

M.Sc. Economics Program

Welcome Intake 2024

Albert-Ludwigs-Universität Freiburg



**UNI
FREIBURG**

11.10.2024

Timo Epting

Coordinator of the M.Sc. Economics Program

20 years of M. Sc. Economics Program in English



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Graduation 2010



*Graduation
2018*

Graduation 2019



Structure of the program



**1st
year**

Mandatory courses (46 ECTS)

**Economics
& Politics
50 ECTS**

**Finance
50 ECTS**

**Digital
Markets
(ISNE)
50 ECTS**

**2nd
year**

Master Thesis 24 ECTS

Structure of the program



Mandatory courses

Advanced Microeconomics

Advanced Macroeconomics

Intermediate Econometrics

Economic Policy and Public Choice

Computational Economics

A silhouette of a person with long curly hair, seen from behind, writing on a whiteboard. The whiteboard contains mathematical equations.

$$e(u) = 0$$

$$= -\frac{1}{e} \frac{\partial p}{\partial e}$$

$$\frac{\partial}{\partial e} (p)$$



Advanced Microeconomics I (6 ECTS)

Advanced Microeconomics II (6 ECTS)

Advanced Macroeconomics I (6 ECTS)

Advanced Macroeconomics II (6 ECTS)

Economic Policy and Public Choice (6 ECTS)



Computational Economics (6 ECTS)

Intermediate Econometrics (10 ECTS)

Profile – Economics and Politics

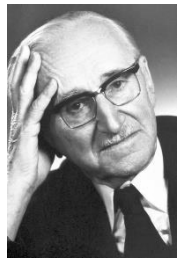


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1st Profile: Economics and Politics



Topics: Economic policy, regulation, development, labor market, trade, migration, discrimination, terrorism, corruption...

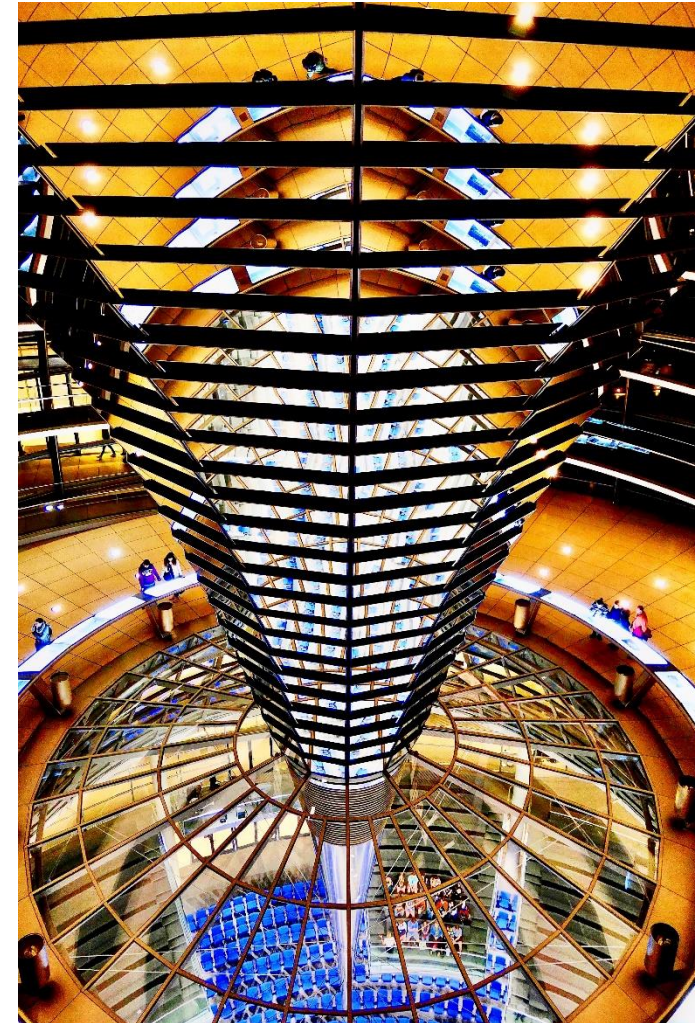


Hayek, the Freiburg School of Economics - and Ordoliberalism:

- Key contribution to post-WW2 German economic miracle
- Influential during the Eurocrisis



Career: Economic policy advisors, cooperation agencies, international organizations, Central Banks



2nd Profile: Finance



Topics:

- **Quantitative finance**
- Futures and options
- Interest rate theory
- Study evolution and forecast of risk premia, stock prices, interest spreads,...



Career:

- Financial institutions
- Stock market, investment banks
- Design of financial instruments





3rd Profile: Digital Markets



Topics:

- Business Analytics
- Electronic Markets
- Digital Markets



Career:

- Business analytics
- Big data & AI
- Policy advising and consultancy

```
stream>
using namespace std;
#include "Complex.h"
4
5 Complex Complex::add(const Complex &c) const {
6     Complex result;
7     result.real = real + c.real;
8     result.imag = imag + c.imag;
9     return result;
10 }
11 Complex Complex::sub(const Complex &c) const {
12     Complex result;
13     result.real = real - c.real;
14     result.imag = imag - c.imag;
15     return result;
16 }
17 Complex Complex::mul(const Complex &c) const {
18     Complex result;
19     result.real = real * c.real - imag * c.imag;
20     result.imag = imag * c.real + real * c.imag;
21     return result;
22 }
23 Complex Complex::div(const Complex &c) const {
24     double t = c.real * c.real + c.imag * c.imag;
25     Complex result;
26     result.real = (real * c.real + imag * c.imag) / t;
27     result.imag = (imag * c.real - real * c.imag) / t;
28     return result;
29 }
30
31 void Complex::print() const {
32     cout << "(" << real << ", " << imag << ")\n";
33 }
34 }
```

What else can you learn?



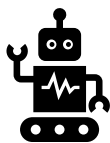
Computer skills:



Computational Economics, Python



Statistics software: Stata, R

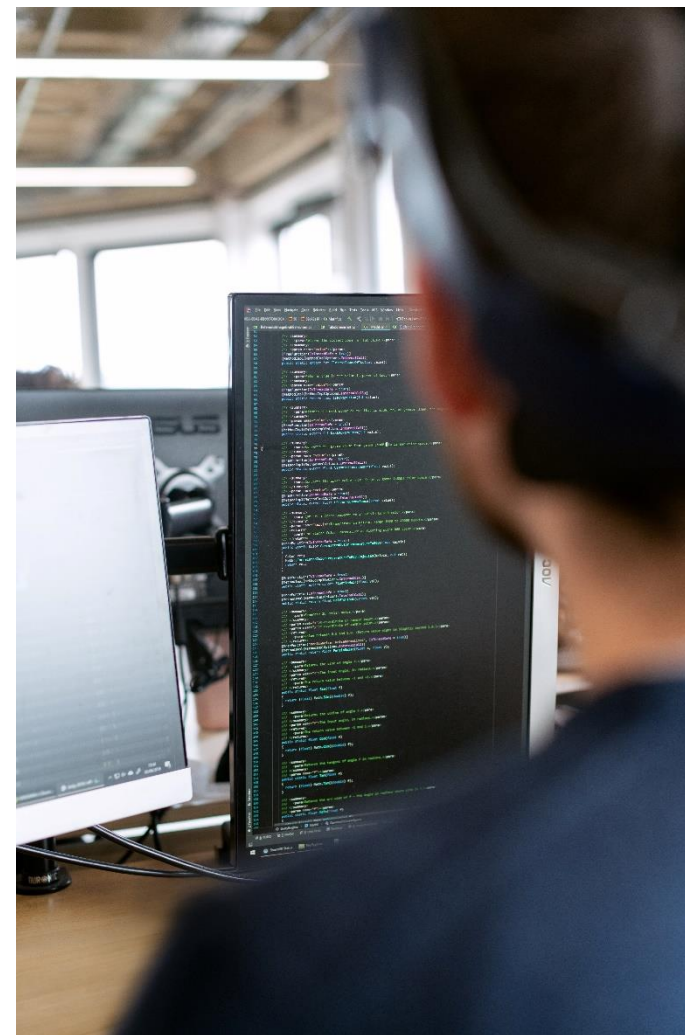


Machine learning, AI algorithms



Many applied courses using software

German!



A gateway to your future



Gateway to the European job market



Our alumni can be found mostly in...

- Germany: Frankfurt, Munich, Berlin, ...
- Switzerland: Basel, Zurich, ...
- Luxemburg
- Austria: Vienna



...working at companies such as:

- Mercedes-Benz, Amazon, Deutsche Bank, UBS, Roche, Allianz, Nestlé,...
- McKinsey, BCG, PWC, KPMG



A gate to your future



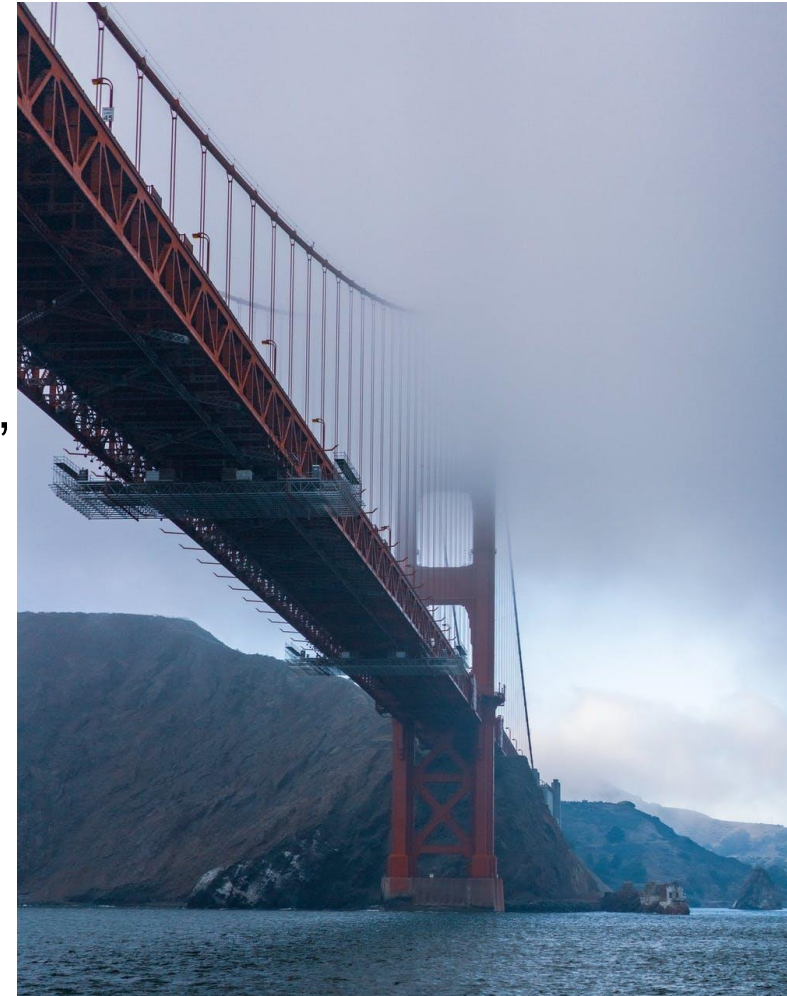
Gateway to the international job market

- Placement at international organizations:
 - Cooperation agencies: GIZ, World Bank,
 - International organizations: UN, EU
 - Multinationals
- Singapore, Washington, San Francisco, NYC, Chicago, London,...



