A Physic Students Travel Guide

Welcome to the Technical University Munich! This Guide was created for physics students starting in the winter semester 2019/20. It might not contain all details about life as a physics student, however it contains a variety of key topics you will face day to day. In principle, everything is explained in the introduction days (called SET), but you never know what your SET tutor might forget to mention. :)

Numbering within an aisle.

1. and 2. digit:
- 1=1st floor, 2=2nd floor, etc.
- 0=basement
2. and 3. digit:
- 0=basement
- 1 to 9=floors
3. and 4. digit:
- 0 and 5=unassigned.
- 1=south, 2=north, 3=west, 4=east.
- Direction of the corridor (1=east, 2=north, 3=west, 4=south).

Finding Your Way Around

One of your first concerns might be where to find your lecture or seminar rooms. During your studies you will often be sent around the campus Gaeching by your timetable. This section gives a short overview of the canteens and the most important departments including the room number conventions. By understanding these conventions you can easily find all rooms located in these buildings. In addition you can use the RoomFinder: http://portal.mytum.de/campus/roomfinder

Y our new home! The Physics Department consists of two buildings: PH I and PH II (*Physics One and Two*). PH I has a simple numbering system of 4 digits each:

1. digit: floor (1=1st floor, 2=2nd floor, 3=3rd floor, 4=4th floor)
2. digit: Gear (see sketch, main entrance at arrow)
3. and 4. digit: Numbering within a side.

As an exercise, you can figure out where the rooms 2271, 3343, 3344, and 1141 are. These are the standard rooms for tutorials. Corridor 3 on the ground floor is in reality the foyer with the three lecture halls PH I,2,3. The Physics Faculty is located in room 2271, your first point of contact for questions, problems and assignments. Or simply step by for a coffee too.

In the east of the PH I there is a container, with three more seminar rooms on the upper floor.

Over the bridge on the north side of the building (in the sketch) you reach the upper floor of the PH II. In this building the rooms have three-digit numbers:

1. digit: Floor (1=down, 2=up)
2. and 3. digit: Room number

The most important rooms here are the two seminar rooms 127 and 227.

To quickly find rooms in the physics department there is the practical link: http://www.ph.tum.de/roomfinder

Math and Informatics (MI)

Most of the lectures and classes will take place at the MI building. You can see the huge lecture hall HS1 on the left when you enter the main entrance. HS2 and 3 are opposite the main entrance on the ground floor. The building consists of 10 side buildings, called fingers. Between the two fingers, in finger no. 6 are the rooms of your Faculty of Math and Informatics (FSMPI).

All the rooms are named by the following convention: A room name consists of three components (e.g., 01.05.052).

1. component:
- 01=1st component, Floor (1=Base ment, 0=Ground Floor, 1=1st Floor, etc.)
2. component: Finger (see blueprint)
3. component: Room number

Chemistry (CH)

From time to time some tutorials are offered in the chemistry building and here the room search becomes really adventurous.

The rooms have five digits:

1. digit: Floor (1=Basement, 2=Ground Floor, etc.)
2. digit: Number of Part of Building (see sketch)
3. digit: Direction of the corridor (1=east, 2=north, 3=west, 4=south)
4. and 5. digit: Room number in the corridor

Those who find their rooms here without an odyssey can award themselves the hero status. And so, I don’t know where building parts 4 and 5 have gone. But since it’s chemistry, you can give free rein to your imagination. An overview is given in the 3D building map at http://www3.ch.tum.de/en/contact/maps/.

Other Buildings

The StudiTUM is the new building between the Mensa, the CH and the MW. Every student can activate his student card via TU Monile to have access 24/7. In the building you will find working-rooms and one kitchen per floor. In addition, there is a roof terrace and a reserved room for bands is under construction in its basement.

Between the MI and MW is the Interims building with adjacent sports fields (basketball, volleyball, etc.). The new Interims II building is between the CH and the StudiTUM. Both Interims each contain two medium-sized lecture halls.

The permanent construction site in the middle of the campus is the Galileo. It will be home of a huge lecture hall (approx. 1300 seats) for lectures and concerts as well as restaurants, the first supermarket on the campus, a bookshop, hotel rooms, apartments and offices. There is also a gym, which is already open now all week, even though the rest of the building is still under construction.

