

University Library

Technical University Munich



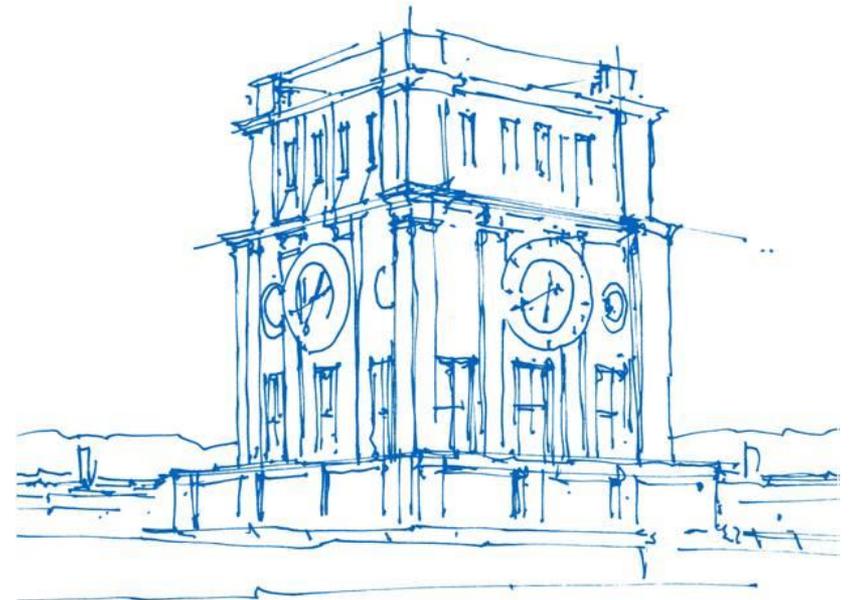
Being prepared is half the battle - The University Library in a nutshell

Hedwig Bäcker

Technical University of Munich

University Library

Munich, 13 October 2023



Uhrenturm der TUM

University Library (www.ub.tum.de/en)

de | en A-Z Search

University Library
Technical University Munich

Get in Contact +
Searching & Finding +
Borrowing & Ordering +
Studying & Researching +
Publishing & Citing +
About the Library +

Start to the New Semester

Library Tours

Register now!

University Library

First Level Hotline
Phone +49 89 189 659 220
information@ub.tum.de

Questions?
Chat with us!

- eAccess
- OPAC
- Courses
- Opening Hours
- Branch Libraries
- Occupancy Indicator

Follow us on

OPAC / OPACplus Check-out library [Account](#)

E-Journals [Suchen](#)

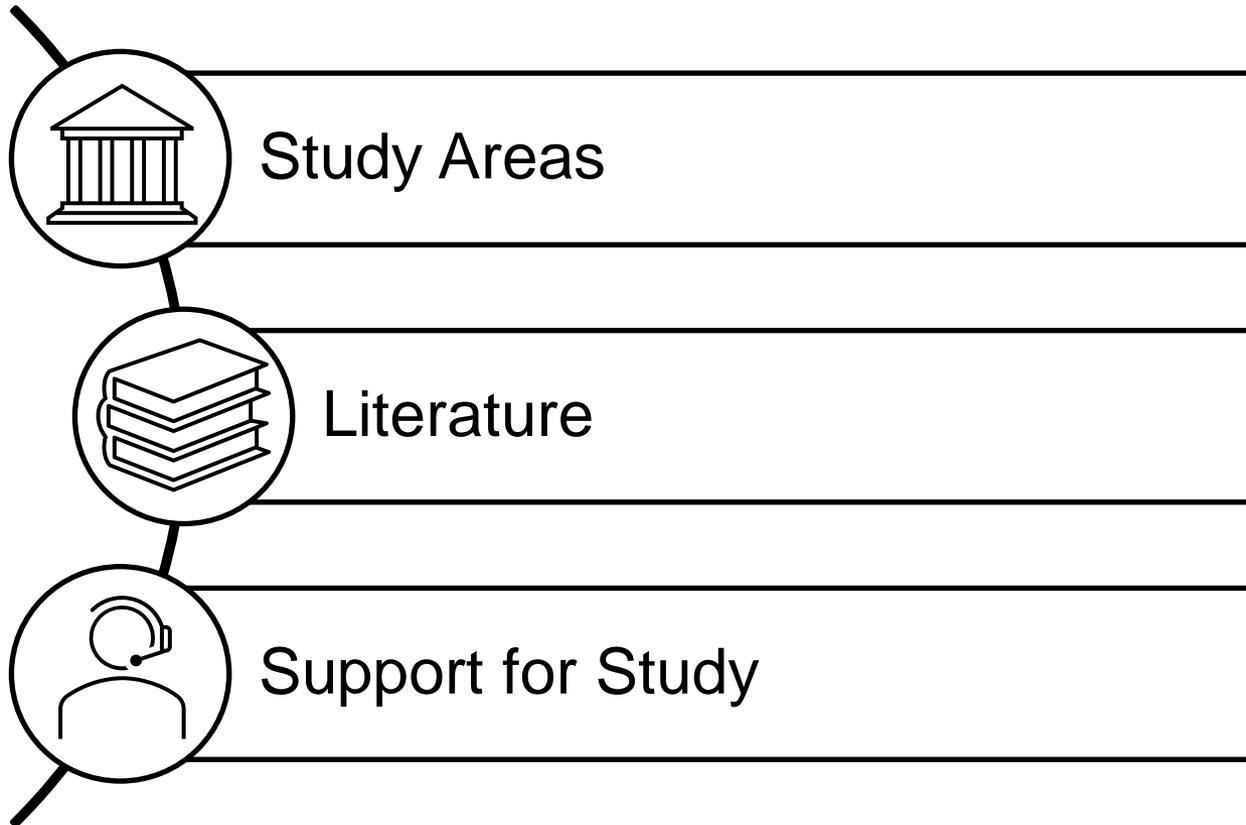
Databases

mediaTUM To use e-media don't forget to log in via [eAccess](#)

