How to IT

Introduction to IT Services at TUM
Study Introduction Days 2020
set@fs.tum.de
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TUMonline

Study course management and registration for lectures / exams
TUMonline

See video
Moodle

Where to find exercise sheets and turn in homework assignments...
Moodle front page

- [www.moodle.tum.de/](http://www.moodle.tum.de/)
- **All Course Categories**: Manual registration to courses (only as an exception)
- “Kursübersicht“ (lecture overview): 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
Logins & Services

Which logins to use where, and what to do with them...
Accounts / Logins

**LRZ-Account**
- LRZ = Leibnitz-Rechenzentrum
- LRZ login: go42tum
- Used for:
  - TUMonline (LRZ login = TUMonline login)
  - Moodle
  - Artemis (PGdP)
  - Mail
  - Eduroam
  - LRZ services (sync and share, gitlab, VPN)
  - Everything using TUM Shibboleth

-> “12345“ is a bad password!

**RBG account (M/I only)**
- RBG = “Rechnerbetriebsgruppe“
- RBG login: lastame (+/- 1-2 letters)
Dienste

LRZ account
• General overview (german): www.lrz.de/info/studenten/
• Important: VPN access (Instructions, VPN-Client)
• GitLab (not public): gitlab.lrz.de/
• Sync & Share: syncandshare.lrz.de/ (may lose files sometimes, preferably use nextcloud)
• Software via TUMonline -> Software
  Microsoft products, MindManager, Matlab, etc.
• Software after registration with TUM E-mail
  z.B. Jetbrains IDEs, Autodesk Software, etc.

RBG account (M/I only)
• Everything with in.tum.de / ma.tum.de
• More detailed information -> Wiki
• Overview / Documentation: RGB Wiki
  For help consult helpdesk in “kleine Rechnerhalle“ (rgb@in.tum.de)
• Administration / Registration:
  ucentral.in.tum.de/
• Knowledge base: kb.in.tum.de
  (Accessible only on TUM campuses / via LRZ VPN)
• Nextcloud (alternative to Sync & Share)
  nextcloud.in.tum.de
E-Mail

TUMonline (LRZ)
• Administration: TUMonline -> E-Mail
  • go42tum@mytum.de (default)
  • firstname.lastname@tum.de (useful)
• Mail forwarding options (forward only / also use mailbox)
• Important informations will be communicated by mail, check your mails regularly (or forward to personal mail acct)
• Mailbox: mail.tum.de or client (how-to)
• Directory of all TUM students available on mail.tum.de oder using Exchange

RBG (M/I only)
• webmail.in.tum.de or using a client (how-to)
  • rbglogin@in.tum.de bzw.
  • rbglogin@ma.tum.de
• E-Mail certificate available (how-to)
• Forwarding to a single mailbox useful
Computer Rooms in the MI building

• Ground floor, between fingers 5 and 7
  Split in small and big computer room

• More computer rooms throughout the building ([Wiki](#))

• Windows / Linux available
  Computers run on a BlackBox with BlackBox-Software
  Login using RGB login

• Remote access possible using SSH ([Wiki](#))
  rgbkennung@lxhalle.in.tum.de or rgbkennung@ssh.ma.tum.de
  File management possible using e.g. WinSCP

• Creation of an own homepage possible ([Wiki](#))
Printing / scanning in the MI building

- Free printing quota: 50 pages / semester
  100 more pages available in the "Skriptenverkauf" for 3,50€

- Followme printing on all printers
  (Jobs are queued and will be started by reading your student card on the printer)

- Scanning on the printers on the upper floors
  Scans can be saved to a USB-stick or sent to your E-Mail (Wiki)

- Management via Ucentral
  Status: Enable printing for your account (More detailed how-to: here, setup for Win / Linux / Mac, not needed for printing on qpilot)
  Getting your print job: First time --> register your student card on printer

- Simpler: qpilot.rbg.tum.de
  (Printing / managing queued jobs / checking your quota etc.)
  Registering your student card as above may be needed
Quo vadis Physics department?

• Printers / scanners available to the right of the entrance
• Login using LRZ login
• Free quota about 60 pages per month
Can i haz Internetz?