In addition, there is a whole bunch of research institutes on campus, which will become interesting later during your studies. South of the MI building is the Lehnir Data Centre (LRZ), for example, which operates the Munich Research Network provides a number of IT services and is home to a super computing cluster in the (almost) cuboid building.

Food and Drinks (Oh my coffee!)

Congratulations, you belong to the first year to directly enjoy the new Mensa (opened 11.09.2010). You can find it north of the old Mensa building and it promises to be much better than the old one. There are eight counters including salad and vegetable counters, pizza and pasta counters and a barbecue.

The food counters are open from 11:00 to 15:00 (Mon - Thu) or until 14:45 (Fri). In the lecture-free time the Mensa closes at 14:45. There, one pays at self-service terminals. However, it is important to know that you must pay with your Student Card, which can be charged a balance at one of the machines located in one of the floors of the building. To do so, you hold your card (might still be placed in your wallet) against the card reader and feed it with a banknote. Alternatively you can register for Autolad: The student card is automatically recharged when the credit falls below a certain value.

By the way, it is worth having a look at the timetable of mechanical engineering freshmen, at least around lunchtime. With a class of this size you really don’t want to wait in line together.

Not even if the new Mensa can actually reduce the waiting times.

In addition the Studentenwerk operates two cafeterias on the campus Gaeching, called StuCafe. They also offer hot dishes, but are a bit more expensive. As in the Mensa, you will also pay with the Student Card. One StuCafe has been moved to the new cafeteria building, (Mon - Thu 08:30 - 12:00 and Fri until 14:45). The other StuCafe is located at the western end of the MW building and has longer opening hours (Mon - Thu 08:45 - 15:45 and Fri until 16:00). In the middle of the MW, Magistras is a coffee bar, which additionally offers snacks and hot dogs. In this bar you can pay with cash as well as with your Student Card.

Only cash will be accepted for the following meal locations. In the MI building the privately run FMI Bistro offers a larger (and usually better) selection of meals, but is generally more expensive than the Studentenwerk’s offer. However, it is also open in the evening (Mon - Fri 07:00 - 19:00, Sat from 11:30).

In the 8th floor there is a coffee terminal, which you may have already discovered.

The bakery Riedelmair near the southern subway exit is also open weekdays until 19:00. Adjacent there are two popular stalls called Onkel Kebab (Asian) and a Kabab. A food truck, which is on campus Tuesday to Thursday from 11:00 - 14:00, is the Pita Bocca at the parking lot in front of the ES0 entrance.

Furthermore there is the big IPP-Kantine in the historic area of the Max-Planck-Institutes, which is often used as an alternative to the Mensa. It is in the same price category as the.
of previous exams can be purchased from the Fach-

Opening hours are listed. https://www.ub.tum.de/en/opening-hours

If you are still having trouble in the evening after 19:00, there is the Campus-Pub C2.

You can find menus for many of these food options at https://hunger.tum.eae.

**Studies**

A course of studies at the TUM consists of lectures, central exercises, tutorials, homework and exams. At https://mpi.fz.tum.de/en/enter-log-tgm/begin-of-studies there you get general instructions. Depending on the subject it may differ a bit.

In most classes attendance is not compulsory. Questions can be asked at any time, even if it can take some courage to ask in front of the whole class. Remember: if you didn’t understand something, you are probably not alone.

As an enrolled student you can borrow books from the TUM library. Complete all of them, your chances of passing are pretty good. Up on enrolling you receive an university account with an e-mail address, called "student" (your University number) and an ID for the university ID card. An active participation in the practice is important. It will be announced in the first lecture of the semester how to register for tutorials. Usually the attendance of the tutorials is flexible, i.e. simply change the practice group, if it does not suit you.

In PH I there are three computer rooms: two larger CIP-Pools in rooms 1151 (CIP1) and 1161 (CIP2) at the eastern end of the building and a smaller room next to the main entrance called Mini-Pool. There are more PCs in the container, first floor left. You enter the room with your student card from 8:00 to 20:00 (Monday to Friday). There are also additional PC systems in the foyer near lecture halls 2 and 3 that are often overloaded. In the Linux-based network every physics student has a directory at `/home/stud/[login]` with 3GB disk space and the possibility of their own web space. All details can be found at https://mpi.cit.ph.tum.de.

Furthermore every student can use LZI Saphire with 50GB free space for projects.

