

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

Prof. Jörn Schönberger

Welcome to Transportation Economics

Freshmen welcome and notes

Dresden, 10.10.2024

Number of the Day

39 Freshmen in Transportation Economics

Structure of the Study Program

Structure of the Study Program

Our Common Goal: Your Successful Study Program Completion

- You will be able to identify, analyze and solve problems relating to transportation economics.
- In professional practice, you can take on diverse and complex tasks within the scope of managerial activities, e.g.
 - in the field of mobility, transport, logistics and data analysis
 - in national and international organizations
 - in public administrations, associations, politics and policy consulting as well as research and teaching institutions
- You can start a doctorate.



Structure of the Study Program

1st Semester

2nd Semester

3rd Semester*

4th Semester

5

10

15

20

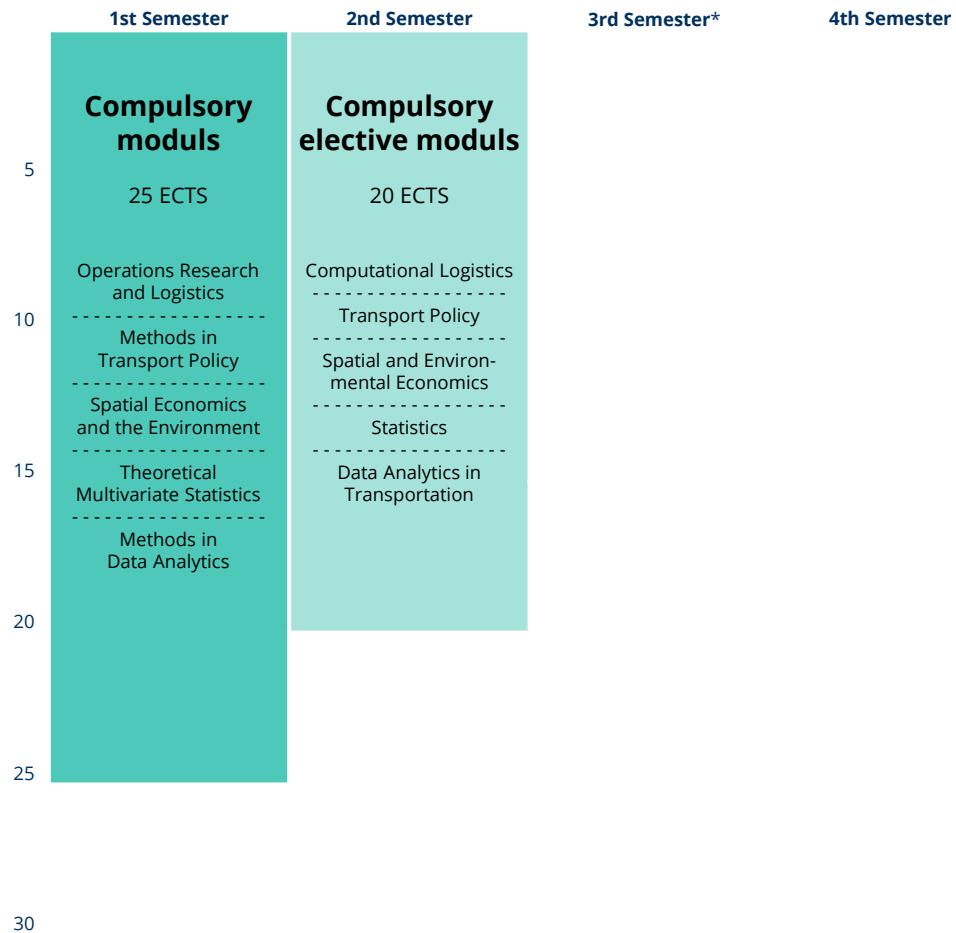
25

30

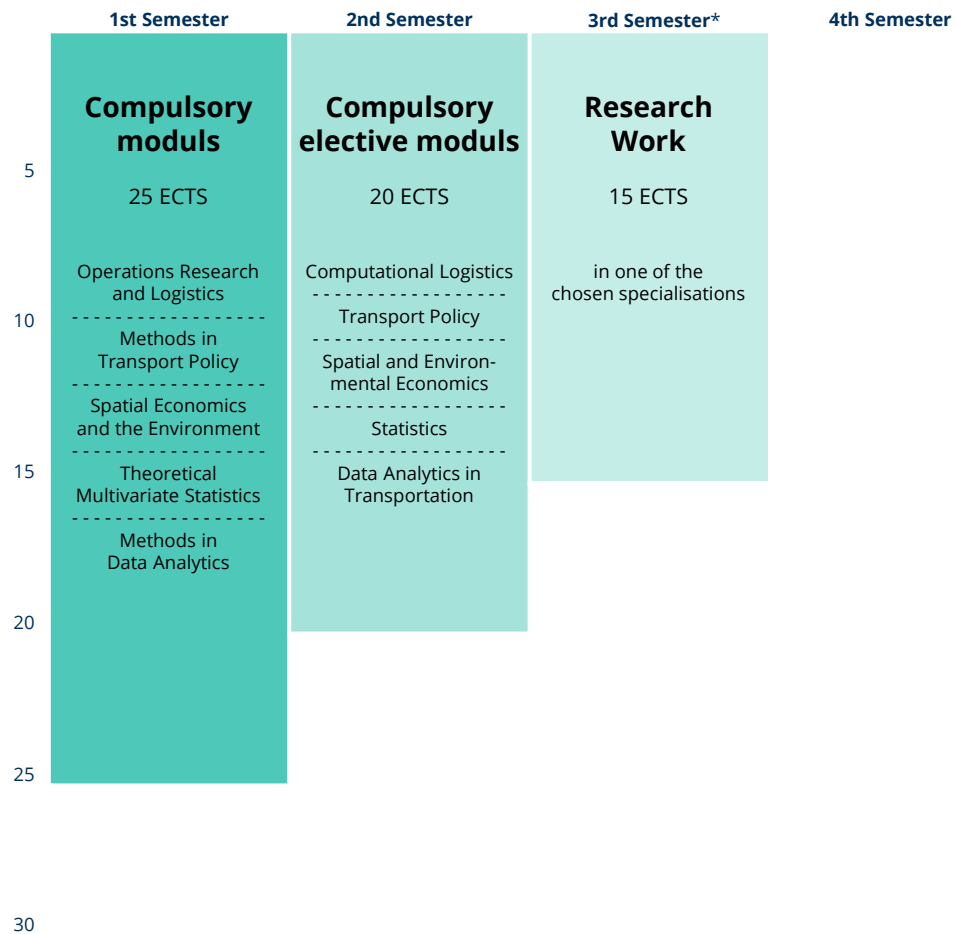
Structure of the Study Program



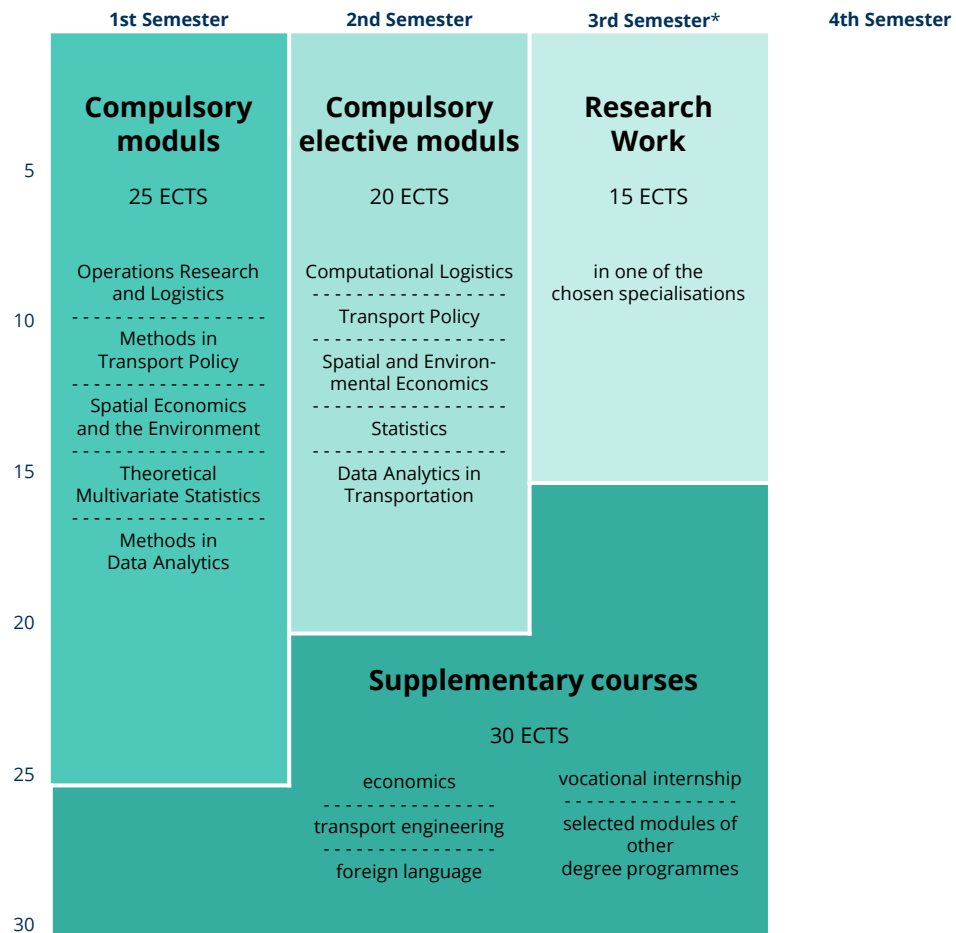
Structure of the Study Program



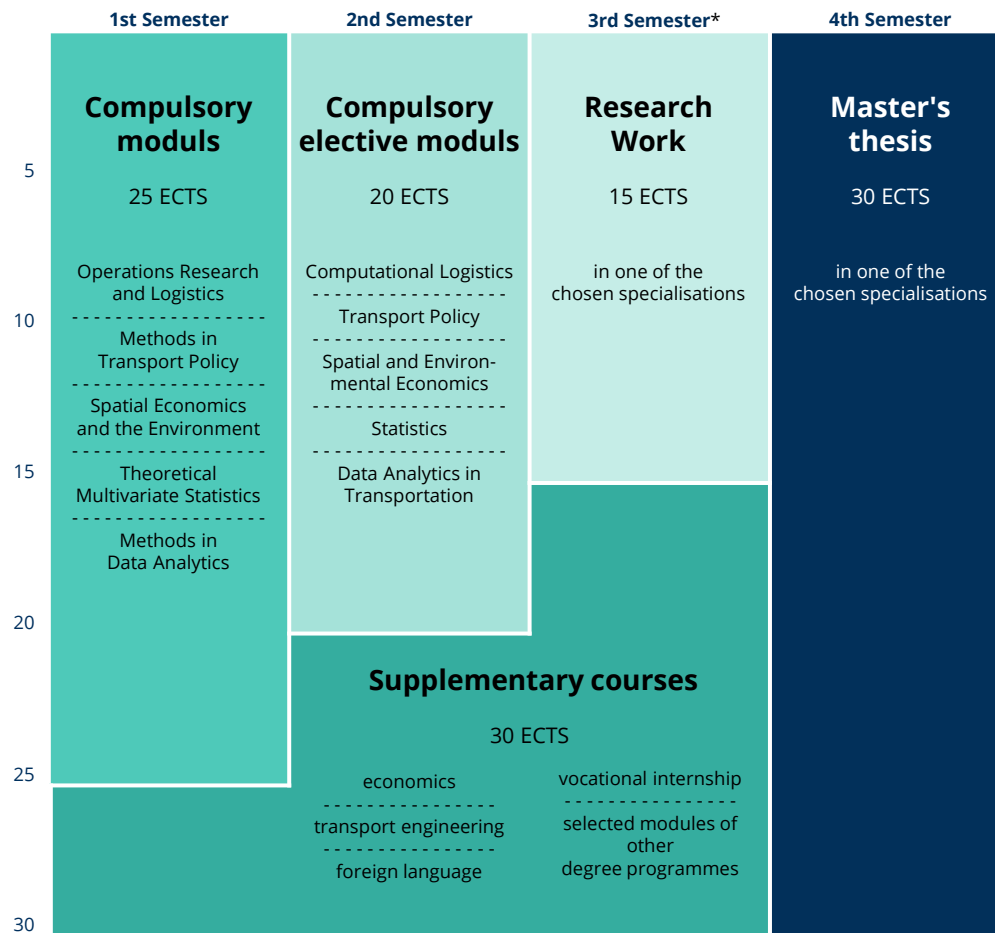
Structure of the Study Program



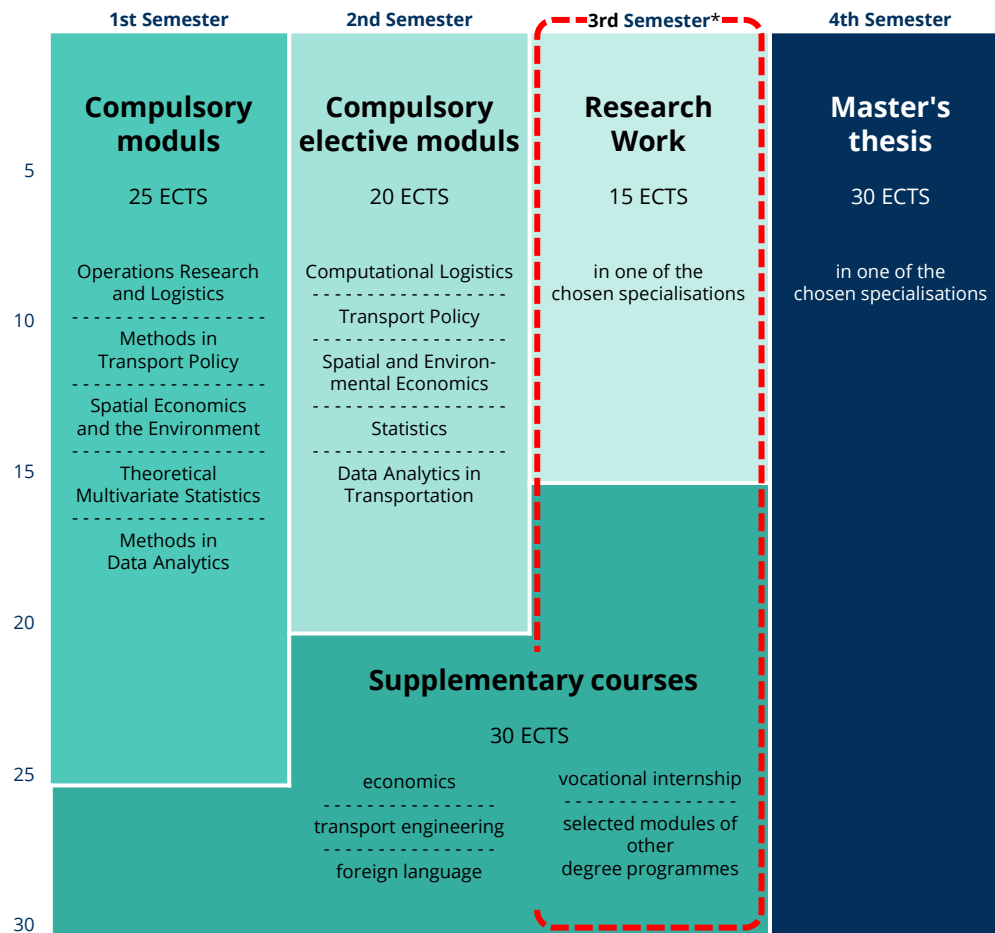
Structure of the Study Program



Structure of the Study Program



