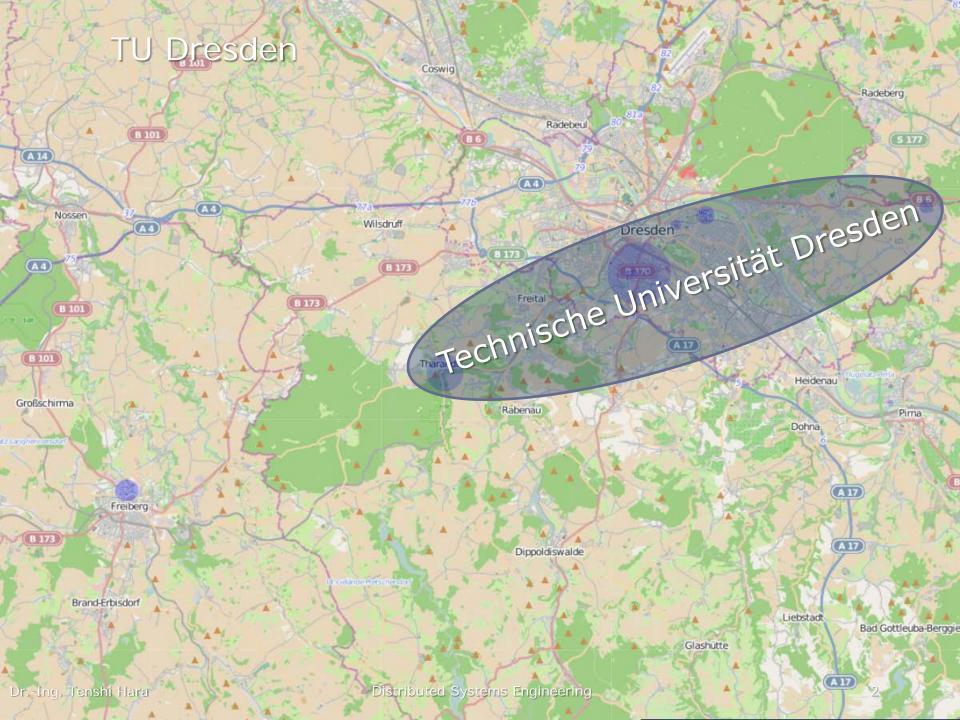


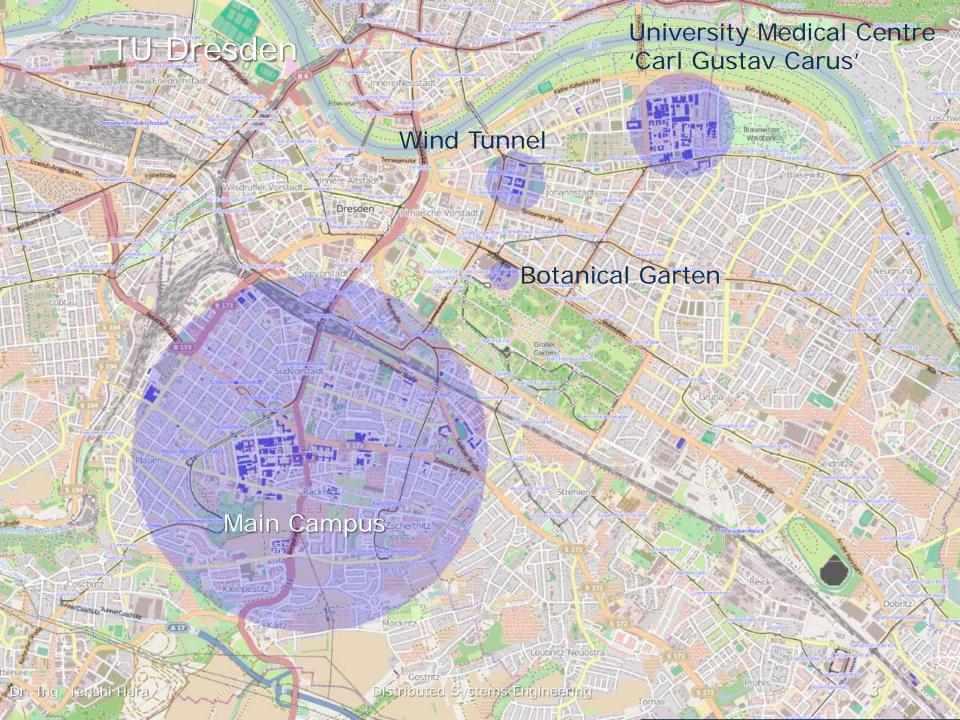


TU Dresden

(Statistics as of 2014/2015)

- Saxony's largest University
- 6 Profiles, 14 Faculties, 5 Schools
- 36,737 Students
 - > 10,588 in Engineering (i.e. 28.8%)
 - > 5,852 Juniors
- 126 Degree Programmes
- 8,364 Employees (3,766 on Third-Party Funds)
- 242.4 Mil EUR Third-Party Funds









The Research Network 'DRESDEN-concept e.V.'