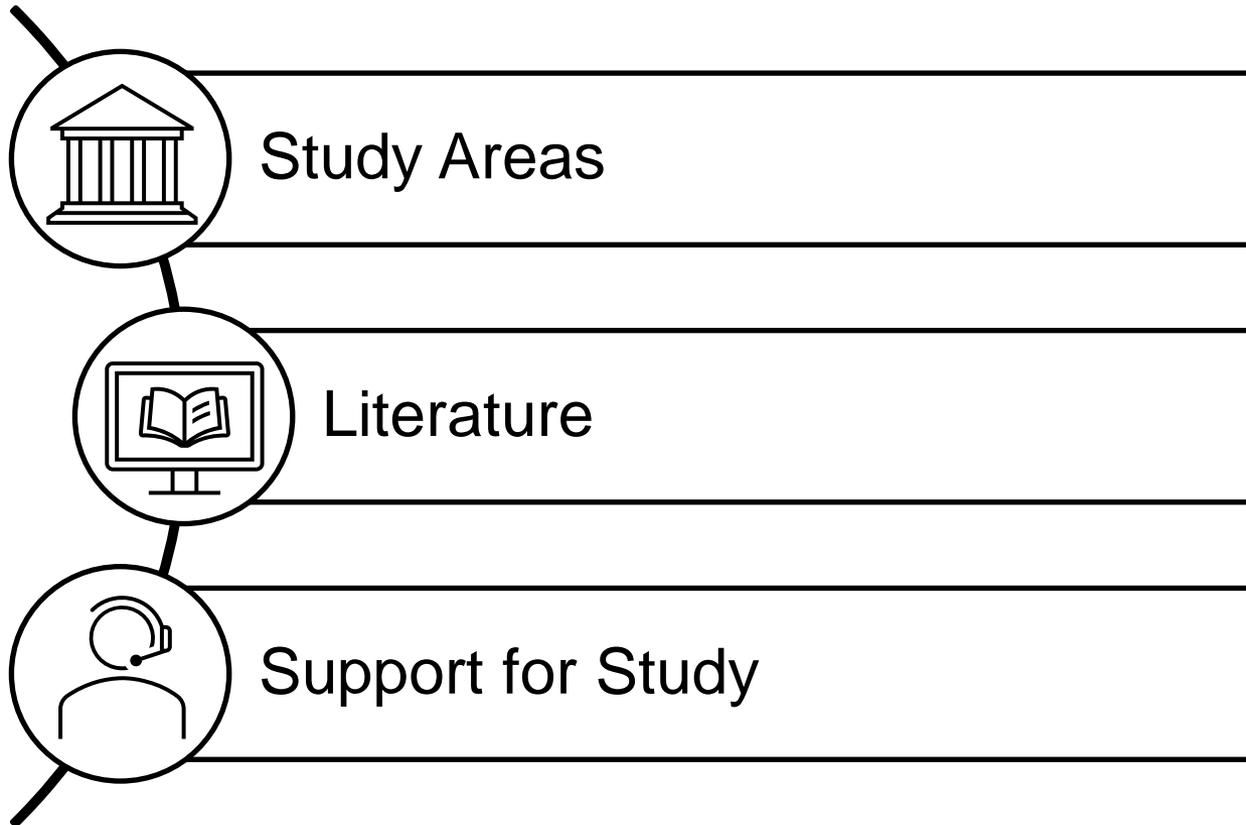
News

Library 08.09.2023 | Quick Orientation
Library Tours – In 30 minutes, knowing your way around
Welcome to the TUM University Library! We are excited to kick off the new semester with

University Library of TUM



University Library of TUM



Study Areas



Branch Libraries

Munich:

Main Campus
Medicine
Sport and Health Sciences

Garching:

Mathematics & Informatics
Mechanical Engineering
Chemistry
Physics

Weihenstephan:

Life Sciences

Straubing:

Renewable Resource



© Luisrftc | Adobe Stock

University Library (www.ub.tum.de/en)

The screenshot shows the homepage of the University Library at TUM. At the top right, there are language options 'de | en', a navigation menu 'A-Z', and a search icon. The main header features the TUM logo and the text 'University Library Technical University Munich'. A left sidebar contains a menu with items like 'Get in Contact', 'Searching & Finding', 'Borrowing & Ordering', 'Studying & Researching', 'Publishing & Citing', and 'About the Library'. The central banner is yellow and blue, with the text 'Start to the New Semester Library Tours' and a prominent 'Register now!' button. A circular graphic with a lightbulb and the text 'for free! for you' is also present. On the right, a 'University Library' section provides contact information for the 'First Level Hotline' and a list of services: eAccess, OPAC, Courses, Opening Hours, Branch Libraries (highlighted with an orange border), and Occupancy Indicator. Below this is a 'Follow us on' section with social media icons. At the bottom, a 'News' section features a yellow 'Library' logo and a news item dated '08.09.2023' titled 'Library Tours – In 30 minutes, knowing your way around'. A search bar is located at the bottom left, with a dropdown for 'Check-out library' and a 'Suchen' button. A note at the bottom of the search bar says 'To use e-media don't forget to log in via eAccess'.

Branch Library Main Campus





Branch
Library
Mathematics &
Informatics



Branch Library Chemistry

Opening hours

de | en A-Z Search 🔍

University Library
Technical University Munich

Get in Contact +
Searching & Finding +
Borrowing & Ordering +
Studying & Researching +
Publishing & Citing +
About the Library +

Start to the New Semester

Library Tours

Register now!

University Library

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Phone +49 89 189 659 220
information@ub.tum.de

Questions?
Chat with us!

- eAccess
- OPAC
- Courses
- Opening Hours**
- Branch Libraries
- Occupancy Indicator

Follow us on

OPAC / OPACplus

Check-out library — Select — [Account](#)

E-Journals

Databases

mediaTUM

[Suchen](#)

To use e-media don't forget to log in via [eAccess](#)

News

Library 08.09.2023 | Quick Orientation
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Welcome to the TUM University Library! We are excited to kick off the new semester with

Opening Hours

Service available throughout our opening hours

Open on Weekends:

- Branch Library Main Campus
- Branch Library Mathematics & Informatics
- Branch Library Life Sciences

University Library

First Level Hotline

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information@ub.tum.de 

	eAccess
	OPAC
	Courses
	Opening Hours
	Branch Libraries
	FAQ Current Situation

Before entering our Branch Libraries

Please:

- Bring your beverages in lockable bottles and cups only
- Do not eat inside the library
- Mute your mobile phone



Study Space

A Place of Learning and Scholarly Exchange

Our libraries are popular places for students to meet and study. We offer space to study without distraction, but also to work cooperatively.

- Study desks
- Individual study rooms (Carrels)
- Group study rooms
- Lounge areas
- TUM Speaker's Corner

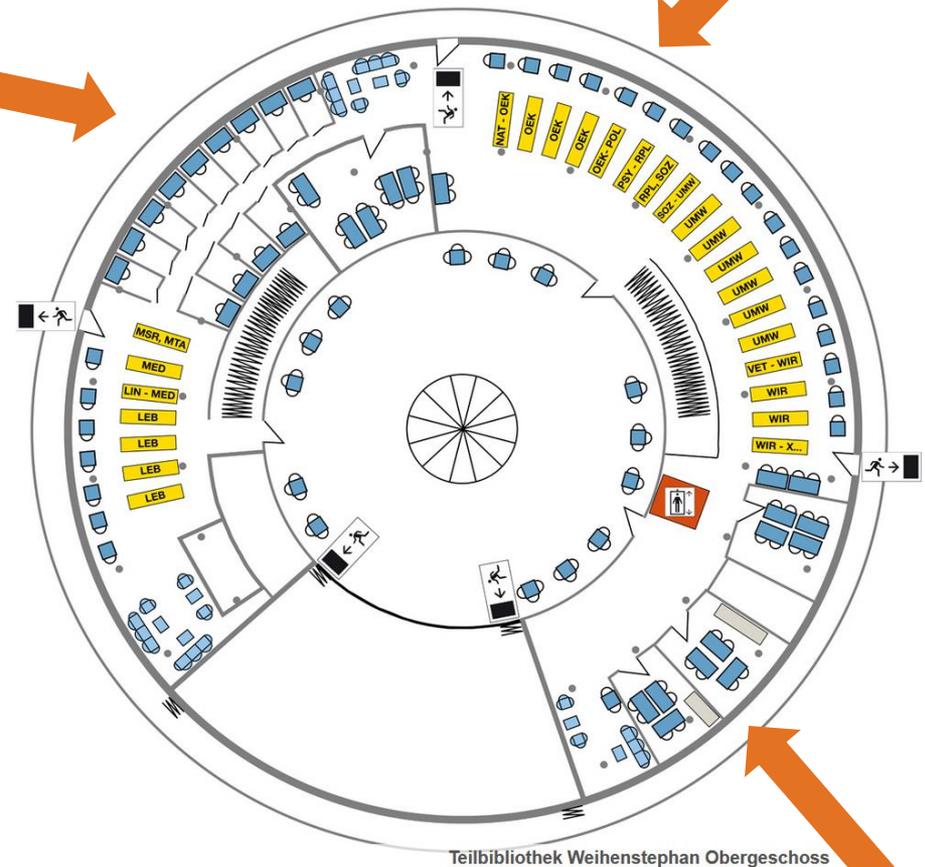


Branch Library Life Sciences



Study area & facilities

- Study areas
- Individual study rooms (Carrels)
- Group study rooms
- Lockers
- Computer and Internet
- Scanners



Scanners

- Available at every branch library
- Please bring a flashdrive to save your scans



Library computers

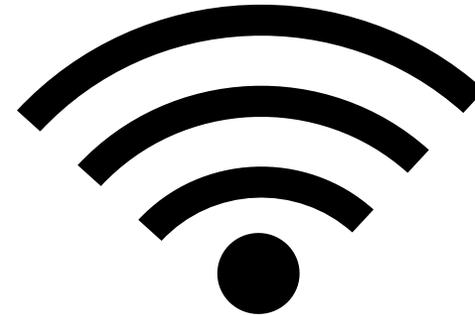


Wireless

LRZ (login with TUM-ID)

Eduroam (login with TUM-ID)

Help: Website of LRZ



Bayern-WLAN
for everyone (unencrypted)