Structure of the Study Program



***3rd Semester**
Mobility window
for studying abroad

The Meaning of the Term „Module“

Content of a module

Module

Lecture

Exercise / Tutorial

Practical course

Lectur 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.

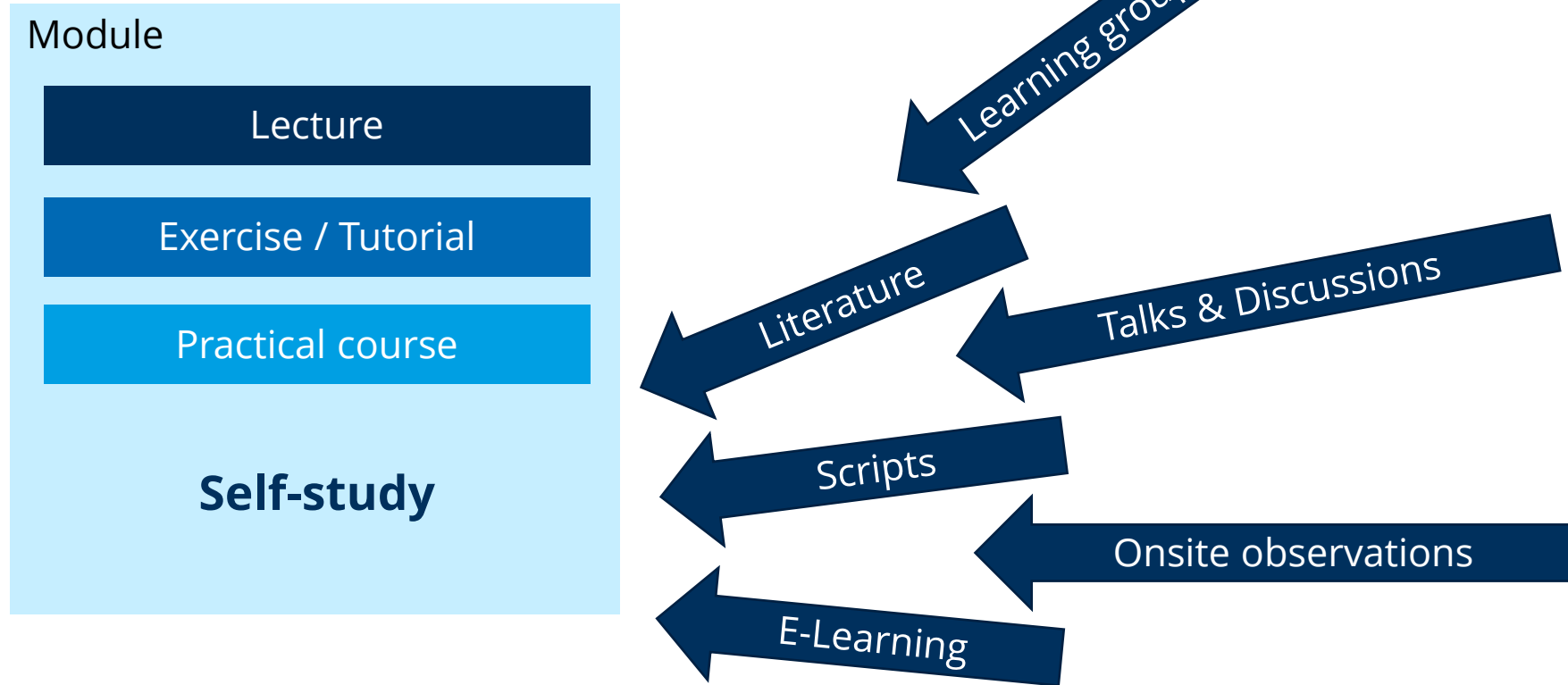
- Prepare and use!
- Ask questions and work together!

Practical application of knowledge.

- Prepare internships!
- Ask questions and work together!

