

Herzlich Willkommen! *A Warm Welcome!*

Fakultät Verkehrswissenschaften „Friedrich List“
„Friedrich List“ Faculty of Transport and Traffic Sciences



„Friedrich List“ Faculty of Transport and Traffic Science

Daniel Lubig M.Sc.

Welcome to Air Transport and Logistics

Freshmen Welcome and Notes

Dresden, 10.10.2024

Number of the Day

82 Freshmen
in Air Transport and Logistics

out of

714 Applicants
in Air Transport and Logistics

Structure of the Study Program

Structure of the Study Program

CP	1st semester	2nd semester	3rd semester	4th semester
5	VW-ATL-01 (Prof. Schönberger) Operations Research and Logistics			
10	VW-ATL-02 (Dr. Preis) Material Flow Analysis and Optimization			
15	VW-ATL-03 (Dr. Treiber) Methods in Transport Economics and Statistics			
20	VW-ATL-05 (Prof. Fricke) Flight Performance and Aerodynamics			
25				
30				

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10	VW-ATL-02 (Dr. Preis) Material Flow Analysis and Optimization	VW-ATL-07 (Prof. Fricke) Air Traffic and Airport Operations		
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15	VW-ATL-03 (Dr. Treiber) Methods in Transport Economics and Statistics			
20	VW-ATL-05 (Prof. Fricke) Flight Performance and Aerodynamics	Elective modules: VW-ATL-20 to VW-ATL-32 Advanced elective modules: <ul style="list-style-type: none"> • each equals 5 CP • required amount of 15 CP: choose at least 3 modules VW-ATL-51 to VW-ATL-81 Free elective modules: <ul style="list-style-type: none"> • each equals 5 CP • choose modules up to 20 		
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30	(5 LP)	(15 LP)	(15 LP)	

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10	VW-ATL-02 (Dr. Preis) Material Flow Analysis and Optimization	VW-ATL-07 (Prof. Fricke) Air Traffic and Airport Operations	VW-ATL-08 (Prof. Fricke) CNS and tactical ATM	
15	VW-ATL-03 (Dr. Treiber) Methods in Transport Economics and Statistics			
20	VW-ATL-05 (Prof. Fricke) Flight Performance and Aerodynamics	Elective modules: VW-ATL-20 to VW-ATL-32 Advanced elective modules: <ul style="list-style-type: none"> • each equals 5 CP • required amount of 15 CP: choose at least 3 modules VW-ATL-51 to VW-ATL-81 Free elective modules: <ul style="list-style-type: none"> • each equals 5 CP • choose modules up to 20 		
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10	VW-ATL-02 (Dr. Preis) Material Flow Analysis and Optimization	VW-ATL-07 (Prof. ...) Air Traffic and ...	<p>Recommendation for elective module in the 1st semester:</p> <p>VW-ATL-30 - Methods in Data Analysis <u>or</u> VW-ATL-31 - "Theoretical Multivariate Statistics"</p> <p>elective modules:</p> <ul style="list-style-type: none"> • each equiva... • choose modules up to 20 	
15	VW-ATL-03 (Dr. Treiber) Methods in Transport Economics and Statistics			
20	VW-ATL-05 (Prof. Fricke) Flight Performance and Aerodynamics			
25		VW-ATL-51 ...		
30	(5 LP)	(15 LP)	(15 LP)	

Structure of the Study Program

Content of a module

Module

Lecture

Exercise / Tutorial

Practical course

Lecture on a specific topic

- Active participation due to the family size of the lectures.
- Ask questions! Questions are welcome!
- Please prepare well before and after the lecture!

Learning material is practiced, consolidated and deepened.

