Biodiversity, Ecology and Evolution

ZESS = Zentrale Einrichtung für Sprach- und Schlüsselkompetenzen

Profile module – abroad/within Germany

Additional (4th) core module of MLS, DNB, MSc Chemistry

Or approved external profile module and lab rotations, e.g.:

- University Uppsala, **Sweden**
- University of Queensland, Brisbane, **Australia**
- Sanford Burnham Medical Research Institute, San Diego, **USA**
- Donnelly Center, Toronto, **Canada**
- Sainsbury Laboratory, Norwich, **United Kingdom**

- Henkel AG & Co, **Düsseldorf**
- Roche Diagnostics, **Penzberg**
- Bayer Crop Science, **Monheim**
- DSM Nutritional Products, **Basel**

		+ methods course modules		
profile	**1**	additional core module MLS core module DNB/M.Sc. Chemistry interdisciplinary courses*	**12**	**12**

-> file application for approval beforehand (examination board/Prüfungskommission)

Profile module - DNB core modules

Summer term modules:

- Most need first-term modules -> double check the prerequisites
- Free places available via FlexNow 01. April (8pm/20:00) – variable end

For more information on content of the courses:

- Webpage or course catalogue of DNB programme

Profile module – method courses

combination of two methods courses within the MLS-master programme

summer term

M.Bio.167	M.Bio.166
methods course (3 weeks) *Biochemistry and Biophysics*	methods course (3 weeks) *Structural biology*
6 C	6 C

prerequisite: M.Bio.108/158

winter term

M.Bio.168	M.Bio.151	M.Bio.161
methods course (3 weeks) *Enzyme Catalysis and Chemical Biology*	methods course A (3 weeks) *Isolation and characterisation of biotechnologically relevant microorganisms*	methods course B (3 weeks) *Signal transduction in bacteria*
6 C	6 C	6 C

M.Bio.106/107 /156/157

M.Bio.101

Key competence modules of MLS

single components of core modules

winter term

M.Bio.141	M.Bio.151	M.Bio.161
lecture: **General and applied microbiology**	methods course: **Signal transduction in bacteria**	methods course: **Isolation and characterization of biotech. relevant microorganisms**
3 C	6 C	6 C

M.Bio.142	M.Bio.162
lecture: **Molecular genetics and microbial cell biology**	methods course: **Genetics/Cell biology B**
3 C	6 C

M.Bio.158	M.Bio.168
lecture: **Enzyme Catalysis and biological chemistry**	methods course: **Enzyme Catalysis and biological chemistry**
3 C	6 C

summer term

M.Bio.144
lecture: **Plant-microbe interactions**
3 C

M.Bio.157	M.Bio.167
lecture: **Biochemistry and Biophysics**	methods course: **Biochemistry** or **Biophsics**
3 C	6 C

M.Bio.156	M.Bio.166
lecture: **Structural Biochemistry**	methods course: **Structural Biochemistry**
3 C	6 C

sign up via StudIP in order to get access to learning material, attend lecture
register for the written **exam** via FlexNow:**7d/24hrs-rule**
Register for **method course** via FlexNow (open only if places left): **after core module registration**

Please check the module description on our website for information about individual admission requirements of methods courses

Key competence modules of other programmes/university

MLS programme‘s key competencies

- https://www.uni-goettingen.de/en/93662.html

Overview key competencies university

- https://www.uni-goettingen.de/en/196183.html

Cross-faculty key competency modules (in German)

- https://www.uni-goettingen.de/en/cross-faculty+key+competency+modules/196175.html

Cross-faculty key competency modules „for international students“ (offered in English)

- https://www.uni-goettingen.de/en/605983.html

ZESS

- https://www.uni-goettingen.de/en/423445.html

German language courses

- https://www.uni-goettingen.de/en/semester-program-for-german-courses/114195.html

Registration for courses

Registration rules – in general

FlexNow is the system to register in and document your achievements

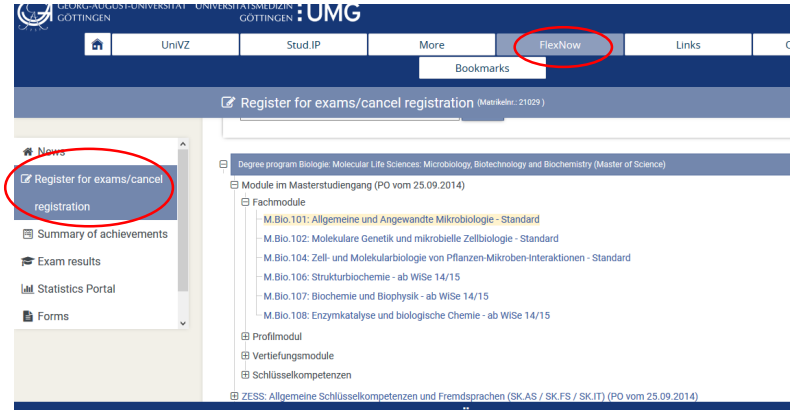
Registration is needed for both, the course and the examination.