The Meaning of the Term „Module“

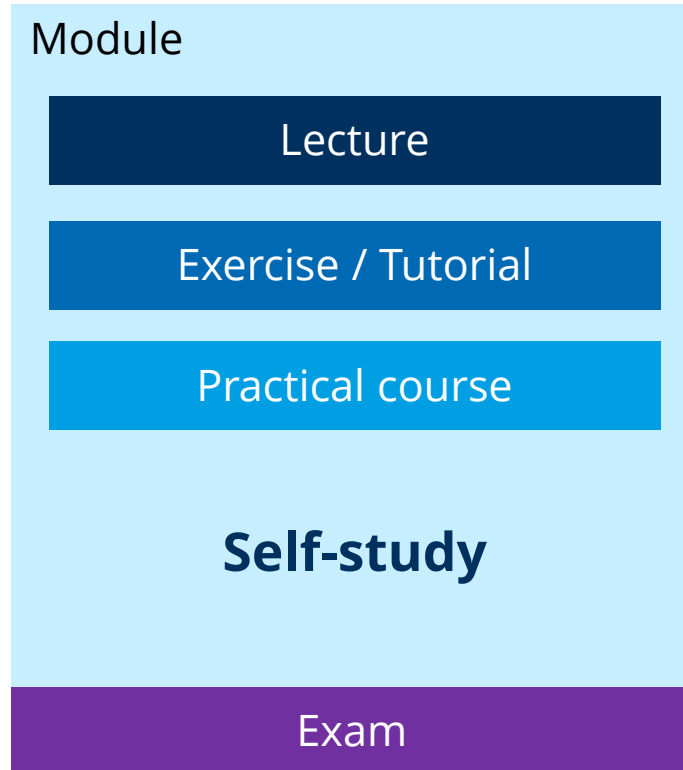
Content of a module



Learning continuously!

The Meaning of the Term „Module“

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>

The Module Handbook

Important documents for the study

Examination regulations

- Defines the rules for the examinations and the master thesis

[PDF](#)

Study regulations

- describes how the study program is organized

[PDF](#)

Module descriptions

- Gives detailed information about all individual modules

[PDF](#)

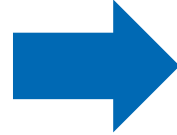


- Goals and contents
- Form of teaching and examination
- Time required
- Contact

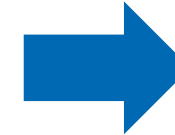
Number of module	Name of module	Lecturer
VW-TEc-MA-PFL 10	Operations Research and Logistics	Prof. Jörn Schönberger (joern.schoenberger@tu-dresden.de)
Qualification aim	The students know a variety of methods and models that can be used to solve diverse optimization problems. Furthermore, students are able to use optimization software to solve complex problems.	
Content	The content of the module includes the design and planning of transportation networks, transportation planning and program design, basic models of vehicle deployment planning, integrated planning of self-routing and subcontracting, and the design of freight rates.	
Teaching and learning methods	2 SWS lecture, 2 SWS practical and independent study.	
Requirements for participation	Basic undergraduate level knowledge of operations research is presupposed. The following literature is suitable for preparation: Ivanov, D.; Tsipoulanidis, A.; Schönberger, J.: Global Supply Chain and Operations Management - A Decision-Oriented Introduction to the Creation of Value, newest edition.	
Usability	The module is a compulsory module in the master's program Transportation Economics. It provides the prerequisite for the modules Decision Support in Transportation Logistics, Management of Public Transport Systems and Services, and Vocational Internship.	
Requirements for the award of credits	The credit points are awarded when the module examination is passed. The module examination consists of homework and practice assignments in the extent of 75 hours.	
Credit points and grades	5 credit points can be acquired through this module. The module grade corresponds to the grade of the examination performance.	
Frequency of module	The module is offered each academic year in the winter semester.	
Workload	The total workload is 150 hours.	
Duration of the module	The module lasts one semester.	