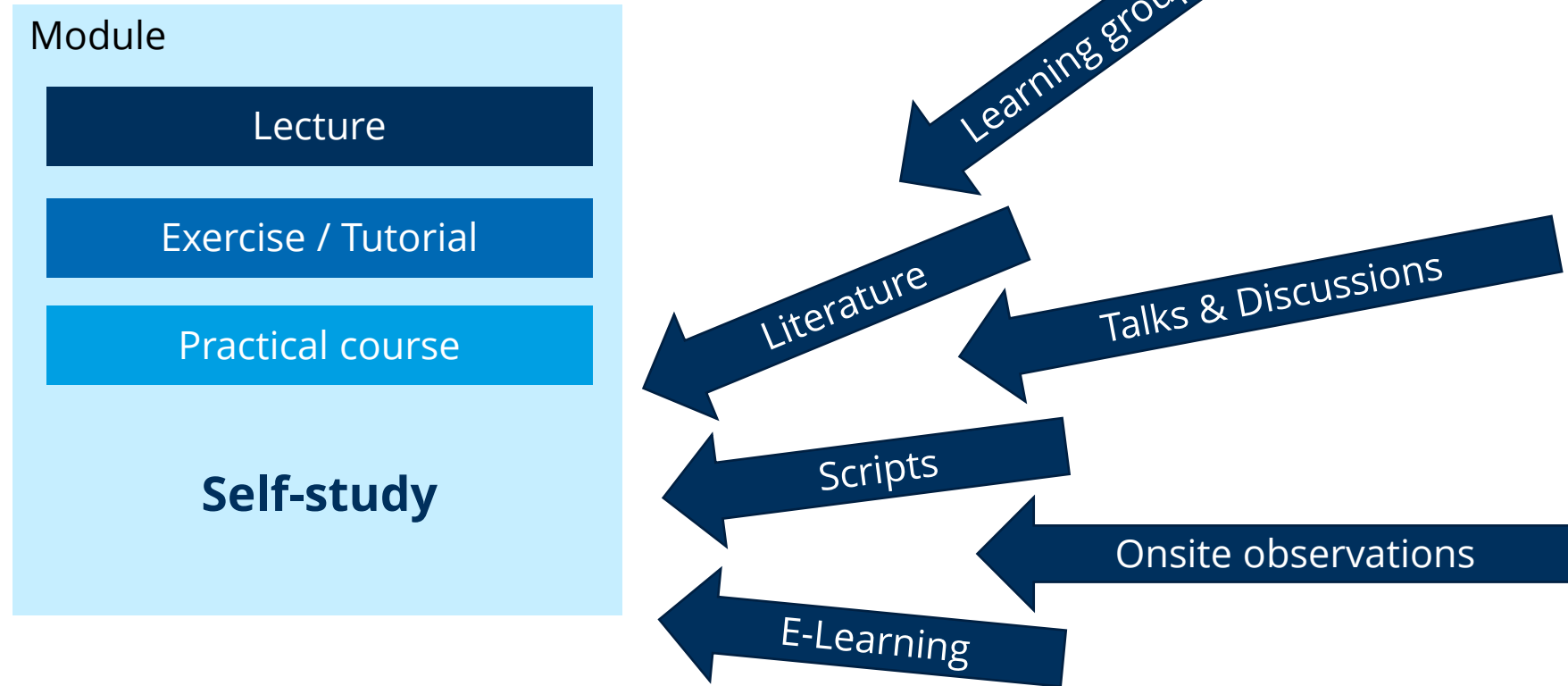
- Prepare and use!
- Ask questions and work together!

Practical application of knowledge.

- Prepare internships!
- Ask questions and work together!

