Guidelines on the examination regulations of the master degree program Nanoscience and Nanotechnology as of June, 6th 2023

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

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. 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!

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 **a single one improvement** in one 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 is not possible after the sixth semester. All modules with the number 4ETMA… are excluded from this regulation.

If an exam, with exception of the following modules: 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, is failed by otherwise continuous studies in consistence with the curriculum (right sequence of the modules, exam taken in the first examination period after the respective lecture and not having been repeated yet), it can be counted as a **free attempt** upon an application addressed to the examination office. This regulation does not apply if the examination was declared to be unsuccessful on the basis of an unlawful conduct, in particular an attempt to deceive.

Improvements should be registered through the examination office within the examination registration period and done in the second examination period directly after the free attempt.

Courseworks (for example exercises, tutorials, lab courses 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!

Should you face problems while signing in 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.

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 program 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.