

Information - Patenprogramm

Patenprogramm Mechanical and Process Engineering

(English)



TECHNISCHE
UNIVERSITÄT
DARMSTADT



1 General Information concerning studies

- The degree is structured into 6 semesters Bachelor's degree and 4 semesters Master's degree: <http://www.maschinenbau.tu-darmstadt.de/studieren/studienorga/ordnung/ba/index.de.jsp>
- Link to an overview of our faculties: <http://www.maschinenbau.tu-darmstadt.de/fachbereich/fachgebiete/index.de.jsp>
- The German grading scale starts at 1,0 (best grade) and continues in steps of 0.3 to 4.0 (worst grade but still passed); 5.0 stands for failed
- Autonomous studying: mandatory exercises are rare, every student is responsible for his/her own way of studying (which subject, when and how much); it might be useful to group up with your fellow students
- Appropriate places to study are for instance the ULB (city center, Lichtwiese) and the Lernzentrum Maschinenbau. You may rent a personal room for yourself or for studying in groups at the ULB as well (free).

2 Different types of university courses

2.1 Lecture

- Compulsory attendance: No
- The professor teaches theoretical skills by ex-cathedra teaching

2.2 Group practice

- Compulsory attendance: No
- Several practicing groups during the week, all dealing with the same topic
- Solving theoretical problems autonomously or in small groups
- In case of difficulties or questions feel free to ask the responsible tutor

2.3 Lecture hall practice

- Compulsory attendance: No
- Coexisting exercise to supplement the lecture held by a PhD student

2.4 Tutorial

- Compulsory attendance: Yes
- Usually a practical course during Master's degree that takes one or two weeks studying in full-time
- Grading by oral examination, report, project or presentation

2.5 Laboratory course

- Compulsory attendance: Yes
- Laboratory experiments dealing with science and engineering related topics
- Autonomous preparation and recording of the experiment
- Oral examination before or during the experiment by the tutor in charge
- There might be an exam in the end as well

2.6 Advanced Design Project (ADP)

- Compulsory attendance: Yes
- Topic of a Master thesis worked out by a group of 4 to 7 students
- Full-time workload: 4 to 8 weeks; part-time: up to 1 semester
- Grading by handing in a written report (60 – 100 pages) and giving a presentation
- Topics can be found at the faculties (bulletin board, website) or you can contact a PhD directly. Furthermore a list of topics can be found via the following link:

http://www.maschinenbau.tu-darmstadt.de/studieren/angebote/advanced_design_project_1/index.de.jsp

2.7 Advanced Research Project

- Compulsory attendance: Yes
- Similar to an ADP but more theoretical and worked on in smaller groups or individually
- Topics can be found at the faculties (bulletin board, website) or you can contact a PhD directly. Furthermore a list of topics can be found via the following link:

<http://www.maschinenbau.tu-darmstadt.de/studieren/angebote/arp/index.de.jsp>

3 Organizations of studies

3.1 Selection of classes

- Complete list of classes can be found in the course catalogue on TUCaN
- Class selection consultation of the Patenprogramm at the beginning of the semester
- During the first few weeks of the semester you can join the lectures without registration

3.2 Material

- Official online sources: TUCaN, moodle and the respective faculty website
- Official written sources: lecture notes, books (many of them can be found at the library)
- Unofficial source, organized by students: www.maschinenbauer-forum.de

3.3 Exam modalities

- Tools, schedules and location can be found on TUCaN, moodle or the respective faculty website
- Please be aware of the specific registration deadlines for each exam
- Tutorial for the registration at TUCaN:
http://www.info.tucan.tu-darmstadt.de/hilfe/hilfe_fuer_studierende/details_16832.en.jsp
- It is possible to sign off from an exam until 1 week before the exam's date. After this deadline you need a certificate from a doctor that proves your inability to take an examination

3.4 Exam preparation

- Attend at least the last two lectures before the semester ends. There may be useful tips.
- Prepare yourself by learning with former exam papers (see [3.2 Material](#))
- Examination records are available at the Lernzentrum Maschinenbau
- Exam consultation of the Patenprogramm at the end of the semester

4 Leisure time activities

- Events from Patenprogramm see flyer
- Sports program of the university:
http://online-anmeldung.usz.tu-darmstadt.de/sportarten/aktueller_zeitraum/index.html
- Hochschulgruppen (student associations of various topics):
http://www.tu-darmstadt.de/studieren/campusleben/engagement_student/hochschulgruppen.de.jsp
- Free outdoor pool and several sports facilities at the Hochschulstadion
- Possibility to get free last minute tickets for the Staatstheater Darmstadt
- Parties and events: www.partyamt.de
- Useful information: bicycle repair shop “zwanzig” run by students where you can fix your bike on your own and for free. If you need help there are some experts around. Moreover there is the bike rental “Call a Bike” where you can rent a bike free for 1 hour with registration.

5 Adresses

Patenprogramm:

<http://www.fs.maschinenbau.tu-darmstadt.de/masch/patenprogramm/index.de.jsp>

MechCenter(office for student affairs Fachbereich Maschinenbau):

http://www.maschinenbau.tu-darmstadt.de/einrichtungen_fb/mechcenter_mb/index.de.jsp

In case you have any questions feel free to contact us using the following address (e.g. if a link from above has expired): paten@fsmb.tu-darmstadt.de