Technische Universität Dresden

Fraunhofer-Gesellschaft

Institut für Werkstoff- und Strahltechnik Institut für Photonische Mikrosysteme Institut für Keramische Technologien und Systeme Institut für Elektronenstrahl- und Plasmatechnik

Max-Planck-Gesellschaft

Institut für molekulare Zellbiologie und Genetik Institut für Physik komplexer Systeme Institut für Chemische Physik fester Stoffe

Leibniz-Gemeinschaft

Institut für Polymerforschung Dresden Institut für Festkörper- und Werkstoffforschung Dresden Institut für ökologische Raumentwicklung

Helmholtz-Gemeinschaft

Forschungszentrum Dresden-Rossendorf

Museen und Bibliotheken

Staatliche Kunstsammlungen Dresden Deutsches Hygiene-Museum Sächsische Landesbibliothek – Staats- und Universitätsbibliothek Dresden





















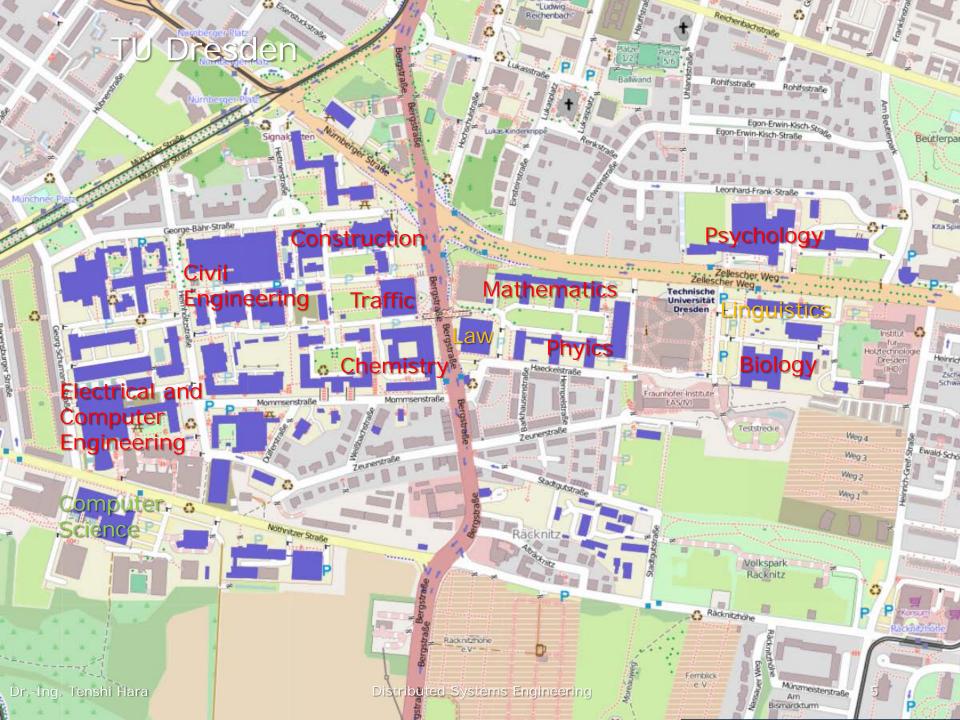




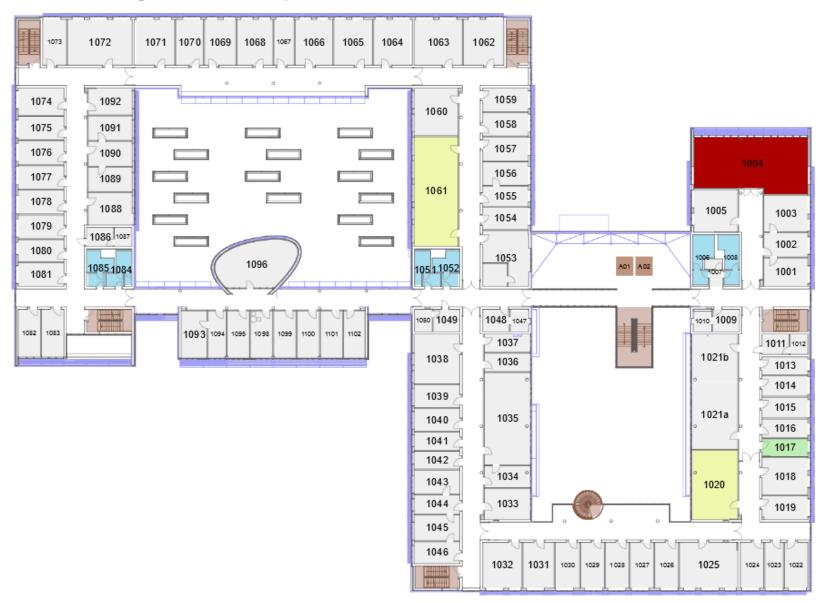






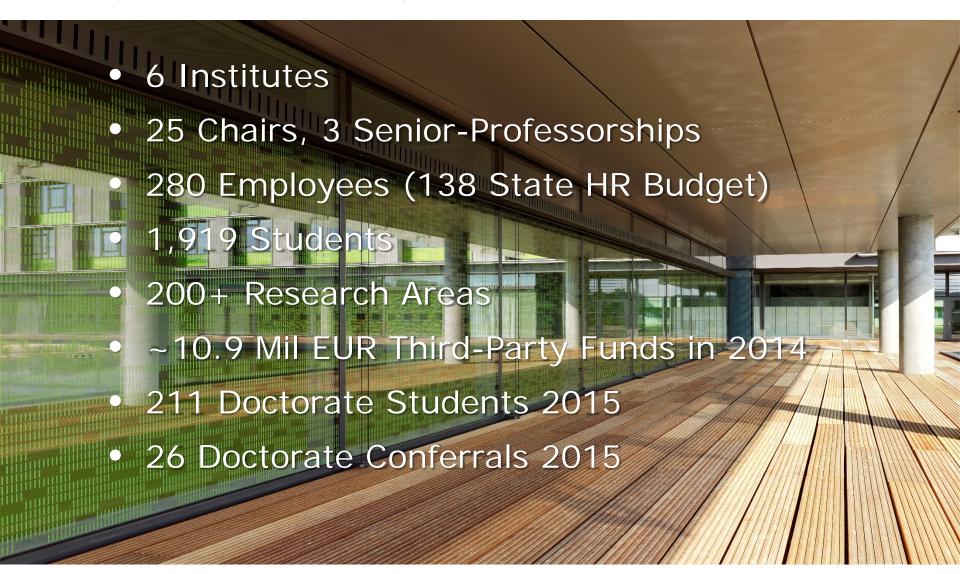


Faculty of Computer Science



Faculty of Computer Science

(Statistics as of 2014/2015)



Large-Scale Research Projects

- cfAED 'Centre for Advancing Electronics Dresden'
 - 7 Chairs from Computer Science