Structure of the Study Program

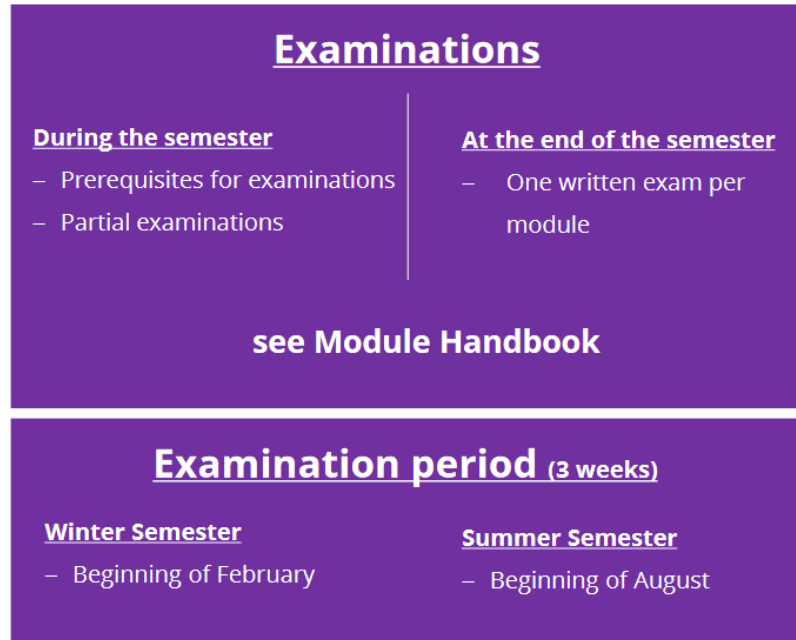
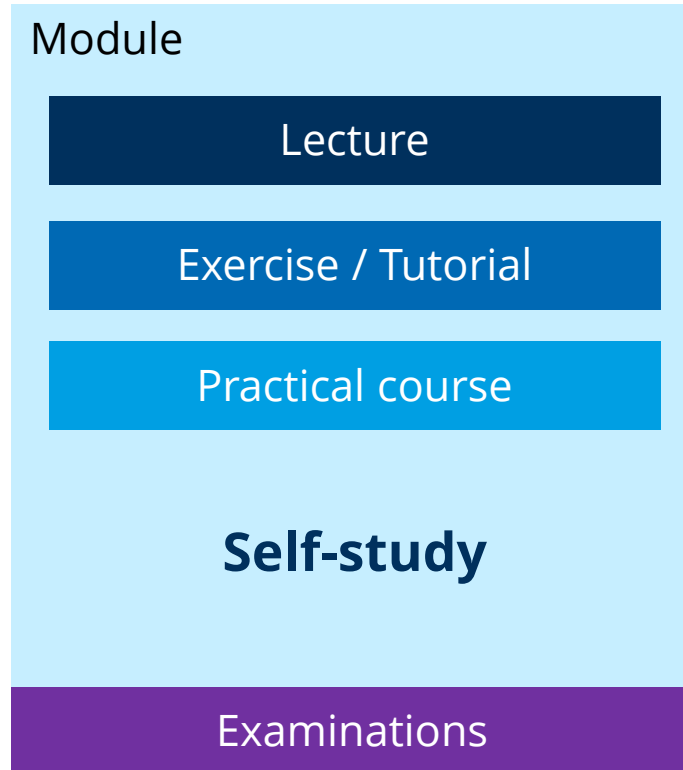
Content of a module



Learning continuously!

Structure of the Study Program

Content of a module



Registration necessary! Observe deadlines.

<https://tu-dresden.de/bu/verkehr/studium/pruefungsamt/pruefungstermine-einschreibung>

Compensation for disadvantages possible.

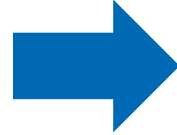
<https://tu-dresden.de/tu-dresden/organisation/gremien-und-beauftragte/beauftragte/bfsb/nachteilsausgleich>

All information at the examination office:

<https://tu-dresden.de/bu/verkehr/studium/pruefungsamt>

Structure of the Study Program

Which modules in the semester?
Study schedule



When are the courses?
Timetable

Modulnummer	Modulname	1. Semester V/U/S/P	2. Semester V/U/S/P	3. Semester V/U/S/P	4. Semester (M)	LP
Pflichtbereich						
VW-ATL-01	Operations Research and Logistics	2/2/0/0 PL				5
VW-ATL-02	Material Flow Analysis and Optimization	2/2/0/0 PL				5
VW-ATL-03	Methods in Transportation Econometrics and Statistics	2/2/0/0 PL				5
VW-ATL-04	Decision Making in Enterprise Logistics		2/2/0/0 PL			5
VW-ATL-05	Flight Performance and Aerodynamics	7/1/0/0,5 PVL, PL				10
VW-ATL-06	Flight Planning and Aircraft Operations			4/0,5/0/0,5 PL		5
VW-ATL-07	Air Traffic and Airport Operations		6/2/0/0 PL			10
VW-ATL-08	CNS and tactical ATM			6/1/0/1 PL		10
Wahlpflichtbereich						
Es sind insgesamt Module im Umfang von 35 Leistungspunkten zu wählen. Es sind Module im Umfang von mindestens 15 Leistungspunkten zu wählen.						
VW-ATL-20	Safety and Airline Management		3/1/0/0 PL			5
VW-ATL-21	Terminal Operations		3/1/0/0 PVL, PL			5
VW-ATL-22	Aircraft Engines		2/1/0/0 PL			5
VW-ATL-23	Helicopter Technology		2/0/0/0	2/0/0/0 di		5

WiSe 2024/25 (14.10.24 - 08.02.25) Stand: 12.09.2024

VwM-1-ATL
VW 1/19/50

ZEIT / TIME	MONDAY / MONTAG	TUESDAY / DIENSTAG	WEDNESDAY / MITTWOCH	THURSDAY / DONNERSTAG	FRIDAY / FREITAG
1.05 07:30 - 09:20 Uhr			Schönberger ÜD ATL-01/ Operations Research and Logistics * FOE/244H	Fricke VO ATL-05-3/ Fundamentals of Aircraft Engines POT/151H	
2.05 09:20 - 10:50 Uhr	Oühm VW ATL-31/ Theoretical Multivariate Statistics POT/251H	Kerschke ÜW ATL-30/ Methods in Data Analytics HUL/536H	Preis VO ATL-02/ Material Flow Analysis and Optimization POT/151H		Fricke u.a. Sem. III Research Thesis POT/106/U
3.05 11:10 - 12:40 Uhr			Schönberger VO ATL-01/ Operations Research and Logistics POT/81H	Michler ÜW ATL-64a/ Sensor Technology in Transport Systems 1)	Fricke VO ATL-05-2/ Flight performance POT/66H
4.05 13:00 - 14:30 Uhr	Fricke VO ATL-05-1/ Aerodynamics and Flight Characteristics POT/51H	Schönberger ÜD ATL-01/ Operations Research and Logistics * FOE/244H	Michler VW ATL-64a/ Sensor Technology in Transport Systems	Fricke VO/ÜD ATL-05-1/ Aerodynamics and Flight Characteristics POT/51H	Oühm ÜW ATL-31/ Theor. Multivariate Statistics HUL/536H
5.05 14:50 - 16:20 Uhr		Treiber VO ATL-03/ Methods in Transportation Econometrics and Statistics POT/51H	Preis ÜD ATL-02/ Material Flow Analysis and Optimization POT/151H		
6.05 16:40 - 18:10 Uhr	Kerschke VW ATL-30/ Methods in Data Analytics HUL/536H				
7.05 18:30 - 20:00 Uhr			*) mehrfaches Übungsangebot / multiple exercise offer		



When which topic?
OPAL courses of the teachers

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10	VW-ATL-02 (Dr. Preis) Material Flow Analysis and Optimization	VW-ATL-07 (Prof. Fricke) Air Traffic and Airport Operations	VW-ATL-08 (Prof. Fricke) CNS and tactical ATM	
15	VW-ATL-03 (Dr. Treiber) Methods in Transport Economics and Statistics	Elective modules: VW-ATL-20 to VW-ATL-22 Advanced elective modules: • each equals 5 CP • required amount of 15 CP; choose at least 3 modules		
20	VW-ATL-05 (Prof. Fricke) Flight Performance and Aerodynamics	VW-ATL-51 to VW-ATL-51 Free elective modules: • each equals 5 CP • choose modules up to 20		
25				
30	01.08	21.08	01.09	

The screenshot shows the OPAL interface for the course 'Flight Performance'. It includes a navigation menu with 'Exam instruction', 'Registration', 'Notes', 'Lecture Material', and 'Homework'. The main content area displays the course title, a description of the module covering flight performance calculations and aerodynamics, and a list of module parts: 'Aerodynamics & Flight Mechanics', 'Flight Performance', and 'Fundamentals of Aircraft Engines'. A 'Please note' section at the bottom indicates that registration is required for all three parts.

