



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, location and exam dates.

last updated: 23 Jan 2025

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



Course catalogue/Vorlesungsverzeichnis

▼	🔗 Master's degree programme "Molecular Life Sciences: Microbiology, Biotechnology and Biochemistry"
▼	🔗 Professional studies
▼	🔗 Core modules
▼	🌿 M.Bio.104 - Cellular and molecular biology of plant-microbe interactions
▶	🌟 M.Bio.104 An Methodenpraktikum "Pflanzen-Mikroben-Interaktion" - -
▶	🌟 M.Bio.104 Mp Cell and Molecular Biology of Plant-Microbe-Interactions - -
▼	📅 M.Bio.104.Lec - Plant-microbe interactions
▼	📅 630890 M.Bio.104 Zell- und Molekularbiologie von Pflanzen-Mikroben-Interaktionen - Lecture
●	👤 M.Bio.104 Zell- und Molekularbiologie von Pflanzen-Mikroben-Interaktionen - 1. appointment group Dienstag, 15.04.25 - 15.07.25 from 08:15 to 10:00 (wöchentlich) - 1.102 (Schwann-Schleiden-Forschungszentrum) Dienstag, 15.04.25 - 15.07.25 from 08:15 to 10:00 (wöchentlich) - 1.101 (Schwann-Schleiden-Forschungszentrum) Mittwoch, 16.04.25 - 16.07.25 from 08:15 to 09:00 (wöchentlich) - 1.102 (Schwann-Schleiden-Forschungszentrum) Mittwoch, 16.04.25 - 16.07.25 from 08:15 to 09:00 (wöchentlich) - 1.101 (Schwann-Schleiden-Forschungszentrum)
▶	📅 M.Bio.104.Pr - Methods course: Plant-microbe interactions
▶	🌿 M.Bio.107 - Biochemistry and biophysics
▶	🔗 Advanced modules I

- 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

* 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

exemplary 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



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)	methods course (3 weeks)
<i>Biochemistry and Biophysics</i>	<i>Structural biology</i>
6 C	6 C

prerequisite:

M.Bio.108/158

winter term

M.Bio.168	M.Bio.151	M.Bio.161
methods course (3 weeks)	methods course A (3 weeks)	methods course B (3 weeks)
<i>Enzyme Catalysis and Chemical Biology</i>	<i>Isolation and characterisation of biotechnologically relevant microorganisms</i>	<i>Signal transduction in bacteria</i>
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
lecture: Biochemistry and Biophysics
3 C

M.Bio.167
methods course: Biochemistry or Biophysics
6 C

M.Bio.156
lecture: Structural Biochemistry
3 C

M.Bio.166
methods course: Structural Biochemistry
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**):

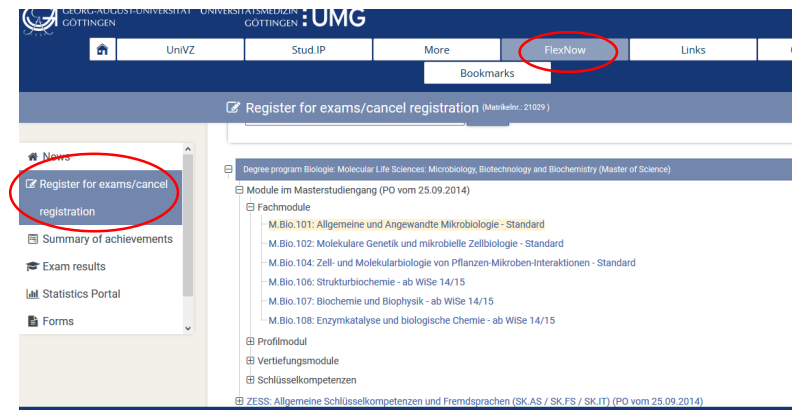
- Register: at least 7 days before exam (if missed: no participation)
- De-register: up to 24h before exam
- If registered but did not attend -> „failed due to absense“

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>

[FLEXNOW](#)
[STUDENTS](#)
[LECTURERS](#)
[STATISTICS PORTAL](#)
[CONTACT](#)

 > ... FOR STUDENTS

 SEARCH
  DEUTSCH

FlexNow information for students

 Online examinations
 

Some exams take place online this semester. Information about online examinations with **online identification** and / or about a possibly requested **file upload in Flexnow** can be found here:

[Online examinations](#)

Just think: in the past you might have had to chase up certificates for each and every part of your Bachelor or Master course, and apply in person at the examination office to do so! With FlexNow that's no longer necessary. It allows you to be flexible and register online from wherever you are, without visiting the examination office. Confirmation of your registration is sent to you by e-mail. Also, you receive an e-mail as soon as the exam results are recorded and released by the examination office. Summaries of academic attainments and exam information, results and current news are available online too.

Rules and messages relating to your individual faculty can be found on the webpages of your examination office (see "contact").

Instructions on right of appeal

You can file an objection to the assessment of an exam (result of a part-module exam, module exam or thesis/dissertation), within one month of announcement of the exam decision in question.