 - Budget: Excellence Initiative
- SFB 912 HAEC Highly-adaptive Energy Efficient Computing
 - 7 Chairs and 1 Priv.-Doz. from Computer Science
 - Budget: DFG
- ResUbic Lab Dresden Cyber-Physical Systems
 - 5 Chairs from Computer Science
 - Budget: EU (ESF) and SMWK
- QuantLA, EPCL, IT4BI, RoSI
 - 4 structured Ph.D. Programmes
 - financed by DFG, DAAD and EU

Numbers by Degree Programme

(Statistics as of 2015/2016)

		Total	Juniors
Computer Science	Diploma	423	81
	Bachelor	401	144
	Master	116	39
Media Computer Science	Diploma	56	0
	Bachelor	406	152
	Master	96	24
Teaching Post	Bachelor	5	0
	State Exam	113	43
	Master	12	0
Computational Science and Engineering	Master	12	8
Computational Logic	Master	54	38
Distributed Systems Engineering	Master	63	19
Doctorate		108	14
Total		1,919	591

Institutes and Chairs

Applied Computer Science

- Human Computer
 Interaction
- Industrial Communications
- Modeling and Simulation
- Technical Information Systems

Computer Engineering

- Compiler Architecture
- Computer Construction
- Embedded Systems
- Processor Design
- VLSI Design Systems, Diagnostics and Architecture