Study Desks



Check Occupancy

de | en
A-Z
Search

University Library
Technical University Munich

- Get in Contact +
- Searching & Finding +
- Borrowing & Ordering +
- Studying & Researching +
- Publishing & Citing +
- About the Library +

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- Opening Hours
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Follow us on

Questions?
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OPAC / OPACplus

E-Journals

Databases

mediaTUM

Check-out library — Select — [Account](#)

[Suchen](#)

To use e-media don't forget to log in via [eAccess](#)

News

Library

08.09.2023 | Quick Orientation

Library Tours – In 30 minutes, knowing your way around

Welcome to the TUM University Library! We are excited to kick off the new semester with

Check occupancy

- Get in Contact +
- Searching & Finding +
- Borrowing & Ordering +
- Studying & Researching -**
- Research Data +
- Library Tours
- Courses & E-Learning +
- Textbook Collections
- Course Reserves
- Study Areas & Facilities -**
- Occupancy Indicator**
- Individual Study Rooms
- Group Study Rooms
- TUM Speaker's Corner
- Lockers
- Computers & Internet
- Scanning
- Publishing & Citing +
- About the Library +

Occupancy Indicator for Study Desks

We offer you study desks in our branch libraries. The occupancy indicator shows you how crowded the library is. It is an hint whether it is worth coming by, but does not provide real-time information on how many places are still available.

What are the current Corona recommendations?

- Keep distance: at least 1.5 metres from other people
- Wear FFP2 mask: strongly recommended in all TUM buildings

Which rules generally apply in library?

- Beverages only in tight closable containers
- Eating
- Reserving study desks for yourself or others
- Breaks where you leave your place unoccupied for more than 60 minutes
- Making or receiving phone calls

As at: 18.08.2022

Munich

BRANCH LIBRARY MAIN CAMPUS

mehr als 25 % ausgelastet



BRANCH LIBRARY MEDICINE

unter 25 % ausgelastet



BRANCH LIBRARY SPORT & HEALTH SCIENCES

unter 25 % ausgelastet



University Library

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- eAccess
- OPAC
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- Occupancy Indicator**

Corona: Recommendations

- Wear an FFP2 mask when visiting our branch libraries.
- Maintain a minimum distance of 1.5 metres to other people, whenever possible.

News

01. Jun 2022

Data Steward Training – apply by 31 August →

10. Aug 2022

Nautos replaces Perinorm →

03. Aug 2022

TUM Publication Guidelines updated →

[View all](#) →

[Subscribe to RSS](#)





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Media

Free Access to Knowledge – for Study

We acquire and curate large media collections and make them available free of charge.

- Collection development with focus on digital media
- Remote access via eAccess
- Loan services, interlibrary loan
- Document delivery dokumentUM

Collections

2.2M

Library Items



240,000

E-Books



2,700

Research Portals
and Databases



66,000

E-Journals

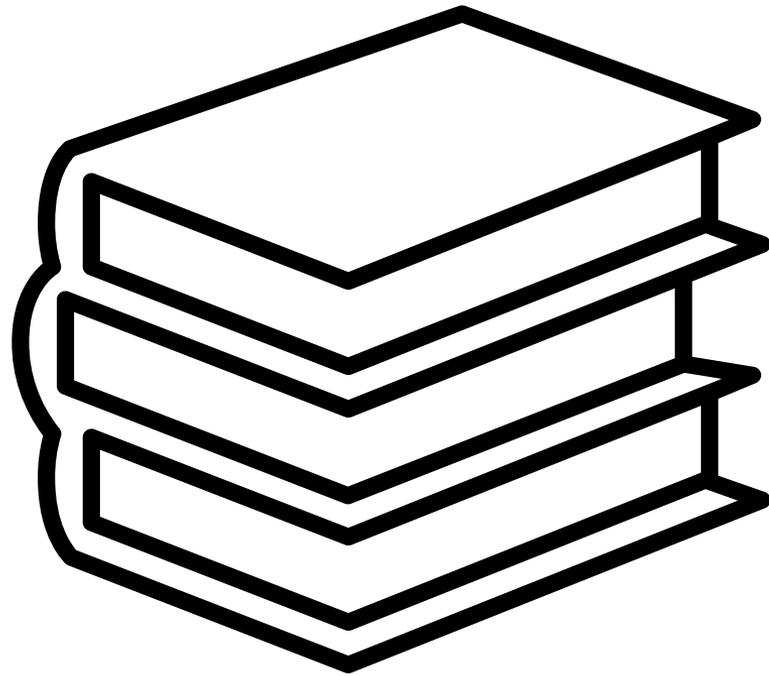


1,500

Print Journals



Literature (print)



Print holdings at the University Library of the TUM

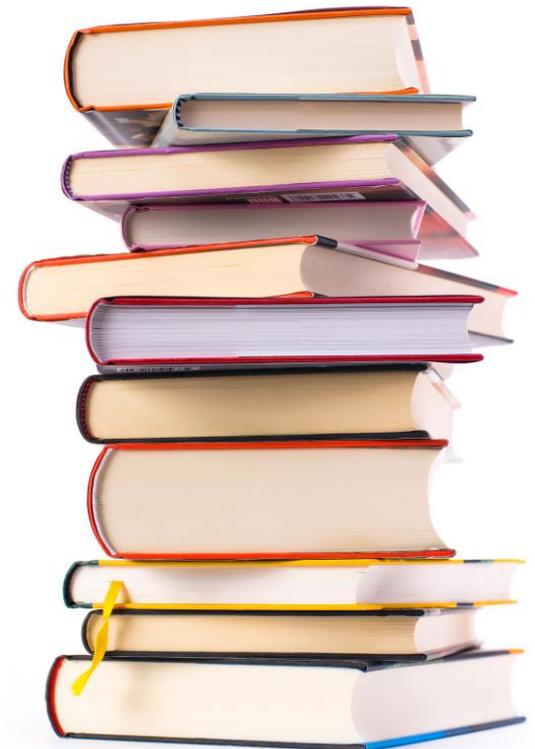
In print more than ...

1.5 million volumes

1, 500 printed journals

Use: **Library number**

Default password: **ddmm** of your birthday

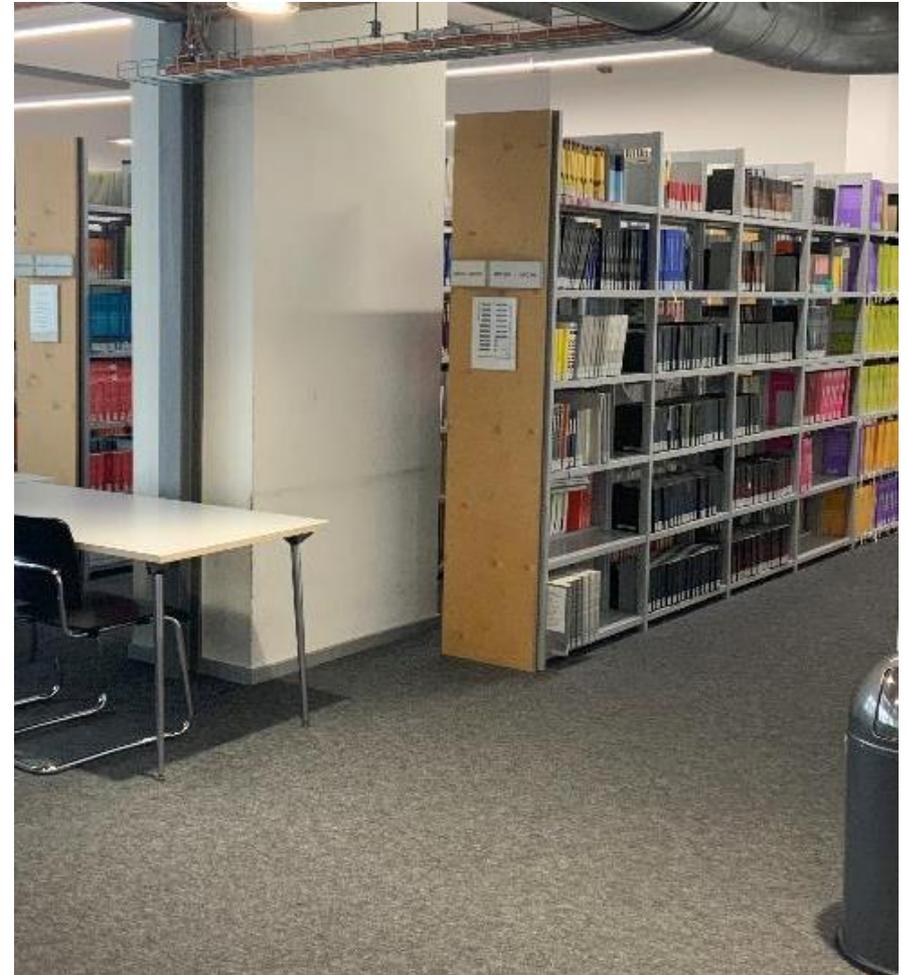


© Stephan Koscheck-Fotolia.com

Text book collection

Several copies available

For each text book:
One copy not for loan
or
available as an e-book



Shelfing ...