Structure of the Study Program

The screenshot shows the OPAL website interface. At the top, there is a search bar and user information for 'Kati Ahnert'. The main navigation bar includes 'Startseite', 'Lehren & Lernen', and 'Kursangebote'. The current page is 'Study Guide Air Transport and Logistics'. A sidebar on the left lists navigation options: 'Welcome at the Master ATL', 'Registration', 'Letter to new ATL Students Winter Term 2023/24', 'Advice', 'Module Guide', and 'Gruppen'. The main content area features a book icon and the text: 'TU Dresden | semesterübergreifend', 'Study Guide Air Transport and Logistics', 'Verantwortlicher: Kati Ahnert', 'Study Guide Air Transport and Logistics', and a link 'Weitere Informationen anzeigen'. Below this is a 'Welcome at the Master ATL' section with a message from Kati Ahnert, Academic Programme Coordinator, encouraging registration.

Please register here:



Module Guide Air Transport and Logistics

[Full screen](#) | [Back to OPAL](#)

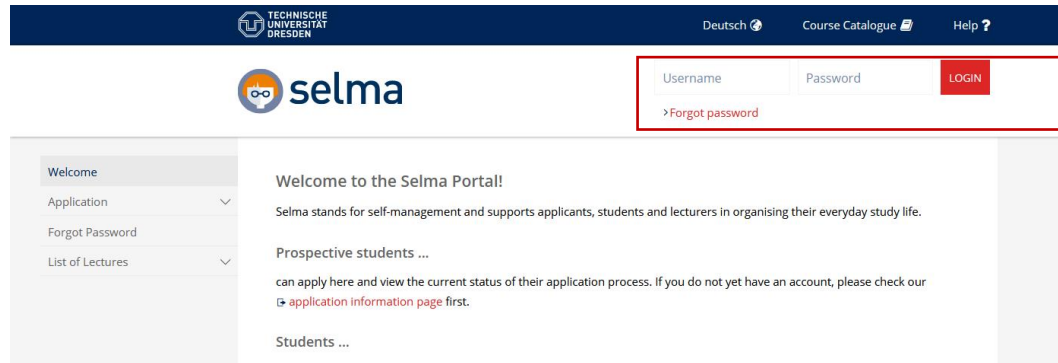
1st semester

Language = language of instruction (EN = English, DE = German), Description = description of the module

Number	Name	ETCS	Module responsible	Language	Description	Link (OPAL)
VW-ATL-01	Operations Research and Logistics	5	Schönberger	EN	EN DE	Link
VW-ATL-02	Material Flow Analysis and Optimization	5	Preis	EN	follows soon	
VW-ATL-03	Methods in Transportation Econometrics and Statistics	5	Treiber	EN	EN DE	Part: Aerodynamics and Flight Characteristics
VW-ATL-05	Flight Performance and Aerodynamics	10	Fricke	EN	follows soon	Part: Flight Performance Part: Fundamentals of Aircraft Engines
Free Elective Module*		5				

* See List of Free Elective Modules

Structure of the Study Program



Instructions for using the student portal "SELMA" for module and exam registration and deregistration:

- Link to the portal: <https://selma.tu-dresden.de>
- Login: ZIH-Login with corresponding password
- Contact address: pruefungsmanagement.bu@tu-dresden.de or supervising examination office



Module registration:

1. select the tab "Modules | Courses" and
2. then select the tab "Register | Deregister".
 - ATTENTION - if you do NOT select the second tab, you will not have the possibility to register modules and courses
3. In the middle part of the web window, select the area where your desired module is located.