Artificial Intelligence

- Applied Knowledge Representation and Reasoning
- Computational Logic
- Computer Vision
- Scientific Computing for Systems Riology
- Knowledge Representation and Reasoning

Systems Architecture

- Computer Networks
- Datenbases
- Operating Systems
- Privacy and Data Security
 Systems Engineering

Software and Multimedia Technology

- Computer Graphics and Visualisation
- Didactics of Computer Science
- Media Design
- Multimedia Technology
- Software Technology

Theoretical Computer Science

- Algebraic and Logical Foundations of Computer Science
- Automata Theory
- Foundations of Programming
- Knowledge-Based Systems

DSE Master's Degree Programme

- 2-year full-time programme
- focusing on advanced topics of distributed (software) systems engineering:
 - Specification
 - Design*
 - Analysis
 - Development*
 - Operation

^{*} special emphasis on secure software for networked and distributed systems

Service Center for International Students

Examination Office for DSE students

- registration to examinations
- administration of exam results
- announces the grades
- issues transcripts of records and confirmation documents

Room: APB/2018

Hours: WE & FR 9:30a till 11:30a

E-Mail: infscis.dse@mailbox.tu-dresden.de

Web: https://www.inf.tu-dresden.de

/index.php?node_id=2728&In=en

Always bring ID and matriculation certificate! Student ID alone is insufficient.

Important contacts

Mr. Prof. Christof Fetzer
Professor of Systems Engineering
DSE Programme Coordinator (Dean)
Room APB/3104

christof.fetzer@tu-dresden.de
+49-351-463-39709

Hours: TU 9a – 10a

Mr. Prof. Alexander Schill
Professor of Computer Networks
Chairman of the Examination Board
Room APB/3111
alexander.schill@tu-dresden.de

Hours: by appointment

+49-351-463-38261

Application of

- deadline extensions (especially for thesis submission deadline)
- third attempt exams (2nd repition)
- aproval of (external) programme achievements

Help during the semester

Ms Dr.-Ing. Irina Karadschow

Ms Claudia Einert

Chair of Systems Engineering

Secretaries to Prof. Fetzer

Room APB/3107

se@mailbox.tu-dresden.de

+49-351-463-39708

Hours: TU 9a – 11a

TH 1p - 3p

Web:

http://dse.inf.tu-dresden.de

Ms Anja Fischer

Service Center for International Students

Coordinator

Room APB/2018

infscis.dse@mailbox.tu-dresden.de

+49-351-463-39240

Hours: WE & FR 9:30a - 11:30a

Mr Dr.-Ing. Tenshi Hara

Chair of Computer Networks

DSE Studies Advisor

Room APB/3085

tenshi.hara@tu-dresden.de

+49-351-463-38381

Hours: FR 9a - 12p w/o apmt.

FR 1p - 4p apmts. only

Mandatory Modules

4 mandatory Lecture Series (30 CP)

- Systems Engineering (9 CP)
- Ubiquitous Systems (7 CP)
- Transactional & Secure Platforms (9 CP)
- System Design (5 CP)

1 mandatory Internship (12 CP)

- 2 Complex Practicals (each 6 CP), or
- 1 Assignment Paper (12 CP)

1 mandatory Master Thesis (29 CP + 1 CP)

Elective Modules

14 elective Lecture Series (your pick of 48 CP)

- Advanced Security and Cryptography (6 CP)
- Wireless Sensor Networks (6 CP)
- Distributed Operating Systems (6 CP)
- Component-based Software Engineering (6CP)
- Selected Areas of Internet-based Systems (2x 6 CP out of 4x 6 CP)
- Concurrent and Distributed Systems (2x 6 CP)
- Software Fault Tolerance (2x 6 CP + 3 CP)
- Microkernel-based Oeprating Systems (6 CP)
- Real-Time Systems (6 CP)
- Application Development for Mobile & Ubiquitous Computing (6 CP)
- Principles of Dependable Systems (6 CP + 3 CP)
- Foundations of Computational Logic (2x 4,5 CP)
- Advanced Topics in Systems Architecture (3 CP)
- Advanced Topics in Distributed Systems (6 CP)

Recommended Schedule



- mandatory module
- elective module

This Semester

All mandatory lectures are offered this semester

- DSE-M1
 - Systems Engineering I Prof. Fetzer
 - Systems Engineering II Prof. Fetzer
- DSE-M2
 - Mobile Communication and Mobile Computing
 - Distributed Systems
 - TransactionalInformation Systems

