How to IT

Introduction to IT-Services at TUM
Study Introduction Days (SET) 2021
set@fs.tum.de
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TUMonline

Administration of studies and registration to Lectures and Exams
Moodle

Where Worksheets come from and where Homework „must“ be uploaded
Moodle front page

• Reachable at www.moodle.tum.de/

• All Course Categories: Manual registration to courses (only as an exception)

• “Kursübersicht“: Your courses, visible after registration to lecture in TUMOnline

• Upcoming events: Relevant events, such as homework deadlines

• Calendar: Events shown as a calendar
Moodle Course Page

- **Notifications**: Announcements by lecturer / staff (usually subscribed to by mail by default)
- **Discussion forum**: Discussion with other students and lecturers
- Lectures are usually grouped by weeks:
  - Lectures recorded and provided by Panopto are usually embedded. Alternative: “Panopto” section on right side containing every video.
  - Lecture slides, exercise sheets and homework turn-in can also be found here
- **Activities (right side)**: Lists of all homework assignments, discussion boards or course documents
Moodle mailing

- Preferences accessible in menu (top right)
  -> Preferences -> Forum Preferences
- Mail-notifications for subscribed forums
- **E-Mail digest type:**
  - Single: For every message one mail
  - Complete: One Mail per day with all new messages
  - Subjects: One Mail per day; sorted by subjects
- **Forum auto subscribe:** Yes, to automatically get the answers for your questions
Identifiers & Services

What identifiers you have and what you can do with them
Accounts / Identifiers

LRZ-Account
• LRZ = Leibnitz-Rechenzentrum
• LRZ-Kennung: go42tum
• Used for:
  • TUMonline (LRZ-Kennung = TUMonline Kennung)
  • Moodle
  • Artemis (eg. PGdP)
  • Mail
  • Eduroam
  • LRZ Services (sync and share, gitlab, VPN)
  • Everything using TUM Shibboleth
-> “12345“ is a bad password!

RBG-Account (only Info/Math)
• RBG = Rechnerbetriebsgruppe
• RGB login („Rechnerkennung“):
  last-name (+/- 1-2 letters)
Services

LRZ account
- General: www.lrz.de/info/studierende/
- Important: Set VPN-Connection up (Manual and VPN-Client)
- GitLab (not public): gitlab.lrz.de/
- Sync & Share: syncandshare.lrz.de/ (may eat your files sometimes, better use Nextcloud)
- Software over TUMonline -> Software Microsoft-Products, MindManager, Matlab, etc.
- Software after registration with TUM-E-Mail eg. Jetbrains IDEs, Autodesk Software, etc.

RBG account (IN/MA)
- By default, anything with in.tum.de / ma.tum.de
- Full informations about the account: Wiki
- First Information point for every Service: Wiki of RBG After that: Helpdesk in the small computer hall (rbg@in.tum.de)
- Administration & Registration with ucentral.in.tum.de/
- Question platform: kb.in.tum.de (accessible only inside TUM, otherwise with LRZ VPN)
- Nextcloud (an alternative to Sync & Share) nextcloud.in.tum.de
E-Mail

TUMonline (LRZ)

- Administration over TUMonline -> E-Mail addresses
  - go42tum@mytum.de (everyone has one)
  - vorname.nachname@tum.de (can be created, is a good idea)
- Choose between forwarding or getting it (+ eventually forward)
- Important informations are sent by email, check email REGULARLY
- Accessible with mail.tum.de or Client (How-To)
- Adress book of all Students accessible at mail.tum.de or with Exchange

RBG (only IN/MA)

- Accessible over webmail.in.tum.de or Client (How-to)
  - rgbkennung@in.tum.de or
  - rgbkennung@ma.tum.de
- E-Mail-certificate exists (How-To)
- Forwarding to a common Mail is suggested
"Rechnerhalle" in MI-building

• Between Finger 5 and 7 in ground floor
  Split in small and big computer hall (Rechnerhalle)

• Other computer rooms in MI-building ([Wiki](#))

• Windows / Linux Workplaces

• Are equipped with a so called [BlackBox](#) and [BlackBox-Software](#)
  Login with Rechnerkennung

• Remote Access possible with SSH ([Wiki](#))
  rgbkennung@lxhalle.in.tum.de bzw.
  rgbkennung@ssh.ma.tum.de
  File management possible with for example [WinSCP](#)

• Creating a homepage is possible ([Wiki](#))
Printing/ Scanning in the MI building

• Printing quota: 50 Pages / Semester for free
  100 pages for 3,50€ can be bought in Skriptenverkauf

• Followme-printing on all printers in MI
  (Queueing of Tasks and printing on any printer with your Student ID)

• Scanning on the "Stockwerksdrucker"
  Scan can be sent via email or saved on USB (Wiki)

• Administration on Ucentral
  Status: Activation of computer for printing (Guide to set up printing general and for Win, Linux, Mac, for printing with qpilot not necessary)
  Take print from printer: If free, register with StudentCard here

• Easier / Another Way: qpilot.rbg.tum.de
  (Printing, Tasks administration, Printing quota, etc.)
  Maybe registration of the StudentCard in Ucentral necessary
Quo vadis Physik?

- Computer and Printers at the entrance, on the right (in front of the "Fachschaft")
- Registration with LRZ-Kennung
- Free printing quota: 60 pages/ month
Can i haz Internetz?