Structure of the Study Program

The screenshot shows the 'selma' portal interface. On the left sidebar, the 'Prüfungen' tab is selected and highlighted with a red box and the number '1'. Below it, the 'Anmelden | Abmelden' link is also highlighted with a red box and the number '2'. The main content area is titled 'Anmeldung zu Prüfungsleistungen'. It shows a dropdown menu for 'Semester auswählen:' set to 'WiSe 2020/21' with an 'AKTUALISIEREN' button. Below this is a table with columns 'Modul/Veranstaltung', 'Prüfungsleistung', and 'Termin'. The first row shows 'M1500-A1210 Freies künstlerisches Arbeiten' with a 'Kein Termin' and an 'ANMELDEN' button highlighted with a red box and the number '3'. The second row shows 'M1500-A1230 Darstellende Geometrie und CAD' with 'Beleg 2 Darstellende Geometrie und CAD' and 'Kein Termin'.

Registration for exam (pre)services:

1. select the tab "Exams" and
2. then select the tab "Register | Deregister".
 - ATTENTION - if you do NOT select the second tab, you will not be able to register for exams.
 - You can only register for exams if you have previously registered for the corresponding module!
3. In the middle area of the web window, select the exam you want to take
 - ACHUTNG: the registration button appears only if registration is possible. Outside the registration periods this button is NOT available

The screenshot shows the 'selma' portal interface. On the left sidebar, the 'Ergebnisse' tab is selected and highlighted with a red box and the number '2'. The main content area is titled 'Ergebnisse Prüfungsleistungen'. It shows a dropdown menu for 'Semester auswählen:' set to '<Alle>' with an 'AKTUALISIEREN' button. Below this is a table with columns 'Prüfungsleistung', 'Datum', and 'Note'. The table is empty, and the text 'Es liegen keine Ergebnisse vor!' is displayed. Above the table, three tabs are visible: 'Prüfungsergebnisse' (highlighted with a red box and the number '3'), 'Semesterergebnisse' (highlighted with a red box and the number '4'), and 'Studienergebnisse' (highlighted with a red box and the number '5').

Exam results:

1. Under the "Exams" tab and the following
2. "Results" tab, you can view all your exam and module results
3. Under "Exam results", you can view the exam (pre-) performance results you have achieved in the respective semester.
4. Under "Semester Results", you can view the module exam results sorted by semester.
5. Under "Study results" you can view the total results of your enrolled study program.
 - Each module that has been started at least gets a hyperlink, which then leads you to the individual exam (pre)results

Expectations

Use your TU-Dresden email account for each contact to a member of the university!

Why? Emails may not reach the intended post-box and can be stored in a spam folder or be blocked. It is unlikely, that you will receive an answer.

When writing an email, start with your full name, study program and matriculation number followed by a brief content (avoid overloaded background stories).

Why? Save your and our time! This enables direct assignments and faster response in line with your request.

Punctuality is expected anywhere.

Why? We reserve defined times slots for you. Being late shortens your time slot and can disturb the flow of everyone. Punctuality is a sign of politeness and will be respected by your future employers.

How do we get started?

How do we get started?

1. Get an Overview – This week if possible

- Participate in the **ESE** (Freshmen orientation week)
- Put together your **timetable**
- Register in **OPAL courses**
- Look through **information material** and important **websites**

2. Courses

- Information about the procedure and examination in the first semester week onsite and within module handbook
- Attend lectures and exercises!
- Prepare the lecture and be communicative within → **critical thinking is expected**

3. Contacts

- **Making contacts:** finding friends, **forming study groups**, taking part in FSR (Student Council) events, TU Dresden University Sport Center

Internet sources

Faculty

www.tu-dresden.de/bu/verkehr



Student Council

www.fsr-verkehr.de



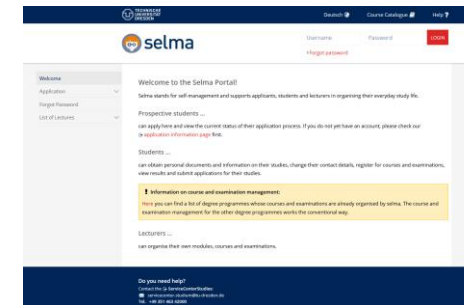
University Library

www.slub-dresden.de



Learning Platform OPAL

<https://bildungsportal.sachsen.de/opal/login>



Selma-Portal

selma.tu-dresden.de

If there are Questions or Problems: No one is alone!