GEORG-AUGUST-UNIVERSITÄT
GÖTTINGEN

An- und Abmeldung von Prüfungen
in FlexNow 2

Online examination (info for student)

FlexNow exam registration (pdf)

FlexNow exam registration (video - English audio, German text) 

Upload Theses (Video) 

INSTRUCTIONS

Elektronische Zeugnisdokumente

FlexNow information for students (pdf)

Summary of Achievements

Selbstständigkeitserklärung aus FlexNow

Copy of How is my final grade calculated?

Wie wird der Studiengangs-Prozentrang im Leistungsnachweis berechnet? (pdf)

How is my final grade calculated?

FAQ's

Introduction for Internationals (Video) 

Technical FAQs

COPY OF INSTRUCTIONS

Copy of FlexNow information for students (pdf)

INFORMATION

Exam administration (FlexNow)



Registration in FlexNow



The screenshot shows the website of the Georg-August-Universität Göttingen (UMG). The top navigation bar includes links for UniVZ, Stud.IP, More, FlexNow (circled in red), and Links. Below this is a 'Bookmarks' section. The main content area features a 'Register for exams/cancel registration' button (Matrikelnr.: 21029) and a list of degree programs. The left sidebar contains a 'News' section and a 'Register for exams/cancel registration' button (circled in red). The main content area displays the 'Degree program Biologie: Molecular Life Sciences: Microbiology, Biotechnology and Biochemistry (Master of Science)' and a list of 'Module im Masterstudiengang (PO vom 25.09.2014)'. The 'Fachmodule' section is circled in red and lists several modules, including 'M.Bio.101: Allgemeine und Angewandte Mikrobiologie - Standard'.

GEORG-AUGUST-UNIVERSITÄT GÖTTINGEN UNIVERSITÄTSMEDIZIN GÖTTINGEN :UMG

UniVZ Stud.IP More FlexNow Links

Bookmarks

Register for exams/cancel registration (Matrikelnr.: 21029)

News

Register for exams/cancel registration

Summary of achievements

Exam results

Statistics Portal

Forms

Degree program Biologie: Molecular Life Sciences: Microbiology, Biotechnology and Biochemistry (Master of Science)

Module im Masterstudiengang (PO vom 25.09.2014)

Fachmodule

- M.Bio.101: Allgemeine und Angewandte Mikrobiologie - Standard
- M.Bio.102: Molekulare Genetik und mikrobielle Zellbiologie - Standard
- M.Bio.104: Zell- und Molekularbiologie von Pflanzen-Mikroben-Interaktionen - Standard
- M.Bio.106: Strukturbiochemie - ab WiSe 14/15
- M.Bio.107: Biochemie und Biophysik - ab WiSe 14/15
- M.Bio.108: Enzymkatalyse und biologische Chemie - ab WiSe 14/15

Profilmodul

Vertiefungsmodule

Schlüsselkompetenzen

ZESS: Allgemeine Schlüsselkompetenzen und Fremdsprachen (SK.AS / SK.FS / SK.IT) (PO vom 25.09.2014)



Registration rules

Core modules MLS			
Course/practical part/seminar	M.Bio.1xx.An	FlexNow	<i>01 Apr (20:00, 8 pm) - course specific end (see FlexStat query 218)</i>
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	<i>01 Apr (20:00, 8 pm) - course specific end (see FlexStat query 218)</i>
	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
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

* 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

	exemplary 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



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

Save the date:
Master-Information-Day
20 June 2025





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 curriculum 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 black 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:

Character: min. 10 characters

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/>

Bioblog

Aktuelle Informationen aus dem Studienbüro Biologie der Uni Göttingen

BIOBLOG STARTSEITE WEBSITE STUDIUM BIOLOGIE SPRECHZEITEN STUDIENBÜRO

Study Buddy Workshop

Are you new in Göttingen and looking to meet a Study Buddy? Then join us for our online workshop:

- When? **September 22, 2022** from 4-5 p.m.
- Where? Zoom Link: <https://uni-goettingen.zoom.us/j/69986059518>
- Who is invited? All students who would like to learn more about the Study Buddy Program and take part in some of our activities.

Please follow [this link](#) for further information.

If you have any questions, feel free to contact indigu@rw.uni-goettingen.de.

2022-09-20 2-FACH-BACHELOR, BSC BIOCHEMIE, BSC BIODIVERSITÄT, BSC BIOLOGIE, MASTER OF EDUCATION, MING, MSC BEE, MSC DNB, MSC MBB, VORTRÄGE / VERANSTALTUNGEN

ÜBER DEN BIOBLOG

Auf diesen Seiten informiert Sie das Studienbüro über Aktuelles aus den Bachelor- und Masterstudiengängen der Biologie.

DEN BIOBLOG AUF DEM HANDY

Um über neue Einträge im Bioblog informiert zu werden, können Sie den Blog per **RSS-Feed** auf dem Smartphone abonnieren:

1. Einen RSS Feed reader auf dem Smartphone installieren, z.B. Feeder



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!