Prof. Schill, Dr. Springer, PD Dr. Dargie

Prof. Schill, Dr. Springer, Dr. Braun

Prof. Lehner, Dr. Hahmann

- DSE-M3
 - Security and Cryptography I

Prof. Strufe, Dr. Köpsell

- DSE-M4
 - Design-Patterns and Frameworks

Prof. Aßmann

Period	МО	TU	WE	тн	FR
1		Tutorial Systems Engineering II APB/E023			
2		Tutorial Distributed Systems APB/E023		Lecture Security and Cryptography I APB/E023	
3	Lecture Systems Engineering I APB/E023			Lecture Security and Cryptography I APB/E023	Tutorial Systems Engineering I APB/E023
4	Lecture Transactional Information Systems APB/E023	Tutorial Transactional Information Systems APB/E001		Lecture Mobile Communication and Mobile Computing APB/E023	
5	Lecture Systems Engineering II APB/E023	Lecture Design Patterns and Frameworks APB/E023	Tutorial Design Patterns and Frameworks WIL/C129		
6	http://web.inf	e table incl. electiv Ltu-dresden.de/Fa studiengang_dse	ak/w/16	Lecture Distributed Systems SCH/0A01	

Time Table

Lectures, Seminars, Practicals, et cetera take place

- October till January Winter Semester
- April till July
 Summer Semester
- Monday through Friday (officially also on Saturday)

```
1st period
2nd period
3rd period
4th period
5th period
6th period
7:30a till 9a
10:50a
11:10a till 12:40p
1p till 2:30p
2:50p till 4:20p
4:40p till 6:10p
7th period (rarely)
6:30p till 8p
```

Pay attention to holidays, et cetera!

https://tu-dresden.de/studium/im-studium/studienjahresablauf

Terminology

SWS Semesterwochenstunde (Semester Weekly Hour)

1 SWS equals to 1 weekly 45-minute session for 14 weeks (additional 45 minutes of weekly outwork)

usually given for lectures, tutorials and practicals (V/Ü/P)

e.g.: Systems Engineering I -2/2/- or 2/2/0

weekly 90-minute lecture,

weekly 90-minute tutorial,

no practical

Periods are always 90 minutes!

Uneven SWS mean fouthnightly sessions. Pay attention to the week numbers (even/uneven).

This week is even (40th week of the year).

Enrollment

Most of the offered lectures, tutorials and practicals require mandatory enrollment.

Please use the online enrollment systems provided by jExam:

https://jexam.inf.tu-dresden.de
/de.jexam.web.v4.5/spring/welcome?lang=en

Foreign language courses offered by LSK/TUDIAS (not for German courses!):

https://lskonline.tu-dresden.de/lskonline/de/102.0.1

Exams

Taken either as written or oral exam.

- → Refer to module description or ask lecturer
- register IN PERSON at SCIS
 - during the registration period (written exam)
 - latest two weeks prior to exam (oral exam)
- for oral exams:
 - ask examiner for available appointments
 - go to SCIS and register for the exam
 - present SCIS paper-work to examiner and make the actual exam appointment
- cancellation is possible BEFORE the examination latest
 - three days (written exam)
 - two weeks (oral exam)
- after cancellation deadline, you must present a sickness certificate to the SCIS issued on the day of examination or before stating you were unable to take the exam

Should you fail an exam

Keep calm!

- you may repeat a failed exam twice
 - first repetition within one year
 - second repetition within the next examination period
 - only after three failed attempts you will drop out
- you need to apply for the second repetition and receive a permit from the examination board
- you may present a sickness certificate if you were ill during an exam, nullifying the failed attempt (needs to be hand-in within three days of the exam)

Careful, these automatically lead to non-passing grade (5,0):

- failure to register for repetition in due time
- no-show without sickness certificate or very good reason (flood, tornado, earthquake, ...)