For top students: gateway to research

- Step towards PhD in Freiburg and other prestigious Universities
- Active research community in Freiburg



What is special in Freiburg?



BURG



What is special in Freiburg?



The students:

- Interdisciplinary and international
 - Great international experience
 - Different backgrounds: stimulating environment
- Strong student community



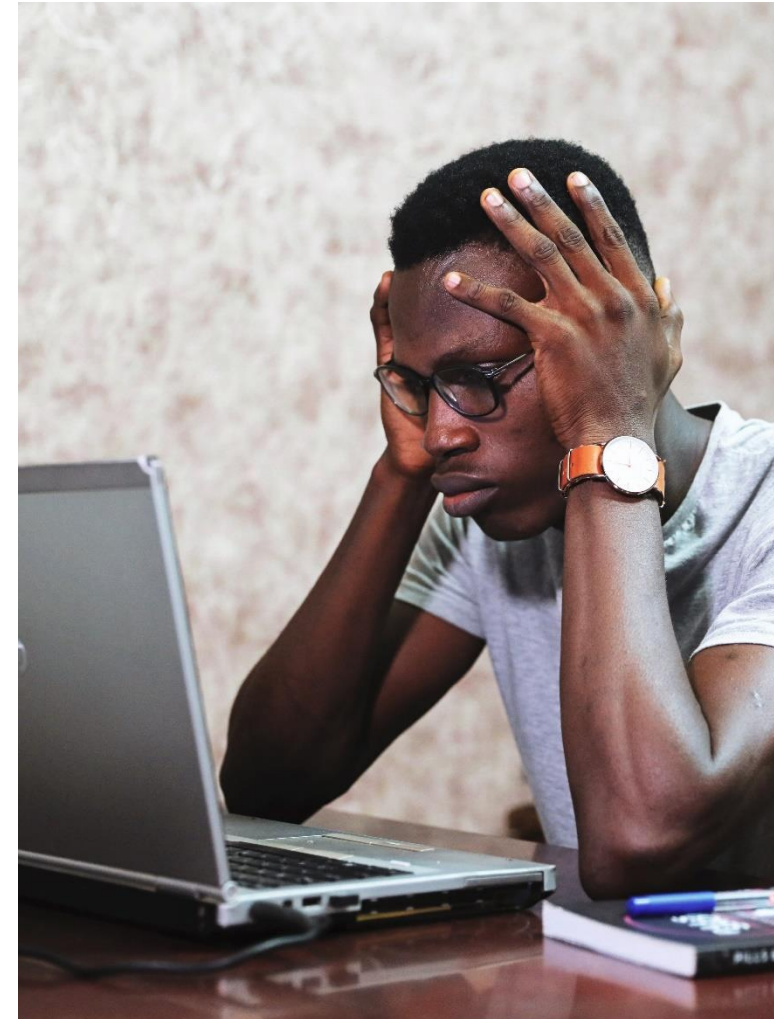
Challenges ahead



First challenges



- Visa application
- Finding accommodation
- Funding - Finding a job
- *Die deutsche Sprache*
- Uni-account?
- How to register for the courses?
- Will there be online teaching?
- Which courses should I choose?
- What is this with the specialization?





Everything will be ok



- Eventually everyone finds accommodation and a student job.



- You will speak German
- You will receive help
- Keep a “challenge mindset”

Practical issues



- Where to find information about the courses?
- Which courses should I chose?
- How can I follow the courses?
- What if I do not have a Uni-Account?



HISinOne Class Registration



ILIAS Course Registration



HISinOne Exam Registration

- Course catalog winter semester 2021/2022

[Semester Dates and Teaching Periods](#)

+ Theologische Fakultät

+ Rechtswissenschaftliche Fakultät

- **Wirtschafts- und Verhaltenswissenschaftliche Fakultät**

+ Institut für Erziehungswissenschaft

+ Institut für Psychologie

+ Institut für Sport und Sportwissenschaft

+ Abteilung Kognitionswissenschaft (Institut für Psychologie)

- **Institut für Wirtschaftswissenschaften**

+ Grundständige Studiengänge

- Masterstudiengänge

Falls Module keine Veranstaltungen enthalten, werden sie in diesem Semester nicht angeboten.