Schedule and Timetable

Which modules in the semester?
Study schedule

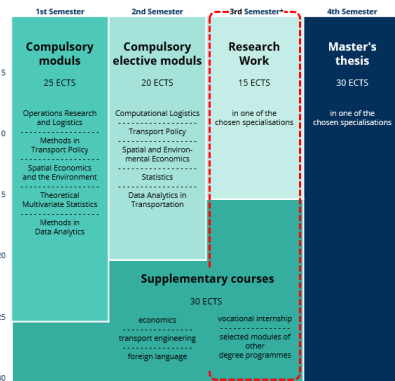


When are the courses?
Timetable



When which topic?
OPAL courses of the teachers

Modulnummer	Modulname	1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester (M)	LP
Pflichtbereich								
VW-WV-F01	Lineare Algebra im wirtschaftswissenschaftlichen Kontext	2/2/0/0/0 PL						5
VW-WV-F02	Analysis im wirtschaftswissenschaftlichen Kontext		2/2/0/0/0 PL					5
VW-WV-F03	Deskriptive Statistik		2/2/0/0/0 PL					5
VW-WV-F04	Induktive Statistik			2/2/0/0/0 PL				5
VW-WV-F05	Programmierung im Verkehrswesen	2/2/0/0/0 PL						5
VW-WV-F06	Statische Programmiersprachen			0/2/0/0/0 PL				5
VW-WV-F11	Grundlagen des Rechnungswesens	3/3/0/0/0 PL						5
VW-WV-F12	Einführung in die Betriebswirtschaftslehre und Organisation	3/1/0/0/1 PL						5
VW-WV-F13	Jahresabschluss, Investition und Finanzierung		3/1/0/0/0 PL					5
VW-WV-F14	Produktion und Logistik			2/2/0/0/0 PL				5
VW-WV-F15	Marketing und Nachhaltige Unternehmensführung				3/0/0/0/0 PL			5
VW-WV-F21	Grundlagen Volk- und Verkehrswirtschaft	4/1/0/0/0 PL						10
VW-WV-F22	Einführung in die Mikroökonomie			2/1/0/0/0 PL				5
VW-WV-F23	Einführung in die Mikroökonomie	2/1/0/0/1 PL						5
VW-WV-F24	Strategie und Wettbewerb	3/1/0/0/1 PL						5
VW-WV-F31	Privatecht im wirtschaftswissenschaftlichen Kontext			2/0/0/0/0 PL				5
VW-WV-F32	Umwelt und Verkehr				2/2/0/0/0 PL			5
www.wv-dt1	Wissenschaftliches Arbeiten und allgemeine				1/0/0/0/0 PL			5



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

WiSe 2023/24 (09.10. - 04.02.24) Stand: 28.08.2023

VvBW1-1-B
VW 1/19/2

ZEIT	MONTAG	DIENSTAG	MITTWOCH	DONNERSTAG	FRIDAY
1 DS				Dober VO Buchführung HSZ/AU/DH	
1 WO				Dober VO Buchführung HSZ/AU/DH	
1 DS		Schönberger VO Programmierung POT/SLH			
1 WO		Schönberger VO Programmierung POT/SLH			
2 DS					
2 WO					
3 DS	Hirtz VO Einführung Verkehrswirtschaft POT/SLH				
1 WO					
3 DS	Hirtz VO Einführung Verkehrswirtschaft POT/SLH				
2 WO					
4 DS		Thum VO Einführung VWL HSZ/AU/DH	Feger VO Mathematik I HSZ/AU/DH		Schäfer VO Kosten- und Leistungsrechnung HSZ/AU/DH
1 WO					
4 DS		Thum VO Einführung VWL HSZ/AU/DH	Feger VO Mathematik I HSZ/AU/DH		Schäfer VO Kosten- und Leistungsrechnung HSZ/AU/DH
2 WO					
5 DS	Blagow VO Organisation HSZ/GE				Schäfer VO Kosten- und Leistungsrechnung HSZ/AU/DH
1 WO					
5 DS	Blagow VO Organisation HSZ/GE				Schäfer VO Kosten- und Leistungsrechnung HSZ/AU/DH
2 WO					
6 DS	Scheffczyk VO Einführung BWL HSZ/AU/DH				Schäfer VO Kosten- und Leistungsrechnung HSZ/AU/DH
1 WO					
6 DS	Scheffczyk VO Einführung BWL HSZ/AU/DH				Schäfer VO Kosten- und Leistungsrechnung HSZ/AU/DH
2 WO					
7 DS		DWIG VF Verkehrsgeschichte POT/SLH			
1 WO		DWIG VF Verkehrsgeschichte POT/SLH			
7 DS		DWIG VF Verkehrsgeschichte POT/SLH			
2 WO					

<https://tu-dresden.de/bu/verkehr/studium/stundenplanung-lehrveranstaltungen/aktuelle-stundneplaene-fuer-das-wintersemester-2023-2024>

Vorlesungen

Als Vorlesungsbegleitendes Manuskript wird die Lektüre des folgenden Buches empfohlen:

- Eckehard Schnieder u. Lars Schnieder (2013) „Verkehrssicherheit – Maße und Modelle, Methoden und“

Das Buch ist für Studierende der TU Dresden über die SLUB kostenlos via Springerlink aus dem Netz der T

Aber: Vorlesungsfolien (online im OPAL) und persönliche Teilnahme sind zum erfolgreichen bestehen der K

Datum	Uhrzeit	Thema
11.04.2022	16:40 Uhr - 18:10 Uhr	Vorlesung 01: Einführung und Einleitung
25.04.2022	16:40 Uhr - 18:10 Uhr	Vorlesung 02: Wahrnehmung der Verkehrssicherheit
02.05.2022	16:40 Uhr - 18:10 Uhr	Vorlesung 03: Begriffsbildung und Modellierung
09.05.2022	16:40 Uhr - 18:10 Uhr	Vorlesung 04: Grundlegende Modellkonzepte
16.05.2022	16:40 Uhr - 18:10 Uhr	Vorlesung 05: Statistiken der Verkehrssicherheit
23.05.2022	16:40 Uhr - 18:10 Uhr	Vorlesung 06: Risikometrie
30.05.2022	16:40 Uhr - 18:10 Uhr	Vorlesung 07: Modelle und Modellierung
13.06.2022	16:40 Uhr - 18:10 Uhr	Vorlesung 08: Methoden und Techniken
20.06.2022	16:40 Uhr - 18:10 Uhr	Vorlesung 09: Implementierungskonzepte
27.06.2022	16:40 Uhr - 18:10 Uhr	Vorlesung 10: Implementierungsbeispiele
04.07.2022	16:40 Uhr - 18:10 Uhr	Vorlesung 11: Technische Entwicklung
11.07.2022	16:40 Uhr - 18:10 Uhr	Vorlesung 12: Organisation