Good to know

Mailing-List (dse2016@ifsr.de)

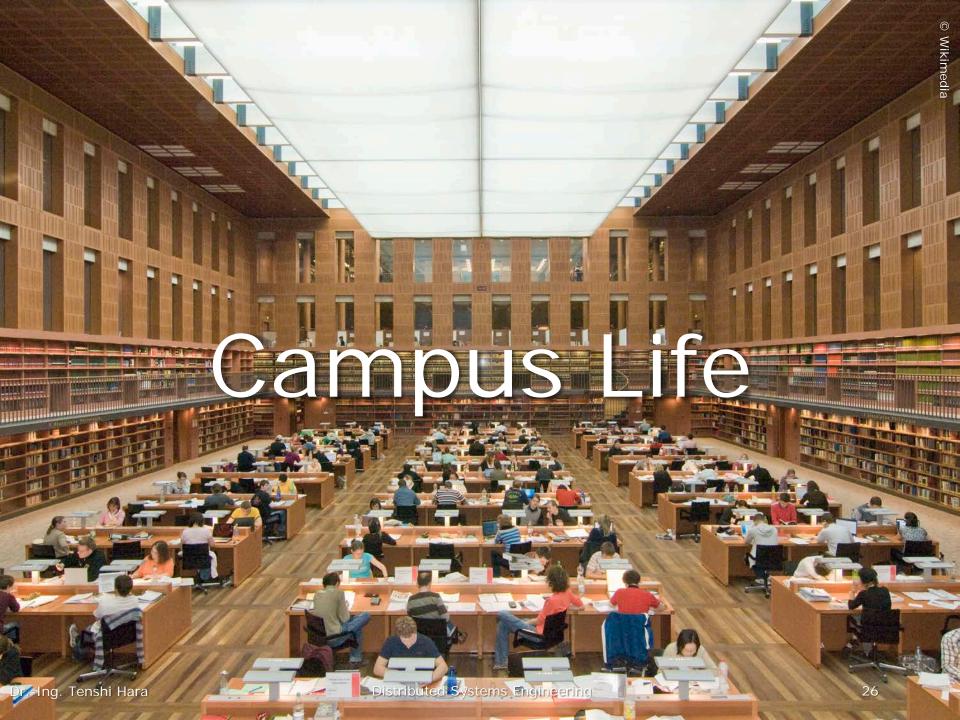
- register at https://lists.ifsr.de/listinfo/dse2016
- important information and news (especially from SCIS)
- ask questions and engage in discussions

International Office

- provides help with all kinds of problems (VISA, government, dormitory, ...)
- good community for international exchange

Re-registration

- re-register with the matriculation office every semester
- pay the semester contribution on time
- without re-registration you will autmatically drop-out



SLUB – State and University Library

- Central Library (main building):
 Zellescher Weg 18 (#47a on TUD map)
- Departmental Library ('DrePunct' building):
 Zellescher Weg 17 (#47c on TUD map)
- registration with
 - online form in advance
 - matriculation certificate
 - passport
- service is free for registered students
- additional services: WLAN, copy machines
- information at: http://www.slub-dresden.de

IT Services provided by ZIH

Computer Labs (ground level, west wing)

- personal login and first password on semester print-out sheet
- operating hours of computer labs
 - weekdays: 7a till 9:30p
 - weekend: 10a till 5:30p

E-mail

- E-mail address on semester print-out sheet; in general: givenname.surname@mailbox.tu-dresden.de
- comes with Unix-mail (IMAP, POP3) and Exchange access
- make sure to set-up account with your mail programme, or set-up a forward (instructions on ZIH website), and check the inbox regularly
- important messages from the university are sent to this address only
 - 'I did not receive the E-Mail' is not a valid excuse if you miss an exam, et cetera!

Refectories

You can pay with EC-card or cash, but Emeal is the convenient choice.

- without Emeal you must show your student ID with each purchase in order to receive student discounts!
- in cafeterias 3% discount
- deposit of 5 EUR
- registration with
 - passport
 - student ID
 - Emeal certificate

 (on semester print-out sheet)
- several refectories at main campus nearest one:
 Alte Mensa Mommsenstr. (#24a on TUD map)



Extra-curricular activities

Information around study and living:

http://www.studydresden.com

Sports

- registration online (starts next Tuesday, 11 October)
- http://tu-dresden.de/usz
- small fee per semester

LinkPartner

- find a German Link Partner
- check out: http://www.linkpartnerprogramm.de

German Courses

VHS Basic Course, Level A1

- http://www.vhs-dresden.de/?id=189
- Adult Education Centre Dresden



TUDIAS Basic Course, Level A1

- course fee: 360€ excl. learning material
- e.g., 7 Nov 16 till 30 Jan 2017 (part 1) and 1 Feb 2017 till 10 Apr 2017 (part 2)
- 80 teaching units
- twice per week (5p till 8:15p; 8h per week)

TECHNISCHE UNIVERSITÄT DRESDEN INSTITUTE OF ADVANCED STUDIES