**eduroam**
- Secure & useable at many universities worldwide after registration
- Username: lrzkennung@eduroam.mwn.de
- Passwort: LRZ-Password
- Deposit Certificates! ([How-to](#))
- TUM Campus App (Android) can set everything up automatically

**Irz**
- Useable only over LRZ VPN (→ LRZ-Services)

**BayernWLAN**
- Free Wi-fi for everyone (use eduroam!)
Library

How you get to books
Using the Library

• Library card /-number on the back of your StudentCard
  Once necessary: Accept Library Regulations in TUMonline -> Library

• Online presence: www.ub.tum.de/

• OPAC: https://ub.tum.de/opac
  To search and order books. Remember: Choose the place of pickup wisely!

• OPACplus (In OPAC top, choose the button „OPACplus“)
  Find extra research articles. Login in eAccess is helpful...

• Interlibrary loan

• dokumenTUM
  Books and papers (up to 10%) - if in stock in the library - will be scanned and sent by email in 1-3 business days
eAccess

• For online loan of E-Books register on login.eaccess.ub.tum.de/login, and read the book within the OPAC

• Also accessible after registration in eAccess:
  - EZB = Access to online newspapers
  - DBIS = List of external databases with data from newspapers, congress papers, dissertations, statistics, facts and much more

• For electronic media you may have to register on the site (eg. with Institutional Login) with TUM-Shibboleth

• SpringerLink (springer.tum.sexy)
  Online-access to books of Springer, registration with TUM-Shibboleth
Useful Links / Tools

How to simplify your life
Other things by us, the SET people

- SET-Website
- Campus tour
- SETup
  The definitive guide for all first semesters
Useful Links / Tools

* **tum.sexy**
  Link list & Shortlinks mostly for Informatics / Mathematics (Curriculum, Hunger, study materials, etc.)

* **latex.tum.de**
  Online LaTeX editor

* **roomfinder.tum.sexy**

* MPI Newsletter in Telegram
  t.me/fsmpi (Offers/Promotions: t.me/mpi_aushaenge)

* Newsletter of the "Studentischen Vertretung" in Telegram
  t.me/s/sv4tum_newsletter ("Schwarzes Brett": t.me/sv4tum_schwarzesbrett)

* SET-Discord
  https://discord.gg/XuwFpQftWH
One more thing …

Corona and its influence on teaching
Studying during the pandemic

• **Officially**: In person events with digital alternatives as needed.
• **BUT**: No specific rules on Tools / Software if things go online
• **Important**: Register for the courses in TUMonline and look for more informations on Moodle
• Some Courses have extra forums for communication as well as informations on Moodle
Lectures

• Lecture hall

• TUM.Live
  live.rbg.tum.de/ (Live and/or Video)

• PanOpto
  (Video embedded in the Moodle course)

• Flipped Classroom
  Lecture videos in Moodle and Q&A sessions

• Zoom
  (Live, Link is given in Moodle course, for more informations look "Tutorien")

• BigBlueButton
  (Live and maybe Video, Link is given Moodle course, for more informations look "here")

• Lecturio.de
  (Mostly by Economics, Videos, registration with TUM-E-Mail needed)
Events on campus

Contact tracing

• **QRONITON**
  • developed at TUM

• Login with QR-Code in the room
  • Choose duration and check in
  • For undefined login time, do not forget to check out!

• First time:
  • Registration at QRONITON ([How-To](#))
  • Data is saved using WebStorage or Cookies for further registration attempts

3G Rule

• On the whole Campus and for every lecture
• In case of violation: administrative offense

3G -> Vaccinated, Recovered or Tested
2G -> Vaccinated or Recovered
Tutorien

**BigBlueButton (BBB)**
- Used by Mathematics/Informatics Faculty
- Simply use link in the browser
- Own rooms can be created at [bbb.rbg.tum.de/](http://bbb.rbg.tum.de/) (RBG identifier)

**Zoom**
- Is used by almost all faculties at TUM
- Access with link or meeting ID + password
- Can be used in the browser ([tum-conf.zoom.us/](http://tum-conf.zoom.us/)) or in the Client(-> next Slide)
Zoom

With Browser

- Accessible by tum-conf.zoom.us/
- Meeting beitreten | Join a Meeting
  To join a meeting with ID + Password
- Alternatively: open meeting link and choose "join in browser"
- [Audio|Video]-Meeting starten
  To create own meetings, registration with LRZ identifier neccessary

With Desktop Client

- Downloadable on the Zoom-Website
- Register with SSO -> enter tum-conf and register with LRZ-Kennung
- Join
  To join a meeting with ID + Password
- Alternatively: open Meeting link in browser and accept the use of zoom client
- New Meeting
  To create own meetings
Exams

• Format (On-site / online) will be announced
  • Closed-book: classic exam without any materials (notes etc.), may be monitored if online
  • Open-book: Any materials (maybe with some restrictions) accepted, watch your time!

• For online exams: The tools used will be thoroughly explained and there will be a mock exam

Tools, that might be used:

• TUMexam
  Access with personal link from TUMonline, download a PDF work on it and upload it again before the deadline (Detailed guide)

• Artemis
  Text-, diagram and programming exercises (even in own IDE) possible

• Moodle E-Test
  Mostly Multiple-Choice Test, might be monitored with Proctorio
That’s it.
Slides are on mpi.fs.tum.de/neu-an-der-tum/set/

Questions?
Please write them on Slido