<https://bildungsportal.sachsen.de/opal/auth/repository/catalog/115998721>

Central Information Source: Our Online Study Guide in OPAL

Module Guide Transportation Economics

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

1st semester

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

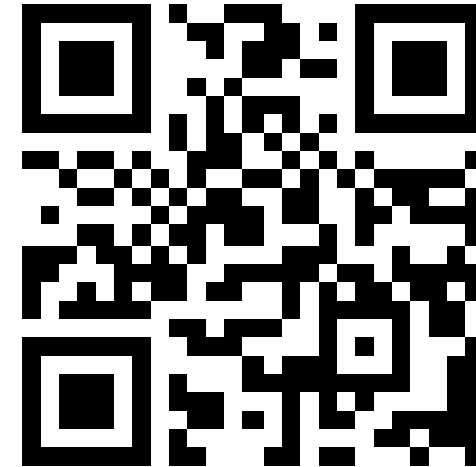
Number	Name	ETCS	Module responsible	Language	Description	Link (OPAL)
VW-TEc-MA-PFL 10	Operations Research and Logistics	5	Schönberger	EN	EN DE	Link
VW-TEc-MA-PFL 20	Methods in Transport Policy	5	Tscharaktschiew	EN	EN DE	Link
VW-TEc-MA-PFL 30	Spatial Economics and the Environment	5	Hirte	EN	EN DE	Link
VW-TEc-MA-PFL 40	Theoretical Multivariate Statistics	5	Okhrin	EN	EN DE	Link
VW-TEc-MA-PFL 50	Methods in Data Analytics	5	Kerschke	EN	EN DE	Link
Modules of the elective compulsory area of the module group Supplements		5	*			

2nd semester

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

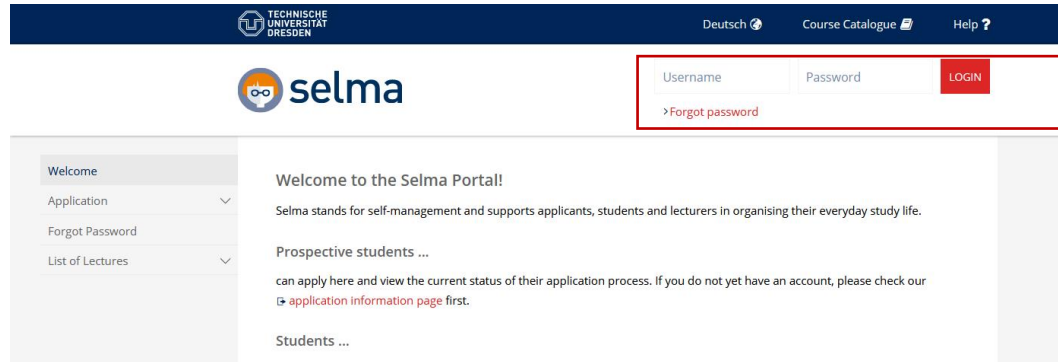
Number	Name	ETCS	Module responsible	Language	Description	Link
First module of the first chosen specialization		5		EN		
Second module of the first chosen specialization		5		EN		
First module of the second chosen specialization		5		EN		

Please register here:



<https://tud.link/qwyl>

SELMA = Our Online Portal for Examination Affairs



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.

SELMA = Our Online Portal for Examination Affairs



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



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

Our Expectations

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

Why? Emails from gmail.* etc. 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 und 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 and 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



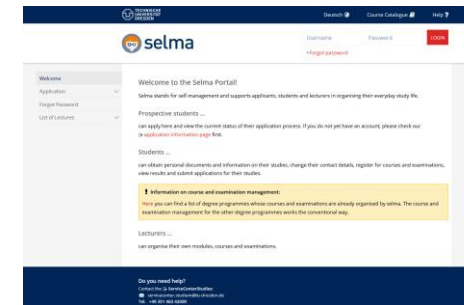
University Library

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!

Examination Office

Mrs. Katrin Lindner
Mrs. Sandy Hildebrandt



The examination office is located in the Hülßebau (HÜL) building, on the 1st floor, room HÜL/N109.

Office hours (on site) for *German-speaking* students:

- Tuesdays 9:00 am – 11:00 am and 1:00 pm – 5:30 pm
- Thursdays 9:00 am – 11:00 am and 1:00 pm – 3:00 pm

Office hours (on site) for *English-speaking* students:

- Thursdays 9:00 am – 10:00 am

Outside of these hours, you should better contact the examination office by email.