Written examination (university wide **7d/24h-rule**):

- Register: at least 7 days before exam (if missed: no participation)
- De-register: up to 24h before exam
- If registered but did not attend -> „failed due to absense“

Courses:

- Differs according to faculty/ZESS/…



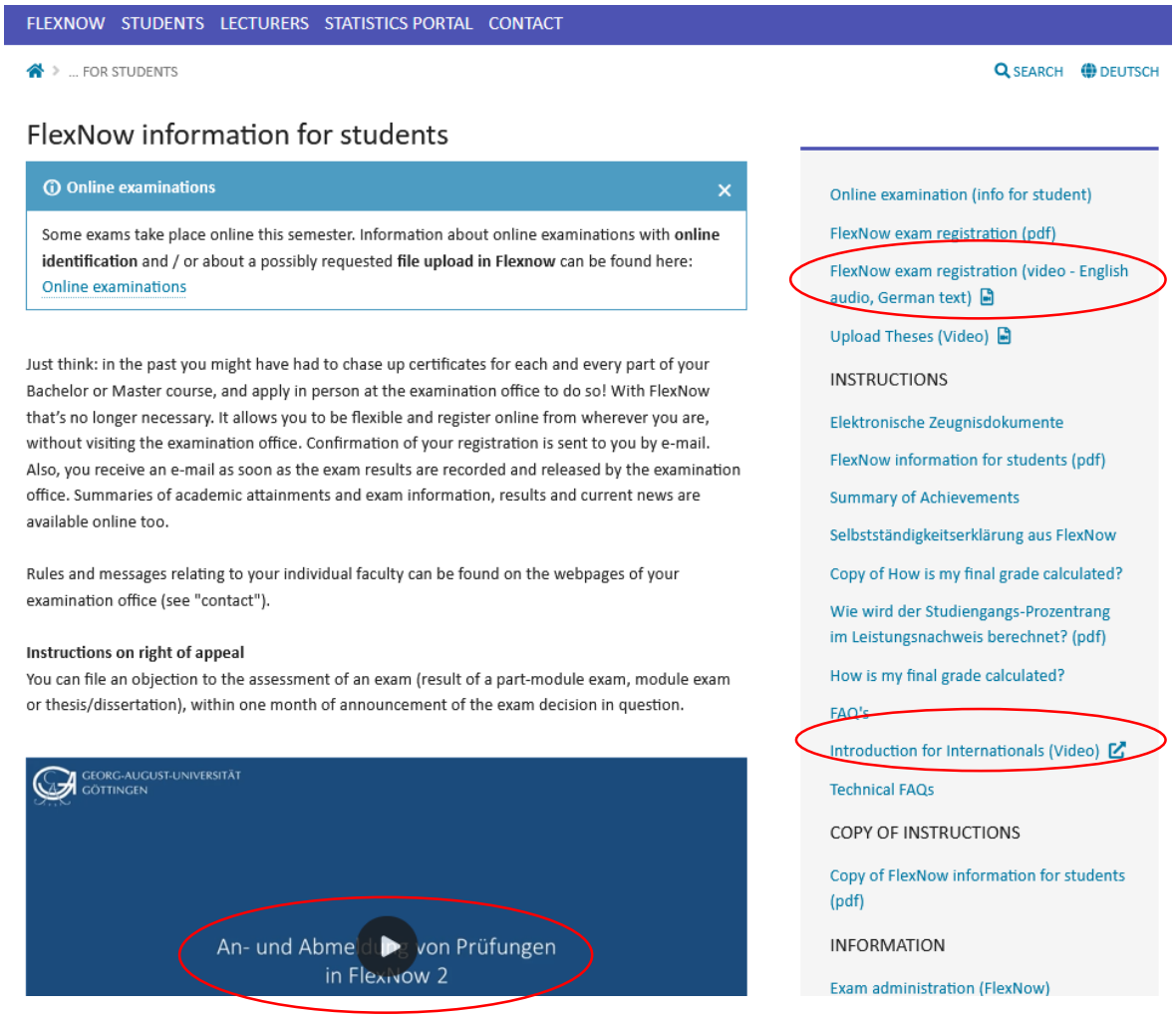
StudIP

- learning materials

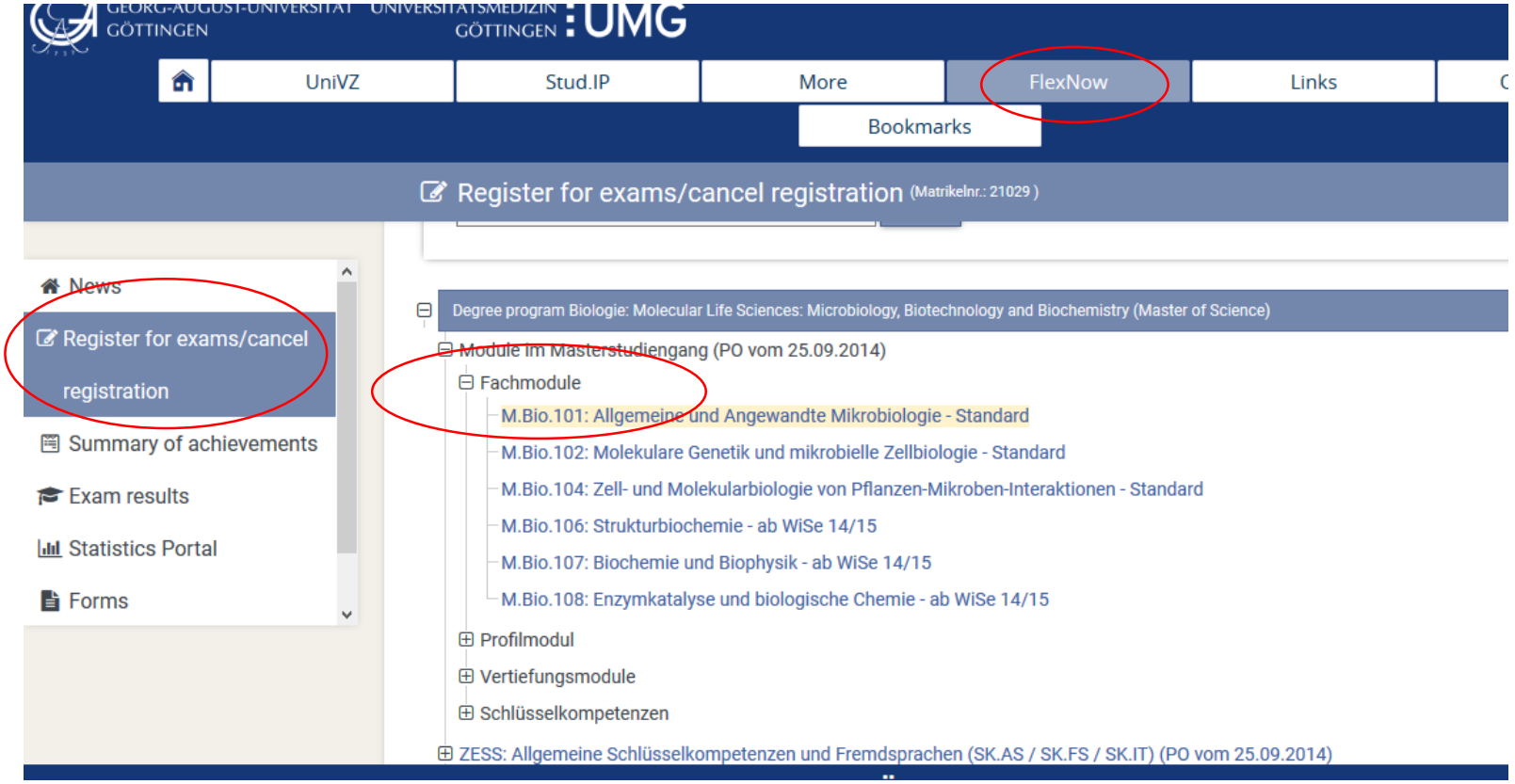
Webpage on registration rules: https://www.uni-goettingen.de/en/74848.html

Registration

FlexNow: https://www.uni-goettingen.de/en/45582.html



Registration in FlexNow



Registration rules

Core modules MLS			
Course/practical part/seminar	M.Bio.1xx.An	FlexNow	*01 Apr (20:00, 8 pm) - course specific end (see FlexStat query 218)*
Examination	M.Bio.1xx.Mp	FlexNow	Written exam: 7d/24h-rule