**eduroam**
- Secure and usable on many university campuses worldwide
- Username: `lrzlogin@eduroam.mwn.de`
- Password: `LRZ password`
- Use certificates! (Instructions)
- TUM Campus App (Android) can do this automatically

**Irz**
- Only usable with VPN connection to LRZ (-> LRZ services)

**BayernWLAN**
- Public wifi -> not really secure
Library
How to get books
Library usage

• Student card == library card
  First, accept terms of use in TUMOnline -> Library

• Online presence: www.ub.tum.de/

• OPAC: https://ub.tum.de/opac
  For searching for books/literature. Make sure to select appropriate pickup location!

• OPACplus (Select „OPACplus“ in OPAC at top of page)
  Will also search for scientific articles. eAccess login recommended

• Interlibrary loan

• dokumenTUM
  Journals / books that are available will be scanned and sent to you by E-Mail within 1-3 business days (max. 10%)
eAccess

- For E-Book loan, authenticate at login.eaccess.ub.tum.de/login, then open the book in the OPAC with Read online

- Available after eAccess login:
  - EZB = Online access to scientific journals
  - DBIS = List of external databases containing essays from journals, dissertations, statistics etc.

- For e-media, login may be required on the pages themselves using TUM Shibboleth (usually “Institutional Subscription“)

- SpringerLink (springer.tum.sexy)
  Online access to media of the publisher Springer, login using TUM-Shibboleth
Useful Links / Tools
How to make your life easier
Even more SET

- **SET website**
- **Digital campus tour**
- **SETup**
  - Freshman’s guide
- **Gamerallye**
  - Today, 14:00 – 18:00 on [Discord](https://discord.com)
Useful Links / Tools

- **tum.sexy**
  Shortlinks mainly for BSc Informatics (curricula, [food](#), study materials, etc.)

- **sharelatex.tum.de**
  Online LaTeX editor

- **roomfinder.tum.sexy**

- MPI Newsletter on Telegram
  [t.me/fsmpi](https://t.me/fsmpi) (Notice board: [t.me/mpi_aushaenge](https://t.me/mpi_aushaenge))

- Newsletter of the student council on Telegram
  [t.me/s/sv4tum_newsletter](https://t.me/s/sv4tum_newsletter) (Notice board: [t.me/sv4tum_schwarzesbrett](https://t.me/sv4tum_schwarzesbrett))
One more thing ...

Corona and changes to teaching at TUM
Studying during this pandemic

• Hybrid semester -> courses can be both online and on campus
• Use of tools/software at discretion of lecturers
• **Important**: Register for course on TUMOnline and check for announcements on Moodle
• Some courses may use other communication options -> Check with TUMOnline / Moodle
Lectures

- On campus (rarely!)
- TUM.Live
  - live.rbg.tum.de/ (live and/or recorded)
- PanOpto
  - (recordings embedded into Moodle course)
- Streams.TUM
  - (live and/or recorded, linked in the Moodle course)
- Zoom
  - (Live, linked in Moodle course, more infos on next slide)
- BigBlueButton
  - (live and/or recorded, linked in Moodle course, more infos on next slide)
- Lecturio.de
  - (mainly used by School of Management, recorded, registration with TUM e-mail required)
Exercises

**BigBlueButton (BBB)**
- Used in Mathematics / Informatics
- To participate, open link in browser
- Own rooms can be created with RGB login: [bbb.rbg.tum.de/](http://bbb.rbg.tum.de/)

**Zoom**
- Used TUM-wide
- Participation using meeting link or meeting ID + password
- Can be used in your browser([tum-conf.zoom.us/](http://tum-conf.zoom.us/)) or using a client
-> next slide
Zoom

Using your browser

• tum-conf.zoom.us/
• Meeting beitreten | Join a Meeting
  To join with ID + password
• Or: Open meeting link and select “Join in browser”
• Start own meetings
  Login using LRZ login required

Using the Desktop-Client

• Downloadable on the Zoom website
• Login with SSO -> tum-conf, use LRZ login
• Join
  To join with ID + password
• Or: Open meeting link and allow to start Zoom application
• New Meeting
  To start your own meeting
Exams

• Modalities (especially on-site vs. online) will be communicated in advance
  • Closed-book: Usual exam without use of books/lecture notes, may be invigilated using BBB (rarely) or Proctorio
  • Open-book: Everything allowed (with exception of plagiarism/teamwork, may be restricted), time may be critical!

• For online exams, the tools used will be explained before, and there will be a mock exam to test everything out.

Tools you may encounter:

• TUMexam
  Access using personalised link, exam can be downloaded after start and must be uploaded

• Artemis
  Free text, modeling and programming tasks (can be done in own IDE)

• Moodle E-Test
  Multiple-choice test, possibly monitored using Proctorio