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



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



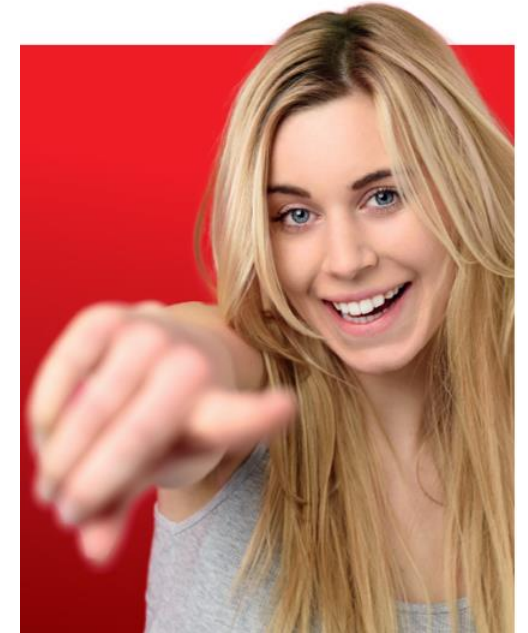
Check

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



Support

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



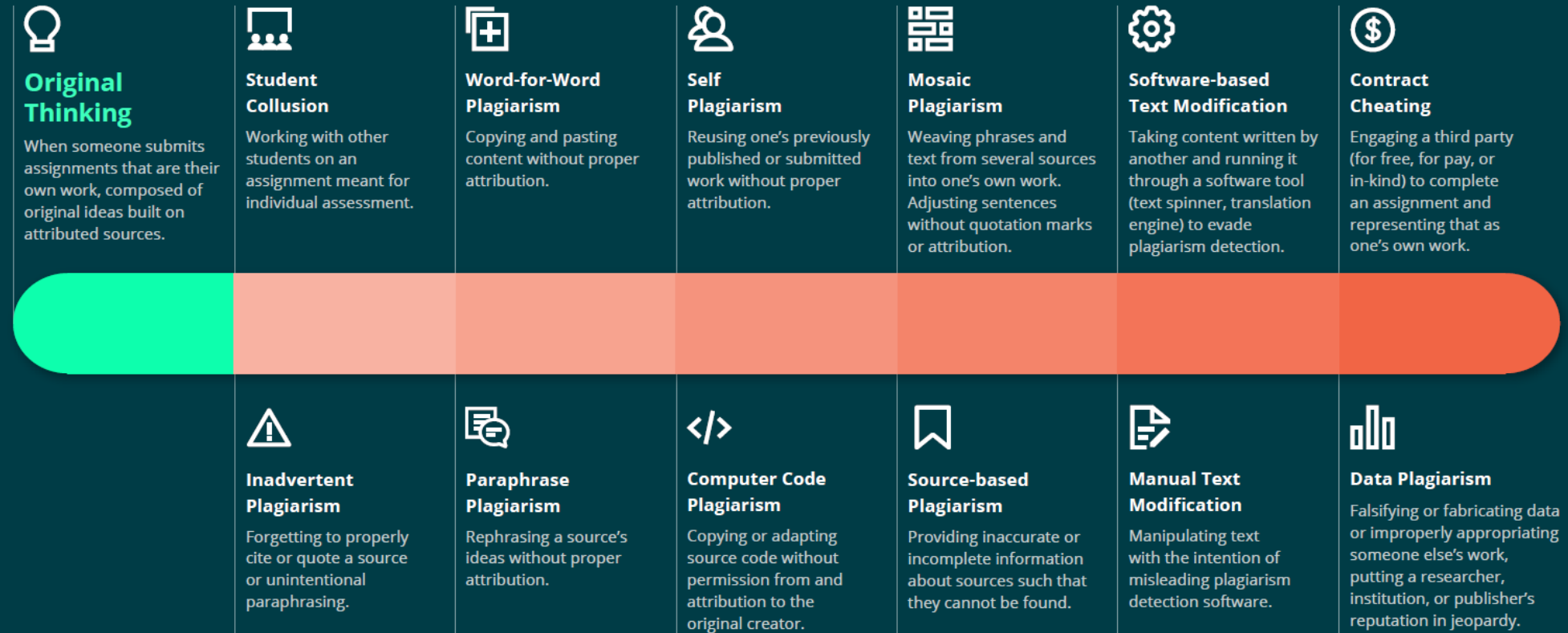
- **"Early warning system" for difficult study paths with individual tips & tricks.**
- **Good service, highly recommended! Registration in Selma Portal required.**
- **Information:** <https://tu-dresden.de/studium/im-studium/beratung-und-service/zentrale-studienberatung/passt>

Good to know!

Hints & Tips

The Plagiarism Spectrum 2.0

The Plagiarism Spectrum 2.0 identifies twelve types of unoriginal work. Familiarity with traditional forms of plagiarism and emerging trends helps students develop original thinking skills and do their best original work.



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?
 - ...

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

- **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!