... by TUM classification (TUM-Systematik)

- Get in Contact +
- Searching & Finding +
- Borrowing & Ordering +
- Studying & Researching +
- Publishing & Citing +
- About the Library +

TUM Classification System – BIO

[ALL](#) [ARC](#) [BAU](#) [BER](#) **[BIO](#)** [BRA](#) [CHE](#) [CIT](#) [DAT](#) [EDU](#) [ELT](#) [ERG](#) [FEI](#) [FER](#) [FOR](#) [GEO](#) [GES](#) [HUE](#) [IND](#) [INF](#)
[JUR](#) [KOM](#) [KUN](#) [LAN](#) [LEB](#) [LIN](#) [LIT](#) [MAS](#) [MAT](#) [MED](#) [MSR](#) [MTA](#) [NAT](#) [NUC](#) [OEK](#) [PHI](#) [PHY](#) [POL](#) [PSY](#) [REL](#)
[RPL](#) [SOZ](#) [SPO](#) [TEC](#) [UMW](#) [VER](#) [VET](#) [WEH](#) [WER](#) [WIR](#) [WIS](#) [X](#)

[Back to Subject Overview](#) [Alphabetical Register](#) [Key Letters](#) [Search](#)

BIO: Biology

- Abholort wählen -

To search the OPAC for a classification number, please choose one of the branch libraries above.

Übersicht

<p>BIO 000: Biology (Belonging to the Subject; not further Classified) →</p> <p>BIO 001: Biology in General →</p> <p>BIO 100: General Biology →</p> <p>BIO 250: Microbiology; Microorganisms in General →</p> <p>BIO 350: Botany →</p> <p>BIO 400: General Botany →</p>	<p>BIO 500: Systematic Botany →</p> <p>BIO 650: Zoology →</p> <p>BIO 700: General Zoology →</p> <p>BIO 800: Systematic Zoology →</p> <p>BIO 950: Human Biology; Biological Anthropology →</p>
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University Library

First Level Hotline

Phone +49 89 189 659 220
information@ub.tum.de

- eAccess
- OPAC
- Courses
- Opening Hours
- Branch Libraries
- FAQ Current Situation

Corona: Current Information

3G Rule

Access to branch libraries only for visitors only with proof of vaccination, recovery or negative test. [Details](#)

Ordering, Borrowing, Returning

Borrowing and returning available in all branch libraries, access to book shelves for all library users. [Details](#)

Learning & Teaching

Study desks available for TUM members. Places are allocated at the circulation desk; no prior reservation. [Occupancy](#)

Activate Your library account in TUMonline

First time visiting? Welcome to TUMonline!

Please log in using your TUM ID (e.g. "go42tum") or TUM e-mail address and your password, or [continue without logging in](#).

If you want to apply and do not have an account yet, please sign up:

Sign up

[Sign up for an account \(Applicant\)](#)

Further options

[Redeem PIN code \(Students\)](#)

[Redeem PIN code \(Employees\)](#)

[Redeem PIN code \(Alumni\)](#)

[Redeem Confirmation code](#)

Forgot your password?

[Reset password](#)

Do you have any questions? Please have a look at our [TUMonline Guides](#) or [Contact IT-Support](#)

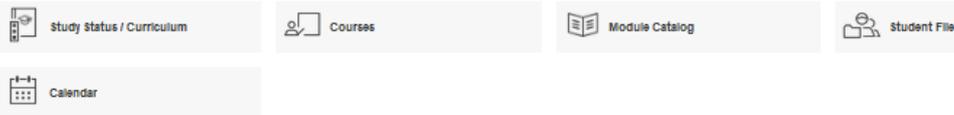
Log in



[Continue without login](#)

How to activate your library account in TUMonline

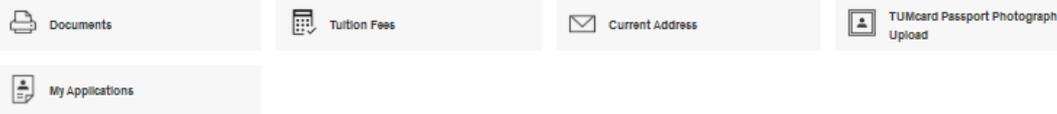
Studies and Courses



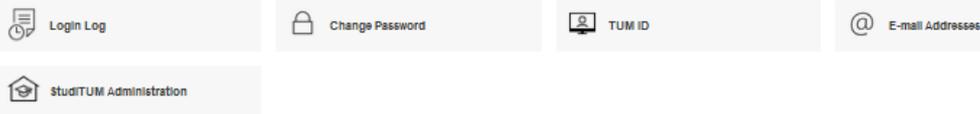
Exams



Admission



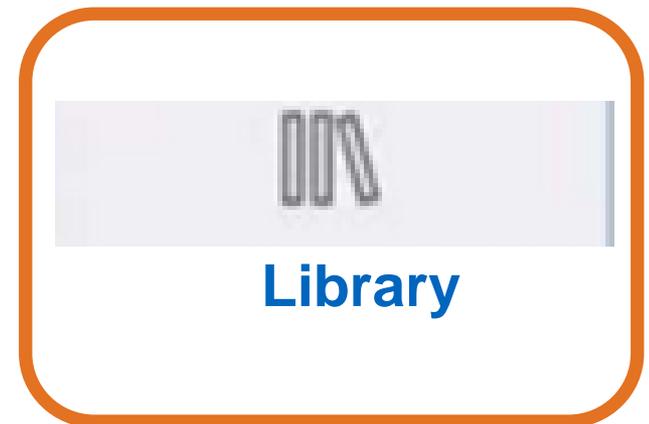
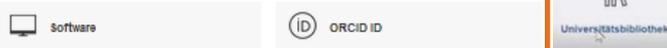
Account