+ M.Sc. Betriebswirtschaftslehre (Public and Non-Profit Management)

+ M.Sc. Volkswirtschaftslehre

+ **M.Sc. Economics**

+ M.Ed. Wirtschaftswissenschaft

+ Veranstaltungen für PH-Studierende





- M.Sc. Economics
 - Economics, Economics and Politics, M.Sc., PO 2011
 - Mandatory Courses
 - Economic Theory and Policy
 - **Advanced Microeconomics I**
 - + 03LE47V-ID126753 - Advanced Microeconomics I - lecture course
 - + 03LE47Ü-ID126753 - Advanced Microeconomics I - exercise course
 - + 03LE47T-ID126753 - Advanced Microeconomics I (Additional Tutorial) - course
 - + Advanced Macroeconomics I
 - + Economic Policy and Public Choice
 - + Quantitative Methods
 - + Elective Courses, Economics and Politics - intern
 - + Elective Courses, Economics and Politics - extern
 - + Economics, Finance, M.Sc., PO 2011
 - + Economics, Information Systems and Network Economics, M.Sc., PO 2011

- Once you register for a course in HISinOne...
 - You will be automatically registered in ILIAS
- Available here: <https://ilias.uni-freiburg.de/login.php?lang=en>
- Here you will find all course contents
 - Lecture slides, Videos, Problem sets, Forums for questions
- Most likely it will also be your main point of contact with the professors and tutors.
- If it does not work, contact the instructor

- *Q: If I register for a course, do I need to register for the examination?*
 - NO!
- *Q: Can I register for the exam of a course I did not register for?*
 - YES!
- **Registration for the exams** takes place in December/January
 - Also in HISinOne
 - **THIS IS THE MOST IMPORTANT DECISION!**
 - More on this in the next sessions

Please be aware



- Only one examination per course at the end of the semester
 - No mid-term exams
 - No assignments
- Lectures every year, exams every month
- Attendance to lectures is not compulsory
 - Need to organize yourself
 - Need self-discipline
 - Need to learn how to find the resources that you need
 - Need to understand the rules

Where to find information?



- First stop: MEP Website <https://master.econ.uni-freiburg.de/>

The screenshot shows the homepage of the M.Sc. Economics program website. The header features the UNI FREIBURG logo and the text 'M.Sc. Economics Albert-Ludwigs-Universität Freiburg'. Below the header, a breadcrumb trail indicates 'You are here: Home'. The main content area is titled 'M.Sc. Economics' and contains six tiles with images and text:

- Freiburg, the City**: Get to know the beautiful city of Freiburg
- Application**: Information for those interested in applying to the program
- Students**: Information for current students
- The Program**: Information for those interested in the program
- Alumni**: Information about and for our alumni
- Contact**: Contact the Coordinator of the program

On the left side, there is a navigation menu with options: Search Site, Home, Quick Access, Freiburg, the City, Application, Students, The Program, Alumni, and Contact. At the bottom, there is a footer with links for Site Map, Accessibility, Contact, and Legal Information, along with a copyright notice for 2021 Universität Freiburg.

Section “Students”





M.Sc. Economics

Albert-Ludwigs-Universität Freiburg

You are here: Home > Students

Students



[Courses](#)



[Procedures](#)



[Our Students](#)



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News

Poster pictures of the intake 2019 published!

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- Where do I find the courses?

