

## Excerpt of the Examination Regulations for the Master’s program Computational Mechanics

In the following, we summarize the study regulations for the Master’s program Computational Mechanics in English. The information given here is without guarantee and not legally binding. The official document that is legally binding is the ‘Fachprüfungsordnung’ published on our web presence/Wiki.

### 1. Description of the institutional grading system

The subject grade is the average of the individual examination grades in that subject and is expressed according to the following scale:

1,0	to	1,5	“very good”
1,6	to	2,5	“good”
2,6	to	3,5	“satisfactory”
3,6	to	4,0	“sufficient”
4,1	to	5,0	“fail”

#### ECTS Grade

1,0	to	1,5	Grade A	“excellent”
1,6	to	2,0	Grade B	“very good”
2,1	to	3,0	Grade C	“good”
3,1	to	3,5	Grade D	“satisfactory”
3,6	to	4,0	Grade E	“sufficient”
4,1	to	5,0	Grade F	“fail”

The ECTS Grade does not indicate the student’s relative performance.

### 2. Registration for a lecture/seminar course

- Click on **"Study status/Curriculum"** in your TUMonline calling card. Click on your study program and choose the desired course from your schedule (tree structure) and register.
- Please note:  
The flags in this tree structure have got the following meaning:  
orange: indicates a module which consists out of  
red: lectures – and  
green: examinations.
- If the course you are looking for is not in your schedule, it is not part of your schedule. You can register anyway, but if you would like to get credits for it, you should contact the course coordinator and clarify, whether the course can be accredited within the 10 individual elective credits. In order to register, click on "Course registration/withdrawal" in your calling card and search the lecture/seminar directly. **Do not** use this possibility for courses which are part of the CoMe program to avoid problems with the allocation of your achievements.

### 3. Registration for the examinations

The registration periods for examinations are the following:

Winter semester: 01<sup>st</sup> to 31<sup>st</sup> January

Summer semester: 01<sup>st</sup> to 31<sup>st</sup> July

These periods may not be valid for some elective courses, which are held, e.g., as a block course.

#### How do I register for an examination in TUMonline?

- Click on "**Study status/Curriculum**" in your TUMonline calling card. **Do not use "Exam registration"** for exams that are regular exams in the CoMe program (You can easily register for the wrong examination, as we got examinations with the same name and date, which are valid only for other study programs!).  
Click on your study program and choose the desired examination from your schedule (tree structure) and register.
- Please note:  
The flags in this tree structure have got the following meaning:  
orange: indicates a module which consists out of  
red: lectures – and  
green: examinations.
- If you wish to register for an examination which is **not** part of the COME program, select "**Exam registration**" in your TUMonline calling card. Here you can search for the relevant examination and register by clicking on the "Register" button. If you would like to get credits for it, you should contact the course coordinator and clarify, whether the course can be accredited within the 10 individual elective credits. **Do not** use this possibility for Courses which are part of the COME program to avoid problems with the allocation of your achievements.

#### How do I get a print-out of my course grades?

Click on "**Transcripts**" in your calling card. Here you can download and print out an account statement or grade report showing all your grades to date.

**Tutorials, FAQs and further instructions for TUMonline can be found here:**

<https://wiki.tum.de/display/docs/Studierende>

### 4. Regulations for students withdrawing from examinations

#### Preliminary remark:

- Currently you may retake an examination as often as you need, therefore it doesn't have any effect if you do not attend an examination for which you are registered. You will just waste your examination paper – so think about the environment and deregister examinations which you won't attend for sure. You can do this the same way as the registration - and up to 3 days before the examination takes place.
- In order to be aware of their rights and obligations, all examination candidates should take note of the APSO examination regulations and statutes, which are published on the TUM's website under "[Allgemeine Prüfungs- und Studienordnung \(Bachelor's and Master's Programs\)](#)".

## 5. Different types of modules

All (required, elective) modules are graded and considered in the overall grade point average. An examination is deemed passed if it has been graded at least “Sufficient” (4.0). The overall grade for the Master’s Examination will be calculated as the weighted grade average of the subjects and the Master’s Thesis. The grade weights of the individual subjects correspond to the credits awarded.

### Required Modules (36 ECTS credits)

- At least one examination of the compulsory subjects has to be passed until the end of second semester
- If a subject examination is failed, it must be repeated. The repeat examination must be taken at the next possible examination date. Failed subject examinations in compulsory courses **cannot** be replaced by passed examinations in other subjects.
- It is not possible to repeat a passed examination in order to improve the grade.
 

*Hint: If you realize during the examination that you might pass the exam but just with a bad grade, you have to cancel everything you wrote in order to make sure that you fail the examination. Once you handed in the examination paper and it is graded with 4,0 or better, you can’t repeat the exam. (Of course, you should avoid this by a good preparation)*

### Core elective Modules *Mechanics/Computation* (24 ECTS credits)

- You have to successfully pass two of the modules in each catalogue.
  - 2 modules of the catalogue *Mechanics*
    - Computational Material Modelling 2
    - Computational Fluid Dynamics
    - Theory of Plates and Shells\*
    - Structural Dynamics
  - 2 modules of the catalogue *Computation*
    - Functional Analysis & Computational Linear Algebra
    - Finite Element Methods 2
    - Artificial Intelligence in Computational Mechanics
    - Optimization
- If a subject examination is failed, it does **not** have to be repeated. You just have to have passed two modules out of each catalogue.
- You cannot replace missing examinations from one catalogue by an additional module out of the other catalogue.
- It is not possible to repeat a passed examination in order to improve the grade.

### Elective Modules (Technical & General) (30 ECTS credits)

- Failed subject examinations in elective courses **can** be replaced by passed examinations in other subjects.
- If you pass more than 30 ECTS credits you can choose the best grades to be considered in the final degree certificate.
- All courses from the catalogue of core elective courses which were not chosen as core elective module can be taken as elective module.

### Master's thesis (30 ECTS)

- A student is admitted to the Master's thesis, who has successfully completed all examinations. Upon his/her request, a student may achieve early admission to the Master's thesis if the successful completion of examination results remains to be demonstrated in no more than one required and/or one (required) elective subject. The student has to have reached at least 78 Credits.
- Work on the Master's Thesis must commence no later than three months after the "Admission to Master's Thesis"
- The period of time between topic selection and submission of the completed Master's thesis must not exceed 6 months.
- The Master's thesis has to be defended in the Master's colloquium.
- The student has to be matriculated at least until the Master's colloquium.

### 6. Study Progress, Deadlines

- Students **should** register for the subject examinations of the Master's examination in time to be able to take all the subject examinations by the end of the fourth semester at the latest.
- For each semester, as a rule, 30 credits should be passed. If you pass  $\leq 15$  credits per semester you get a warning.
- The study progress is checked each semester. You have to pass at least:
  - 30 Credits until the end of the 3<sup>rd</sup> semester,
  - 60 Credits until the end of the 4<sup>th</sup> semester
  - 90 Credits until the end of the 5<sup>th</sup> semester
  - The master's thesis has to be passed until the end of the 6<sup>th</sup> semester

**If you don't manage to pass the required number of credits, it will lead to your exmatriculation! Please contact us well in advance if you think you're having problems with passing the required number of modules.**