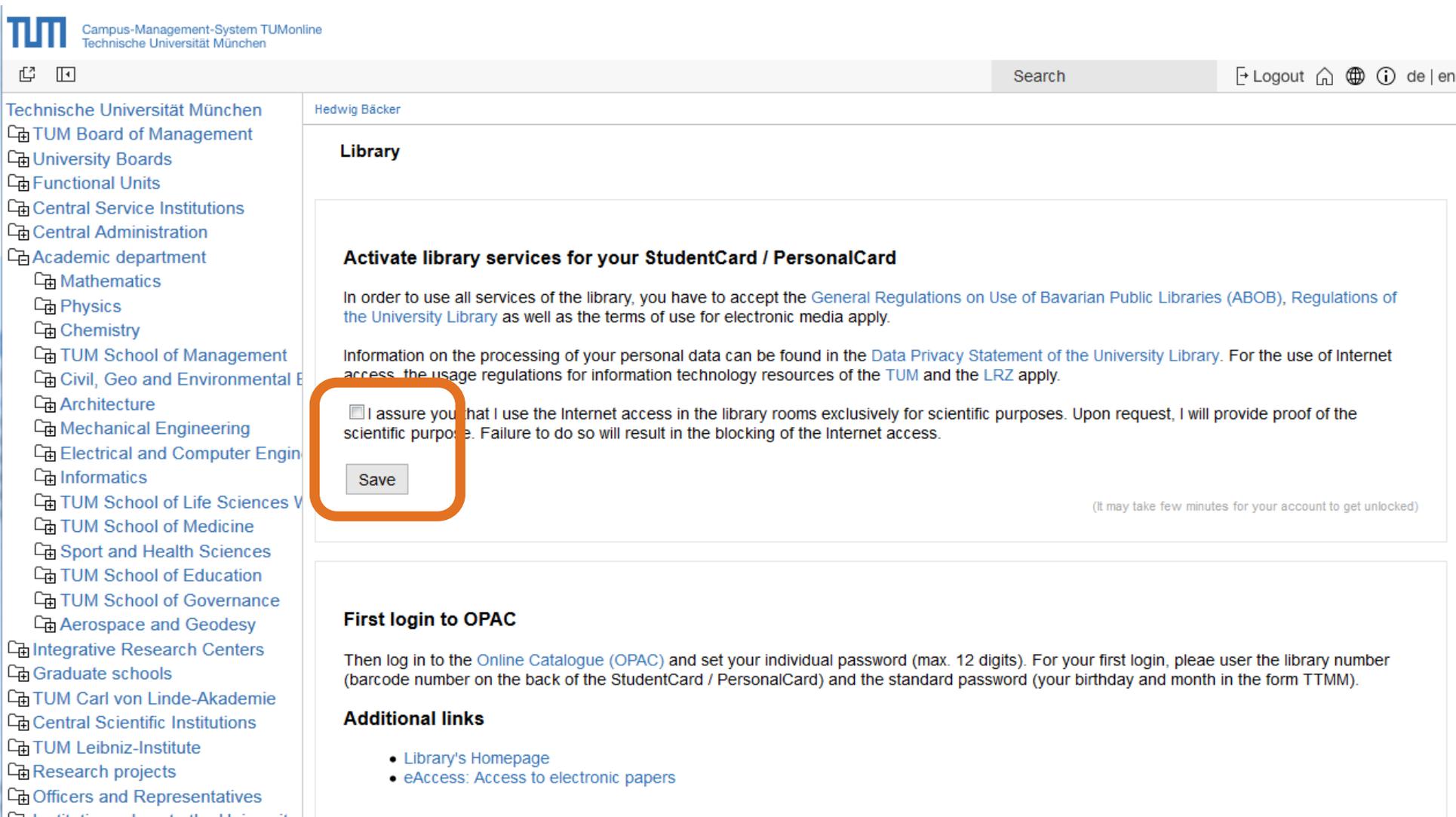
Directory



Other IT Services



Tick check box and save



TUM Campus-Management-System TUMonline
Technische Universität München

Search Logout Home Globe Info de | en

Technische Universität München

- TUM Board of Management
- University Boards
- Functional Units
- Central Service Institutions
- Central Administration
- Academic department
 - Mathematics
 - Physics
 - Chemistry
 - TUM School of Management
 - Civil, Geo and Environmental E
 - Architecture
 - Mechanical Engineering
 - Electrical and Computer Engin
 - Informatics
 - TUM School of Life Sciences V
 - TUM School of Medicine
 - Sport and Health Sciences
 - TUM School of Education
 - TUM School of Governance
 - Aerospace and Geodesy
- Integrative Research Centers
- Graduate schools
- TUM Carl von Linde-Akademie
- Central Scientific Institutions
- TUM Leibniz-Institute
- Research projects
- Officers and Representatives

Hedwig Bäcker

Library

Activate library services for your StudentCard / PersonalCard

In order to use all services of the library, you have to accept the [General Regulations on Use of Bavarian Public Libraries \(ABOB\)](#), [Regulations of the University Library](#) as well as the terms of use for electronic media apply.

Information on the processing of your personal data can be found in the [Data Privacy Statement of the University Library](#). For the use of Internet access, the usage regulations for information technology resources of the [TUM](#) and the [LRZ](#) apply.

I assure you that I use the Internet access in the library rooms exclusively for scientific purposes. Upon request, I will provide proof of the scientific purpose. Failure to do so will result in the blocking of the Internet access.

Save

(It may take few minutes for your account to get unlocked)

First login to OPAC

Then log in to the [Online Catalogue \(OPAC\)](#) and set your individual password (max. 12 digits). For your first login, please use the library number (barcode number on the back of the StudentCard / PersonalCard) and the standard password (your birthday and month in the form TTMM).

Additional links

- Library's Homepage
- eAccess: Access to electronic papers

Library account?

- Borrow books
- In the OPAC:
 - Order and reserve books
 - Library account → due daten
 - Order scans via **dokumenTUM**
- Get a key for a locker

University Library (www.ub.tum.de/en)

The screenshot shows the homepage of the University Library. At the top right, there are language options 'de | en', a navigation menu 'A-Z', and a search icon. The main header features the TUM logo and the text 'University Library Technical University Munich'. A left sidebar contains a menu with items like 'Get in Contact', 'Searching & Finding', 'Borrowing & Ordering', 'Studying & Researching', 'Publishing & Citing', and 'About the Library'. The central banner is yellow and blue, with the text 'Start to the New Semester Library Tours' and 'Register now!'. A circular logo with a lightbulb and the text 'for free! for you' is also present. On the right, there is a 'University Library' section with contact information for the 'First Level Hotline' and a list of services including 'eAccess', 'OPAC', 'Courses', 'Opening Hours', 'Branch Libraries', and 'Occupancy Indicator'. Below this is a 'Follow us on' section with social media icons. At the bottom, there is a 'News' section with a headline 'Library' and a sub-headline 'Library Tours – In 30 minutes, knowing your way around'. A search bar is located in the bottom right of the main content area, with a dropdown menu for 'Check-out library' and a search button labeled 'Suchen'. A link to 'Account' is also visible.

Select your check-out library

- Get in Contact +
- Searching & Finding -
- OPAC
- Databases
- E-Journals
- E-Books
- Standards
- Theses
- mediaTUM
- Recommend a Purchase
- Shelfmarks & Classification
- Apps & Tools +
- Borrowing & Ordering +
- Studying & Researching +

Online Catalogues

Overview

[Select check-out library and start OPAC →](#)

[Courses →](#)

[E-Tutorials →](#)

Select check-out library and start OPAC

Please select where you want to pick up ordered or reserved items:

Check-out library

OPAC and OPACplus have a common search interface.
You automatically receive search results for both databases.

University Library

First Level Hotline

Phone +49 89 189 659 220
information@ub.tum.de 

Quest
Chat w

-  eAccess
-  OPAC
-  Courses
-  Opening Hours
-  Branch Libraries
-  Occupancy Indicator

News

25. Sep 2023

Search OPAC and OPACplus

Keyword Anywhere	
and	Keyword in Title
and	Author / Editor (only o
and	Subject Heading

Check-out library
TB Stammgelände

Clear Search

Limit search

Exact words Find similar terms

Year from Year to Media Type
all

Search preferences

Database selection

Full text access to e-media

Authentication: required

TUM employees and students:
Login with TUM ID via eAccess

External patrons:
Library computers

Your IP address: 10.152.46.104

Toolbox

- Subject based search via TUM Classification
- Find location with the Location Mark List
- FAQ OPAC



Borrow a book

Mathematik und Infor... (3)
Ohne Zuordnung (2)
Stammgelände (2)

▼ **Matter**
Informatik (3)
Elektrotechnik (2)
Ohne Zuordnung (2)
Mathematik (1)

▼ **Subject**
Automatische Identif... (3)
Chipkarte (3)
Berührungsloser Sensor (2)
Elektromagnetische I... (2)
Hochfrequenz (2)
Display more ...

▼ **Year**
<=2002 (2)
>=2006 (5)

▼ **Format**
Buch (7)
(mit) Illustration (4)
E-Book (2)
E-Medien (2)

▼ **Language**
English (7)

▼ **Author**
Finkenzeller, Klaus (2)
Müller, Dörte (2)
Rankl, Wolfgang (2)
Cohen, Henri (1)
Fumy, Walter (1)
Display more ...