At the beginning of the semester every student can apply for a identifier for the computer hall in the MJ building (rooms CIP1-CIP3) or also the AM building. Open.Identification for the computer halls are 8:00 to 21:00 (Monday to Friday). An Internet cafe, which is accessible 24 hours a day, is located in room 00.08.657.

In the MG building there are also some computers for public use, starting at the main entrance and looking to the upper left you will find them. You can log in with your LRZ/mytum account.

**Will**

The network, ost@roum, is available everywhere on campus. You can find instructions in the portal at https://www.ub.tum.de/en/borrowing-checking-out. As an enrolled student you can buy software products at https://e-student-council/script-sales. There you also find contacts to the student council and the IT department. The software products are available at https://www.lrz.de/services/swbezug. Further information is available at https://www.it.tum.de/en/it-security/for-students/opensource.

All libraries are very well suited for quiet learning, but for the Garching campus this does not exist yet. In the atrium (called Magistrale) of the MI building you have already found a larger number of wooden benches. In the library extension of the MI there are additional single and group rooms on the 1st floor, which you can reach via the wooden staircase at the end of the Magistrale. There are accessible 24 hours a day (and quite popular). You can also use the rooms between the pillars of the building in the upper floors, called "glass boxes".

**Working Rooms**

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In the MW building there is also a FH network, which you can access with WEP key. If you are logged in with the VPN client somewhere in the world, you can get this key at http://wvorg.in.tum.de/betreibfun/pan.lan.

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**Software**

In the CIP network you have access to many standard programs (OpenOffice.org, Gnumeric),... as well as programs for scientific computing (MATLAB, Mathematica,...). If you want to work at home, look at https://pbs.tum.de for "Software" or look at https://www.it.tum.de/serwis/netzugang. Furthermore Draftmap provides (free) licenses for almost all Microsoft products are available at https://www.studisoft.de.

Unfortunately, those websites are in German, but your German fellow students will definitely help you out.

**Computing**

The university provides a rich IT infrastructure and many possibilities for accessing software and the internet. Upon enrolling you receive an university account with an e-mail address which should look like ab123@mytum.de or s0mehome.tum.de. This address is used by the university to contact you. In addition you need the address of your TUM-ID (of the form ab123@tum.de) for authentication at several services.

**Books**

As an enrolled student you can borrow books from the TUM University Library. In the PH-library you’ll find all the books that are relevant for you, but many of them are not borrowable. The large textbook collection with many borrowable copies of all subjects is located in the chemistry library. To search, only books in the university catalog are shown.

Unfortunately, in the physics building there is a dedicated student learning room in the container (enter and turn right). You have access to this room, which also contains computer and a couch, with your student card. Less than 30 minutes before the course start you can open the front door of the building (near the lab, room 1122) to get the room ready for the course. If you need help to open the door, please press the automatic extension for a few minutes, you’ll get an automatic extension for a few months.

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**Printing, Scanning, and Copying**

In the physics CIP network you can use up to 4 printer printers: "minipool1", the one in the mini pool, "cip1", "cont1" and "cont2" are in the container. If you use pdfprint as printer, a PDF of your printout will be sent to your mail address. An email is sent to any student you can print. You get a free monthly quota of 50 pages. Use it wisely (and print to whole lecture notes), because there is no way to add more print quota. You can check your remaining quota at https://www.it.tum.de/services/netzugang/usage.

Unfortunately, those websites are in German, but your German fellow students will definitely help you out.

**Contacts**

Prof. Dr. Johannes Barth (PH II: 211) - Dean
Prof. Dr. Reinhard Kienberger (PH II: 113) - Dean of studies
Klaus Lichtenlere, Sabine Gising (PH I: 225, 2250) - Dean’s Office
Philipp Höffner & Löwenfeld (PH 204) - Assistant of the Dean of Studies
Dr. Karl Dressler (PH I: 2250 only Tuesdays 14:00 - 17:00, MI 01.06.036 main office) - Student Advisory Service for Bachelor program
Dr. Martin Selt (MI 01.06.038) - Student Advisory Service for Master programs
Dr. Letizia Fimiani - International Affairs - Notice: The office is currently closed. Alternative contact persons: BSc K. Dresner, Mrs. M. Selt.

And of course, your Fachschaft (PH 2357!)

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