…first come, first serve

Webpage on registration rules: https://www.uni-goettingen.de/en/74848.html

FlexStat query: https://pruefungsverwaltung.uni-goettingen.de/statistikportal

Registration rules – key competencies

Key competencies			
Courses including seminar or practicals	M.Bio.1xx.An	FlexNow	*01 Apr (20:00, 8 pm) - course specific end (see FlexStat query 218)*
	M.Bio.1xx.Mp	FlexNow	Written exam: 7d/24h-rule
Course with lecture only (MLS)	M.Bio.1xx.Mp	FlexNow	Written exam: 7d/24h-rule
Course with lecture only (DNB)	M.Bio.3xx.Mp	FlexNow	Written exam: 7d/24h-rule
German language courses			
https://www.uni-goettingen.de/en/german+courses+during+studies+/114195.html (assessment online test and registration via SudIP)			
Key competencies cross-faculty and university wide			
All courses	eg. SK.FS.ES-A1	FlexNow or StudIP	https://www.uni-goettingen.de/en/196175.html

Plan ahead: Last year

Last year

module	number	structure and options		C/module	C total
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Core module is prerequisite for advanced module

e.g.

General and applied Microbiology				
Core module			Advanced module	master thesis
lecture	Seminar	methods course	lab course	scientific project management + thesis
3C	3C	6C	12C	36C
M.Bio.101				
			M.Bio.111/M.Bio.121	
				M.Bio.131/ Master thesis

Advanced modules = lab rotations

- all labs/supervisors you meet in your core modules offer advanced modules
- the supervisor has to be affiliated with one of the programme‘s examiners (list of examiners on webpage)
  - contact the group you want to join with possible timeframe
- workload: 360hrs = 9 weeks a 40hrs/week
  - 7 weeks lab work + 2 weeks protocol/presentation/prep. oral exam
- up to two lab rotations within one department, but different research groups
- protocol has to be submitted and date for oral examination arranged shortly after the practical part -> min the module description
- both advanced modules I and II have to be completed before the *scientific project management/master thesis* starts

advanced	**1**	7 weeks lab course I	**12**	**30**
	1	7 weeks lab course II	**12**	
	1	scientific project management	**6**	
Master thesis (26 weeks)				**30**

Registration rules – advanced modules I and II

- Lab rotations are individually arranged, registration is individual
- Contact a supervisor of list of examiners in field of your interest
- FlexNow:
  - Winter term: 01.10. – 31.03.
  - Summer term: 01.04. – 30.09.
  - Register in the term you do most of the work, and after you and supervisor agreed on the topic/advanced module title

Registration rules – advanced modules I and II

- Lab rotations are individually arranged, registration is individual
- Contact a supervisor of list of examiners in field of your interest
- FlexNow:
  - Winter term: 01.10. – 31.03.
  - Summer term: 01.04. – 30.09.
  - Register in the term you do most of the work, and after you and supervisor agreed on the topic/advanced module title

Information on working groups/labs: **Master-Information-Day** in June

- Postersession
- Guided tours through labs

Advanced module III (M.Bio.131)

„Scientific project management“

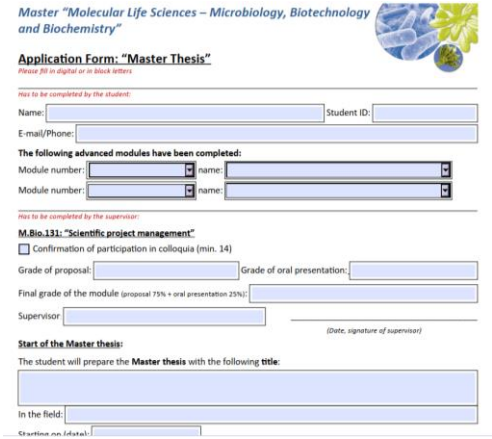
- Module description
- Draft application for a research project (Master thesis), max. 20 pages (75% of the grade)
- Presentation and discussion, ca 30 minutes (25% of the grade)
- Participation in colloquia (minimum 14)

Colloquia

- **14 colloquia** before starting your master thesis
- all colloquia (invited speakers) at the GRC (Göttingen Research Campus) are applicable
- Download the form at the beginning of your studies
- Mind “Rules for colloquia” (pdf online, webpage “forms and documents”)
- List of seminars and events: https://www.uni-goettingen.de/en/seminars+and+events/67322.html

Master thesis

- Requirements:
  - 78C within the curriclum finished including all advanced modules + M.Bio.131
- Duration: max. 26 weeks
  - Extension of a maximum of 28 days possible
    - if you get sick (medical certificate to be handed in at the examination office)
    - in case of unforeseen reasons not attributed to the candidate (application with statement of first supervisor to the examination committee)
- Registration in FlexNow:
  - Via examination office: "Application form Master thesis"
  - Sets the title of the thesis (! final transcript)
  - Sets date of latest submission (visible in FlexNow)
- Note:
  - No payment for master thesis allowed
  - Restrictions for student assistant jobs
  - Thesis could also be done in a different lab than advanced modules, if supervisor agree