Select titles: Save in: Temporary list Sorting order: Year (descendir max. number of results 10

- 1  **Handbook of eID security: concepts, practical experiences, technologies**
Fumy, Walter
2011
0102/DAT 050f 2011 A 3493
- 2  **Smart card handbook**
Rankl, Wolfgang
4th ed
2010
- 3  **RFID handbook: fundamentals and applications in contactless smart cards, radio frequency identification and near-field communication**
Finkenzeller, Klaus ; Müller, Dörte
3rd ed
2010
- 4  **RFID handbook: fundamentals and applications in contactless smart cards, radio frequency identification and near-field communication**
Finkenzeller, Klaus ; Müller, Dörte
3. ed.
2010
0002/ELT 712f 2012 B 1689(3)
available
- 5  **Handbook of elliptic and hyperelliptic curve cryptography**
Cohen, Henri
2006
0104/DAT 465f 2006 B 672
- 6  **Smart Card handbook**
Rankl, Wolfgang
2. ed. repr.
2002
0102/DAT 179f 2001 A 28174

Change check-out library

Full text access to e-media

Authentication: **required**
TUM employees and students:
[Login with TUM ID via eAccess](#)
External patrons:
[Library computers](#)
Your IP address: 10.152.46.20

Toolbox

- [Subject based search via TUM Classification](#)
- [Find location with the Location Mark List](#)
- [FAQ OPAC](#)

Didn't find what you were looking for?

1. [change your search entry](#)
2. [order via interlibrary loan](#)
3. [recommend for purchase](#)



Find the book on the shelf

SEARCH MY LIST ACCOUNT

de | en [Log in](#)

smart card handbook [Search](#) [Advanced search](#)

[Back to results](#)

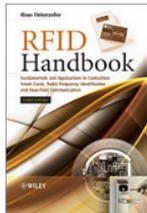
[Print](#) [Send](#) [Save](#) [Create SDI service](#) [Permalink](#)

OPAC (4/7)

[«](#) [»](#)

Save in:

Temporary list [Save](#)



Book
RFID handbook

fundamentals and applications in contactless smart cards, radio frequency identification and near-fi ...

Author: [Finkenzeller, Klaus](#)

Edition: 3. ed.

Place of Publication, Publisher, Year of Publication: Chichester [u.a.], Wiley, 2010

Extent: XVI, 462 S.

Subject Heading: [Automatische Identifikation](#) / [Berührungsloser Sensor](#) / [Induktiver Sensor](#) / [Transponder](#) / [Elektromagnetische Induktion](#) / [Hochfrequenz](#)

Subject Heading: [Kontaktlose Chipkarte](#)

Subject Heading: [RFID](#) / [Lehrbuch](#)

ISBN: 9780470695067

available [Table of contents](#) [Description](#)

Check-out library: [Teilbibliothek Stammgelände](#)

Other users were also interested in:

RFID-Handbuch
Grundlagen und praktische Anwendungen von Transpondern, kontaktlosen Chipkarten und NFC
2012

RFID-Handbuch
Grundlagen und praktische Anwendungen von Transpondern, kontaktlosen Chipkarten und NFC
2015

Handbook of smart antennas for RFID systems
edited by Nemaï Chandra Karmakar
2010

RFID für Dummies
[mit Radio Frequency Identification, RFID, Produktions- und Distributionsketten verfolgen und führen]
2006

[previous](#)

[next](#)

Check-out

Teilbibliothek Stammgelände

[Change check-out library](#)

Full text access to e-media

Authentication: **required**

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[Login with TUM ID via eAccess](#)

External patrons:
[Library computers](#)

Your IP address: 10.152.46.20

Toolbox

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- Find location with the [Location Mark List](#)
- [FAQ OPAC](#)



Holdings	Get document	More title information			
Location	Item number	Shelfmark	Status	QR-Code	
Teilbibliothek Stammgelände / Lesesaal TB Stamm / Lesesaal	040007592278	0002/ELT 712f 2012 B 1689(3)	available Direction sign		

Orders and reservations

Mathematik und Infor... (3)
Ohne Zuordnung (2)
Stammgelände (2)

▼ **Matter**
Informatik (3)
Elektrotechnik (2)
Ohne Zuordnung (2)
Mathematik (1)

▼ **Subject**
Automatische Identif... (3)
Chipkarte (3)
Berührungsloser Sensor (2)
Elektromagnetische I... (2)
Hochfrequenz (2)
Display more ...

▼ **Year**
<=2002 (2)
>=2006 (5)

▼ **Format**
Buch (7)
(mit) Illustration (4)
E-Book (2)
E-Medien (2)

▼ **Language**
English (7)

▼ **Author**
Finkenzeller, Klaus (2)
Müller, Dörte (2)
Rankl, Wolfgang (2)
Cohen, Henri (1)
Fumy, Walter (1)
Display more ...

Select titles: Save in: Sorting order: max. number of results

- 1  **Handbook of eID security: concepts, practical experiences, technologies**
Fumy, Walter
2011
0102/DAT 050f 2011 A 3493
- 2  **Smart card handbook**
Rankl, Wolfgang
4th ed
2010
- 3  **RFID handbook: fundamentals and applications in contactless smart cards, radio frequency identification and near-field communication**
Finkenzeller, Klaus ; Müller, Dörte
3rd ed
2010
- 4  **RFID handbook: fundamentals and applications in contactless smart cards, radio frequency identification and near-field communication**
Finkenzeller, Klaus ; Müller, Dörte
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2010
0002/ELT 712f 2012 B 1689(3)
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- 5  **Handbook of elliptic and hyperelliptic curve cryptography**
Cohen, Henri
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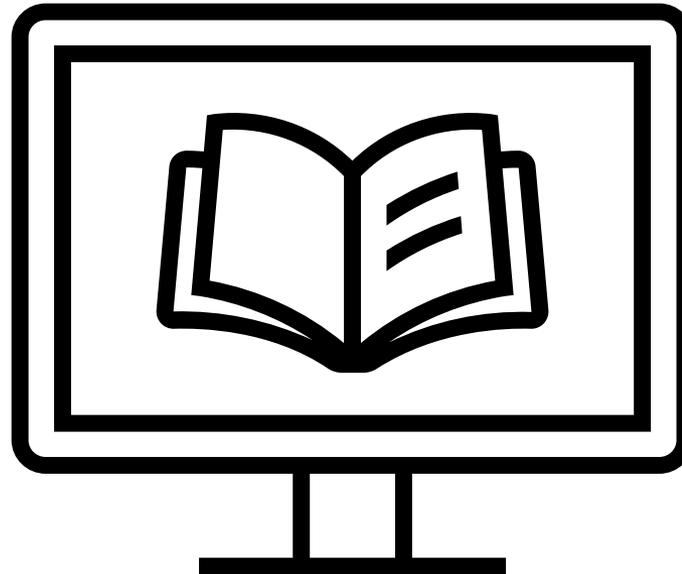
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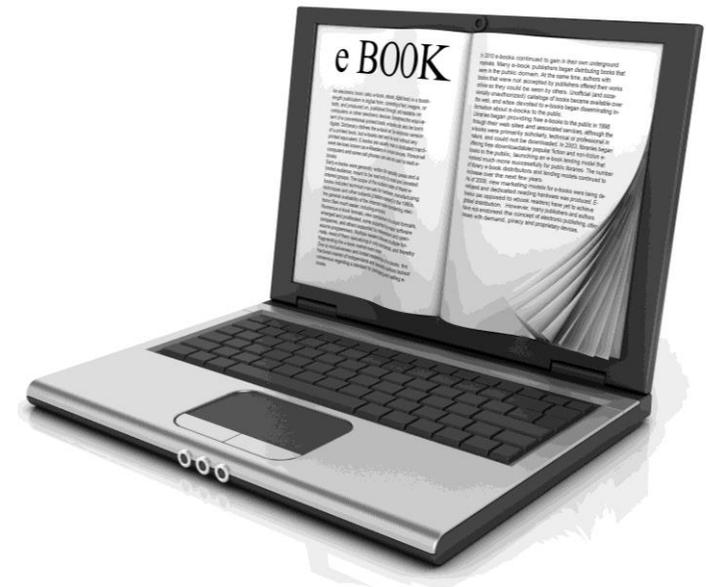
Holdings at the University Library of the TUM

Online resources

240,000 e-books

66,000 e-journals

2,700 databases and portals



Access to online resources: **eAccess**

Login: **TUMonline-ID** (go42tum)

