

**Guidelines on the examination regulations of the master degree programme
Nanoscience and Nanotechnology as of June, 6th 2023,
including amendments as of May, 14th 2024**

Depending on the bachelor background students have to complete compulsory modules assigned for the first semester. The compulsory modules are shown in students' unisono account.

Compulsory modules from the first semester with Physics bachelor background:

➤		General chemistry for physicists	Modul	4CHEMMAEX04
➤		Advanced solid-state physics for nanoscience	Modul	4PHYMAEX02
➤		Nanotechnology	Modul	4ETMA358
➤		Graduate nano-seminar	Modul	4NANOMA1

Compulsory modules from the first semester with Chemistry bachelor background:

➤		Solid-state physics for nanoscience	Modul	4PHYMAEX01
➤		Quantum theory for nanoscience	Modul	4PHYMAEX03
➤		Nanotechnology	Modul	4ETMA358
➤		Graduate nano-seminar	Modul	4NANOMA1

Compulsory modules from the first semester with Electrical Engineering bachelor background:

►  General Modul chemistry for engineers	4CHEMMAEX03
►  Solid- Modul state physics for nanoscience	4PHYMAEX01
►  Quantum theory for nanoscience	4PHYMAEX03
►  Graduate nano- seminar	4NANOMA1

Compulsory modules from the first semester with other bachelor backgrounds shall be determined by the examination board.

Compulsory modules scheduled for the second semester for all students are as follows:

4NANOMA2	Nanochemistry
4NANOMA3	Physics of nanoelectronic devices
4NANOMA4	Lab-course micro and nanotechnology
4NANOMA5	Lab-course nanosynthesis, nanosafety and nanoanalytics

One elective module is scheduled for the first and the second semester as well. Four elective modules are a part of the curriculum. One elective module can be chosen out of the whole range of the modules offered by the faculty IV.

Students must register for the lectures, exercises, laboratory courses etc. Each coursework and written or oral examination should be registered for through unisono in due time. Otherwise, the evaluation can't be booked and thus credit points shall not be added to the student account. Some modules consist of a coursework and an examination. Furthermore, a successful completion of a coursework can be a requirement for a registration to an exam. Courseworks (for example exercises, presentations, lab course reports etc.), which shall not take place / shall not be done in the current semester, should be deregistered through unisono until the end of the current semester. The registrations shall not be transferred into the next semester and thus registration in the new semester shall not be possible! The information on this can be found in the module descriptions in the examination regulations as of 2023.

One example of a module illustration in unisono where you can see which parts the module consists of:

 General chemistry Module for physicists		4CHEMMAEX04
  General chemistry for physicists (Vorlesung)	Lecture Group	4CHEMMAEX04-VG1
  General chemistry for physicists (Übung)	Lecture Group	4CHEMMAEX04-VG2
  General chemistry for physicists (Laborpraktikum)	Lecture Group	4CHEMMAEX04-VG3
  Laborpraktikum General chemistry for physicists	Course Achievement	4CHEMMAEX04-S
  Prüfungsleistung General chemistry for physicists	examination	4CHEMMAEX04-P

There are two examination periods each semester. The exact periods as well as the registration deadlines shall be announced by the examination office in due time. Registration for the examinations offered by other departments might have other deadlines!

Should you face problems with registration for the exams please contact the examination office immediately (on the next working day after the end of the relevant registration period at the latest). Screenshots of error messages or disorders might be helpful.

Examinations, with exception of the master thesis, which are failed or considered as not passed, can be repeated twice. Non-graded academic achievements can be repeated without restriction. If the right to examination in one of the elective modules is revoked, the candidate can choose another elective module one time only.

Additionally, there is a possibility to apply for **one improvement** in a module in the **fourth semester**. Master thesis, laboratory course Micro and Nanotechnology, laboratory course Nanosynthesis, nanosafety and nanoanalytics, research project and all modules offered by the department of Electrical Engineering and Computer Science are excluded from this regulation.

If an examination entitlement **expires** in a compulsory module, the candidate may apply to the examination committee within four weeks for an **oral examination** in the module for which the examination qualification has expired, provided certain conditions are fulfilled. The oral examination must be conducted within six weeks after the announcement of the results. This oral examination is not possible after the sixth semester. Master thesis and all modules with the number 4ETMA... are excluded from this regulation.

Free attempt regulation

1. non-applicable to: master thesis, laboratory course Micro and Nanotechnology, laboratory course Nanosynthesis, nanosafety and nanoanalytics, research project and all modules offered by the department of Electrical Engineering and Computer Science
2. non-applicable if the examination was declared to be unsuccessful on the basis of an unlawful conduct, in particular an attempt to deceive:

A failed examination shall be considered as a free attempt (=shall not be counted) upon an application to the examination office if:

- it is registered and taken in the first examination period of the semester according to the curriculum and

- is repeated directly in the second examination period of the same semester.

The grade of a passed free attempt can be improved in the second examination period of the same semester only!

Registration for the examinations (as a part of the requirements of the free attempt regulation) in the second examination period can be done through the examination office only!

Regular withdrawal should be done through unisono **seven** days prior to the examination date. Unisono system calculates the exact time depending on the beginning time of the respective examination.

Withdrawal due to a sickness should be done through the examination office immediately (however, within 3 working days after the examination date at the latest!).

Application for admission to a **master thesis** should be done through the examination office. Application form can be found on the homepage of the master degree programme Nanoscience and Nanotechnology. Requirements for an admission to a master thesis are successfully completed compulsory modules from the first and the second semester with at least 60 credit points in total. Once 90 credit points have been achieved students have to apply for an admission to a master thesis within 4 weeks.