Kommilitonen und Freunde

*Fellow students
and friends*



Studierende des FSR

*Students of the
student council*



Fr. Lindner im Prüfungsamt

*Mrs. Lindner in the
Examination Office*

Special Offer:
*English office
hours in the
examination office
with Mrs.
Hildebrandt
Thursday
9:00 – 10:00 a.m.
in HÜL/N109*



Beratung im Studierendenrat

*Advice in the
TUD-Students Council*



Beratung des Studentenwerks

*Advice from the
Student Union*



Studienberatung des SCS

*Study Advice in the
Service Center Studium*



International Office

*Advice for the
international students*

Foto: REDEREI / Benjamin Jenak

If there are Questions or Problems: No one is alone!

Your student contact persons



Chiara von Watzdorf
Tutor



Siddharth Sharma
Tutor

international.tutors-vw@tu-dresden.de

Foto: REDEREI/Benjamin Jenak

If there are Questions or Problems: No one is alone!

Are you an **INTERNATIONAL STUDENT**
and **NEW** in Dresden?



OFFICE HOUR
FOR INTERNATIONAL STUDENTS

We know it's hard to settle in a new country when you begin your studies – but you don't have to tackle every problem on your own!

Come to our **OFFICE HOUR** and get help with organizational and study-program-related questions **every Monday from 2:50 to 4:20 pm (5th DS) in room POT 158** – see you there!

Join our **CHEER-UP-MEETINGS**

We help you adjust to your new environment in a safe space. You can meet other international students, eat and share food. Save and register for the following dates:

1 st Cheer-Up	Tue Oct 22	6 – 9 pm
2 nd Cheer-Up	Tue Nov 19	6 – 9 pm
3 rd Cheer-Up	Mon Dec 16	6 – 9 pm
4 th Cheer-Up	Tue Jan 28	6 – 9 pm

in room POT 168



CHEER-UPS

More information:



<https://tud.link/ynp65c>

Foto: REDEREI / Benjamin Jenak

Does it fit?! Program (PASST?!-Programm)



Participation

Give your **consent**
for >>PASST?!<<
in selma



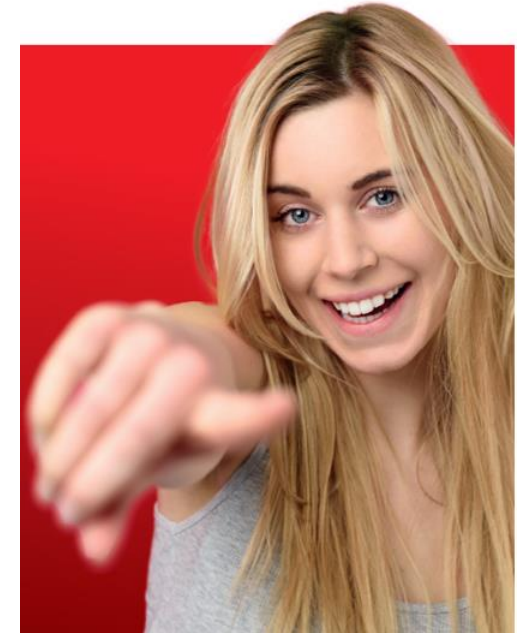
Check

An **anonymous check**
of your study progress
data will be made
regularly



Support

You will receive
individual advice
and **support offers**



- **"Early warning system" for difficult study paths with individual tips & tricks.**
- **Good service, highly recommended! Registration in Selma Portal required.**
- **Information:** <https://tu-dresden.de/studium/im-studium/beratung-und-service/zentrale-studienberatung/passt>

Good to know!