University Library (www.ub.tum.de/en)

The screenshot shows the homepage of the University Library at TUM. At the top right, there are language options 'de | en', a navigation menu 'A-Z', and a search icon. The main header features the TUM logo and the text 'University Library Technical University Munich'. A left sidebar contains a menu with items like 'Get in Contact', 'Searching & Finding', 'Borrowing & Ordering', 'Studying & Researching', 'Publishing & Citing', and 'About the Library'. The central banner is yellow and blue, with the text 'Start to the New Semester Library Tours' and a prominent 'Register now!' button. A circular graphic with a lightbulb and the text 'for free! for you' is also present. On the right, a 'University Library' section provides contact information for the 'First Level Hotline' and a list of services including 'eAccess', 'OPAC', 'Courses', 'Opening Hours', 'Branch Libraries', and 'Occupancy Indicator'. Below this is a 'Follow us on' section with social media icons. At the bottom, a 'News' section features a yellow 'Library' logo and a news item dated '08.09.2023' titled 'Library Tours – In 30 minutes, knowing your way around'. A search bar is located in the bottom right of the main content area, with a dropdown menu for 'Check-out library' and an 'Account' button. The search bar contains the text 'Search books, papers, e-books, journals, e-journals' and a 'Suchen' button. A note below the search bar says 'To use e-media don't forget to log in via eAccess'.

Read e-books

Mathematik und Infor... (3)
Ohne Zuordnung (2)
Stammgelände (2)

▼ **Matter**
Informatik (3)
Elektrotechnik (2)
Ohne Zuordnung (2)
Mathematik (1)

▼ **Subject**
Automatische Identif... (3)
Chipkarte (3)
Berührungsloser Sensor (2)
Elektromagnetische L... (2)
Hochfrequenz (2)
Display more ...

▼ **Year**
<=2002 (2)
>=2006 (5)

▼ **Format**
Buch (7)
(mit) Illustration (4)
E-Book (2)
E-Medien (2)

▼ **Language**
English (7)

▼ **Author**
Finkenzeller, Klaus (2)
Müller, Dörte (2)
Rankl, Wolfgang (2)
Cohen, Henri (1)
Fumy, Walter (1)
Display more ...

Select titles: Save in: Save Sorting order: Year (descendir) Sort max. number of results 10 Show

- 1  **Handbook of eID security: concepts, practical experiences, technologies**
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2011
0102/DAT 050f 2011 A 3493
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2006
0104/DAT 465f 2006 B 672
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- 6  **Smart Card handbook**
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Technische Universität München

eAccess – E-Medienzugang der Universitätsbibliothek

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[TUM-Account](#)

Passwort

Login

ACHTUNG: PHISHING

Achten Sie auf die korrekte URL

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[Hinweise zu Phishing](#)

Fragen zu eAccess

[Universitätsbibliothek](#)
eaccess@ub.tum.de

Fragen zum TUM-Account

it-support@tum.de

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 - Ohne Zuordnung (2)
 - Stammgelände (2)
- ▼ **Matter**
 - Informatik (3)
 - Elektrotechnik (2)
 - Ohne Zuordnung (2)
 - Mathematik (1)
- ▼ **Subject**
 - Automatische Identif... (3)
 - Chipkarte (3)
 - Berührungsloser Sensor (2)
 - Elektromagnetische L... (2)
 - Hochfrequenz (2)
 - Display more ...
- ▼ **Year**
 - <=2002 (2)
 - >=2006 (5)
- ▼ **Format**
 - Buch (7)
 - (mit) Illustration (4)
 - E-Book (2)
 - E-Medien (2)
- ▼ **Language**
 - English (7)
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 - Finkenzeller, Klaus (2)
 - Müller, Dörte (2)
 - Rankl, Wolfgang (2)
 - Cohen, Henri (1)
 - Fumy, Walter (1)
 - Display more ...

Result(s) OPAC (7)

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Check-out

Teilbibliothek Stammgelände

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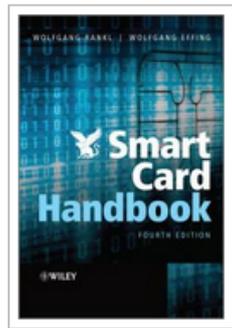
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Read online

Erweiterte Suche
Themenbereiche durchsuchen



Smart Card Handbook

Wolfgang Rankl and Wolfgang Effing

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Beschreibung

The most comprehensive book on state-of-the-art smart card technology available Updated with new international standards and specifications, this essential fourth edition now covers all aspects of smart card in a completely revised structure. Its enlarged coverage now includes smart cards for passports and ID cards, health care cards, smart cards for public transport, and *Java Card 3.0*. New sub-chapters cover near field communication and contactless smart cards.

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Inhaltsverzeichnis

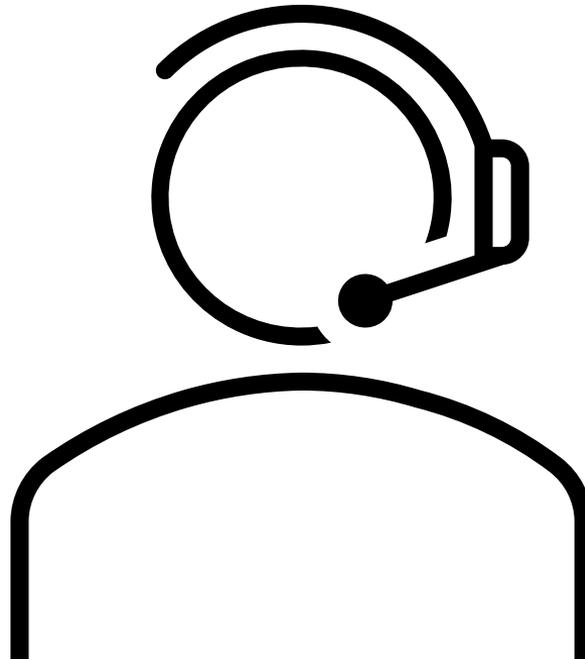
- Intro** PDF herunterladen Online lesen
S. Intro – Intro; 2 Seiten

- Smart Card Handbook** PDF herunterladen Online lesen
S. i – 1043; 1087 Seiten
Was kann ich tun?

Buchdetails

TITEL
Smart Card Handbook
AUSGABE
4
AUTOREN
Wolfgang Rankl and Wolfgang Effing
VERLAG
John Wiley & Sons, Incorporated
ERSCHEINUNGS- TERMIN PRINT
2010-07-19
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Courses and Consultations

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We offer a comprehensive course and consulting program in all areas of our service portfolio to support TUM members in their everyday work, studies, and research.

- Classroom courses, webinars, e-courses
- Powerdays
- Consultation sessions
- First Level Hotline

Course Program

Digital or face-to-face | in groups or for self-studying | in German or English

Literature	Referencing	Reference Management
<ul style="list-style-type: none">• Literature research 1• Literature research 2	<ul style="list-style-type: none">• Cite it Right• Citation Lab	<ul style="list-style-type: none">• Citavi• EndNote

University Library (www.ub.tum.de/en)

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Course of the University Library for students

- What is the best way to search for literature?
- How do you use a reference management program?
- How to cite properly?