Courses

General information about courses ▾

[Overview of all the Chairs at the Department of Economics](#) ↗

[Lecture Catalogue \(Vorlesungsverzeichnis, HISinOne\)](#) ↗

 [Module Handbook M.Sc. Economics \(updated on 02.10.2021\)](#)

Courses

General information about courses ◀

Courses WS 2021/22 ▾

All the Chairs have announced the courses offered in WS 2021/22.

Here you find an overview (version 02.10.2021) [Excel](#)  [PDF](#)

Course Catalogue M.Sc. Economics

All Profiles

Type	Course & Link to course description	Chair	Instructor	ECTS	E&P	Finance	DM / ISNE	Registration
L	Advanced Microeconomics I	LS Gaudin	Schmitt	6	C	C	C	During exam registration period
L	Advanced Macroeconomics I	LS Hillebrand	Hillebrand	6	C	C	C	During exam registration period
L	Economic Policy and Public Choice	LS Neumärker	Neumärker	6	C	C	C	During exam registration period
L	Intermediate Econometrics	LS Halbleib	Halbleib	10	C	C	C	During exam registration period
L	Economics of Social Justice	LS Neumärker	Franke	4 or 6	I	E	E	During exam registration period
L/T	The Economics of Terror	LS Schulze	Schulze	4 or 6	I	E	E	During exam registration period
L	Introduction to Empirical Economics Using Stata	LS Schulze	Zakharov	6	I	E	E	During exam registration period
L	Causal Analysis in Labor Economics using R	LS Schulze	Spermann	4	I	I	I	During exam registration period
L	Financial Time Series Analysis	LS Halbleib	Kazak	6	I	I	I	During exam registration period
L	Mathematical Methods for Economics and Finance	LS Lütkebohmert-Holz	Frhr. v. Hammerstein	6	I	I	I	During exam registration period
L	Python Course	LS Lütkebohmert-Holz	Rockel	6	I	I	I	During exam registration period
L	Futures and Options	LS Lütkebohmert-Holz	Lütkebohmert-Holz	6	E	I	E	During exam registration period
S	Main Seminar: Operations Management	LS Neumann	Lutz	6	E	E	I	Deadline: 11.10.2024
S	Seminar: Advanced Data Science	LS Neumann	Lutz	6	E	E	I	Deadline: 11.10.2024
S	Seminar: Climate Action	LS Neumann	Wussow	6	E	E	I	Deadline: 11.10.2024
S	Determinants and Implications of Pro-Social Behavior	LS Feld	Kasper, Burgstaller	6	I	I	I	Deadline: 01.09.2024
S	Empirical Research Seminar in Institutional Economic: Reproducible research pipelines with R and Quarto	LS Krieger	Klotzbücher	6	I	E	E	Deadline: 01.10.2024
S	The Political Economy of Migration	LS Schulze	Schulze, Rey	4 or 6	I	E	E	Deadline: 06.10.2024
S	Selected Topics in Industrial Organization and Competition Economics	LS Gaudin	To be announced	6	I	I	I	Deadline: 06.10.2024
S	Topics in Macroeconomics II: Macroeconomic Models of Asset Pricing	LS Hillebrand	To be announced	6	I	I	I	Deadline: 09.10.2024
S	Seminar in Empirical Finance	LS Halbleib	Halbleib, Pohlmeier	6	E	I	I	Deadline: 26.09.2024

Type: L=Lecture; S=Seminar; T=Topics Course; C=Compulsory; I = Internal Elective; E= External Elective



- How many courses should I choose?
 - Suggested 30 ECTS per semester
 - Each course has typically 6 or 4 ECTS
 - The first semester requires adaptation, do not be too ambitious!



You have to complete

30 ECTS-points

in your first year.