Hints & Tips

Learning spaces at the TUD

- **Gerhart Potthoff Building (POT):**
 - Student workspace POT 067 A
 - Workstations in „U-Boot“ (outside opening hours - until 11 am and from 2 pm)
 - Seating areas in the stairwells
- **Staats-, Landes- und Universitätsbibliothek (SLUB):**
 - Many workstations in the main building (Zellescher Weg)
 - Many workplaces in Dre.Punct (Zellescher Weg)
 - Relatively quiet workplaces in other branch offices
- **Teaching spaces for learning spaces:**
 - Vacant classrooms, if available and previously booked:
<https://bildungsportal.sachsen.de/opal/auth/RepositoryEntry/35839836161?0>



Learning languages at the TU Dresden

Languages on offer

Ancient Greek	Arabic	Chinese	German
English	Finnish	French	Italian
Japanese	Latin	Polish	Portuguese
Russian	Swedish	Spanish	Czech

Registration / Enrollment at the start of the semester

Attention: Places are limited!



Enrollment always
from April or
October via **OPAL**

Im WiSe 24/25 from
01.10.2024

Start of classes from
21.10.2024

<https://bildungsportal.sachsen.de/opal/auth/repository/catalog/32172998658>



German Courses for international Students

If you want to work in Germany, you absolutely need German.
If not, it will still help you through your studies.

Basic and advanced Courses

- Understanding lectures better
- Give lectures in German
- Prepare exams

"German as a foreign language"

- For different language levels
- General German
- Subject-specific German

https://www.sprachausbildung.tu-dresden.de/sprachen/deutsch_als_fremdsprache/



Scientific Writing Workshop

THE WRITING CENTER OF TU DRESDEN

current offers

The **writing peer tutors** and **lecturers of the Writing Center** support students and lecturers in scientific writing and in the teaching of scientific work, among other things with **writing consultation**, **workshops** in courses and various further **education formats** - also during the lecture-free period.

more information and registration

- > for students
- > for lecturers
- > workshops for students
- > Continuing Education for lecturers

At the Writing Center of TU Dresden (SZD) you can find information and help concerning academic reading and writing. The SZD supports students and lecturers with offers such as

- planning and writing various study texts, such as protocols, seminar papers or theses
- and teaching academic writing in seminars/ lectures and supervision.

FOR STUDENTS



© Michaela Wolochinger

From your first transcript or term paper to your final thesis: the Writing Center team is happy to provide advice and assistance throughout your studies

An overview of all offers for students as well as further information is listed below:

Writing Consultation



Corrections/Lecturing



workshops: online & offline



offers for studium generale



Infothek & Newsletter: Material and Tips



Room for Writing at the TextLab



Learning and Writing Groups



Long Night Against Procrastination



Writing Marathon



Qualification & Peer Learning



<https://tu-dresden.de/karriere/weiterbildung/zentrum-fuer-weiterbildung/schreibzentrum/fuer-studierende/index>

Some things you don't learn in college, but only in life

- **Acquire own working methods**

- How do I **manage my time**?
- How do I **structure my semester** so that I can still “breathe” during the exam period?
- How do I acquire the necessary **MS Office skills** so that I can write good term papers and theses?
- How do I **file documents** and find them again later?
- How do I use and link my **email accounts**? How do I use a digital calendar?
- What do I need to keep in mind when **writing letters/emails** to internship companies, supervisors or professors?

- **Social commitment**



in committees, associations or interest groups

(FSR, "Listige Vereinigungen", Spätverkehr, politics, sport clubs, [TU Dresden University Sport Center](#),...)

- **Get to know the professional world**

Internship, student assistant, interest group

Summary

- Study requires a lot of independence, but is fun!
- If you have problems, get help in time!
- Network with each other!  

Have fun & good luck in your studies!