Master "Molecular Life Sciences – Microbiology, Biotechnology and Biochemistry"

Application Form: "Master Thesis"

Please fill in digital or in block letters

Has to be completed by the student:

Name: Student ID:

E-mail/Phone:

The following advanced modules have been completed:

Module number: name:

Module number: name:

Has to be completed by the supervisor:

M.Bio.131: "Scientific project management"

Confirmation of participation in colloquia (min. 14)

Grade of proposal: Grade of oral presentation:

Final grade of the module (proposal 75% + oral presentation 25%):

Supervisor

(Date, signature of supervisor)

Start of the Master thesis:

The student will prepare the **Master thesis** with the following **title:**

In the field:

Starting on (date):

Master‘s programme -> Job

Final certificates

- Examination office issues certificates
  - final transcript of records + final certificate
- Use form „Application for Master Certificate MLS“

Support to start your career

- Career service of our University
- Alumni Göttingen
- Career information for the field of life sciences
- Perspectives lecture series of our faculty

Resources

Remember (see information session October last year)

Examination regulations and module descriptions

- Find the documents here: https://www.uni-goettingen.de/de/88934.html

eCampus: https://ecampus.uni-goettingen.de

Self services: https://www.uni-goettingen.de/en/14632.html

StudIP group/slides of information meetings:

- https://studip.uni-goettingen.de/dispatch.php/course/studygroup/details/46474177ea453183273b9915020ef61f?again=yes

Options for a stay abroad during studies:

- Faculty: https://www.uni-goettingen.de/de/international/450662.html
- Göttingen International: https://www.uni-goettingen.de/de/312388.html

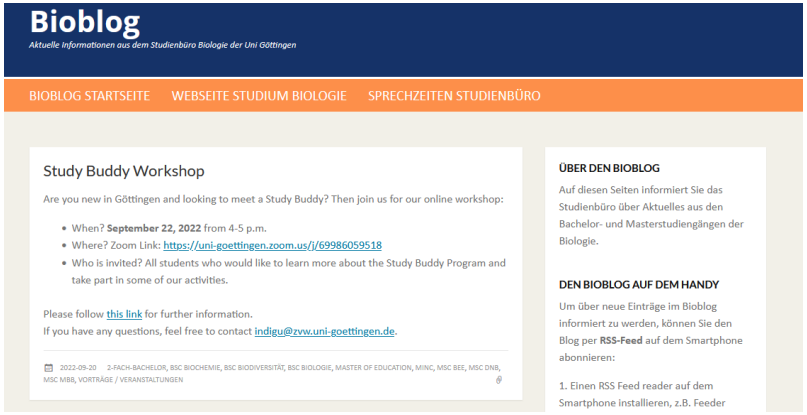
Stay up to date

General information from our faculty

- Bioblog: https://bioblog.uni-goettingen.de/
- Webpages: https://www.uni-goettingen.de/en/faculty/54579.html
- E-Mail: stud.uni-goettingen.de!

All official information from your university

- Your stud.uni-goettingen-e-mail-address! Check it regularly!
- https://news.uni-goettingen.de/



Who to ask

Registration for next term

- **Registrar's office** (Studienzentrale/Studierendenbüro am Wilhelmsplatz)

Course detail information

- lecturers

Course of studies/study plan/lab rotations/course recognition

- **Study advisory office**: Bettina Marth
- studienbuero@biologie.uni-goettingen.de
- Office hours: https://www.uni-goettingen.de/en/84567.html

FlexNow registration difficulties, final certificates, examination board

- **Examination office**: Michaela Deutinger
- bio.pruefung@bio.uni-goettingen.de
- Office hours: https://www.uni-goettingen.de/en/74129.html

Helping to shape your programme

As students‘ representatives in…

- **admission committee** decides about the admission of new students. You'll be informed about the ongoing selection process and invited to be part of the interviews with a few applicants.

- **examination board** decides about all questions related to the study program and examination rules. The members meet only once a year. Most questions are dealt with via email. The students representative is always informed about these decisions and should represent the students opinion.

- **student union („Fachgruppe Biologie“)** organises orientation week, is engaged in different committees. Master students missing! Contact: https://fgbio.uni-goettingen.de/eure-fachgruppe/

- **Masterinfo/interviewday** in June (**20.06.25**): help organizing, chat with new applicants

- **Quality Management organisation team** prepares discussion rounds as part of the decentralized quality manangement

→ Contact me or other students/current representatives, if you wish to get involved

Good luck for the upcoming exams!