www.ub.tum.de/en/courses

Literature Research

- Courses

Literature Research 1

Tools for Studying

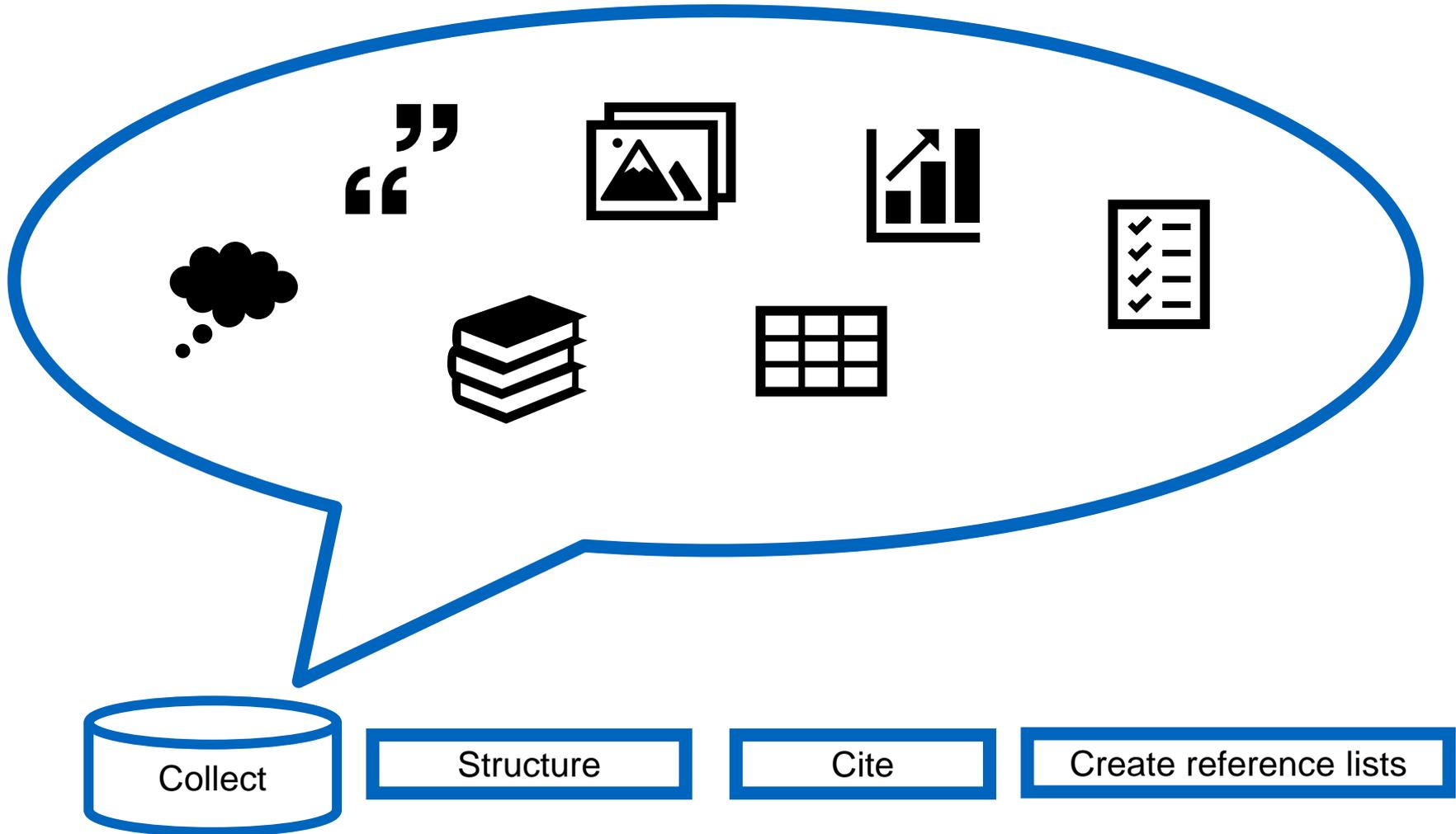
Literature Research 2

Search Strategies for
Seminar Papers and Theses

- Literature Research
consultation for students



Why should I use a reference management program?



Reference Management at TUM

- Comparison of Reference Management Software
- Campus licences
- Courses
- Reference management and citation consultation

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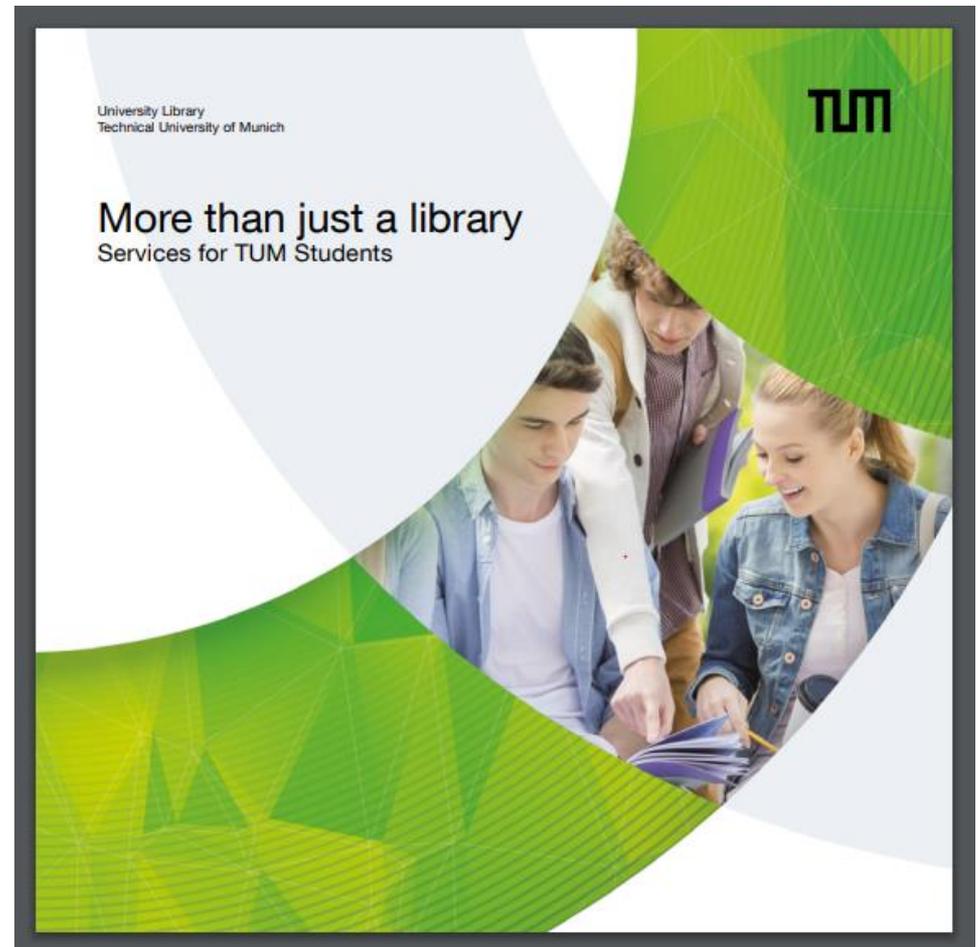
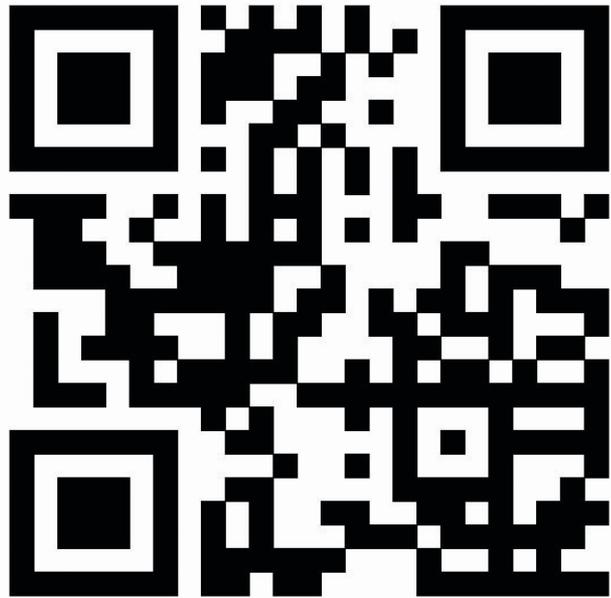


Cite it Right

- TUM Citation Guide
- Courses:
 - Cite it right**
 - Citation lab**
- Reference management and citation consultation



Tipps and booklet



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<p>Citing internet sources 12 Aufrufe • vor 2 Wochen Untertitel</p>	<p>Sich selbst zitieren 32 Aufrufe • vor 1 Monat Untertitel</p>	<p>Zitieren statt Plagieren - Grundlagen 7/8 9 Aufrufe • vor 1 Monat Untertitel</p>	<p>Zitieren statt Plagieren - Grundlagen 8/8 7 Aufrufe • vor 1 Monat Untertitel</p>
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We will give you the answer!

Monday – Friday, 8.00 – 18.00

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Chat	www.ub.tum.de
Mail	information@ub.tum.de