Strong Background in Math and Economics



First Semester

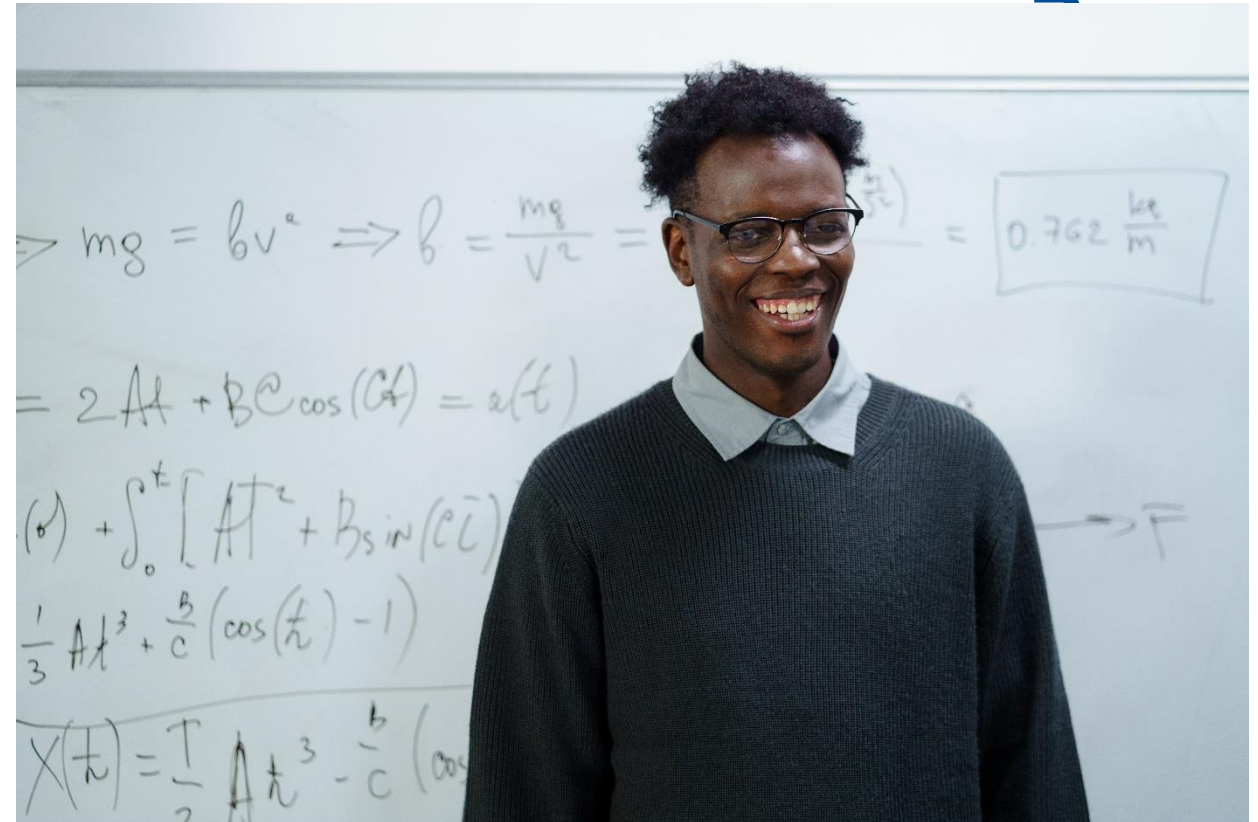
Advanced Microeconomics 1

Advanced Macroeconomics 1

Economic Policy and Public Choice

Intermediate Econometrics

- Compulsory courses based on maths:
 - Adv. Microeconomics I and II
 - Adv. Macroeconomics I and II
 - Intermediate Econometrics
 - Some elective courses as well
- Allows for clear and logical statements
 - Scientific approach to economics
- Training in quantitative skills
 - Good for your career



Close your gaps



- Close your gaps:
 - Identify your gaps in knowledge
 - Find resources to help you close these gaps
 - What to ask to your instructors?
 - Tutorials? Additional tutorials?
 - Do not be afraid to ask
 - Online courses?
 - Assume you will need more time to close these gaps

Form study groups



Keep studying



Have some fun as well

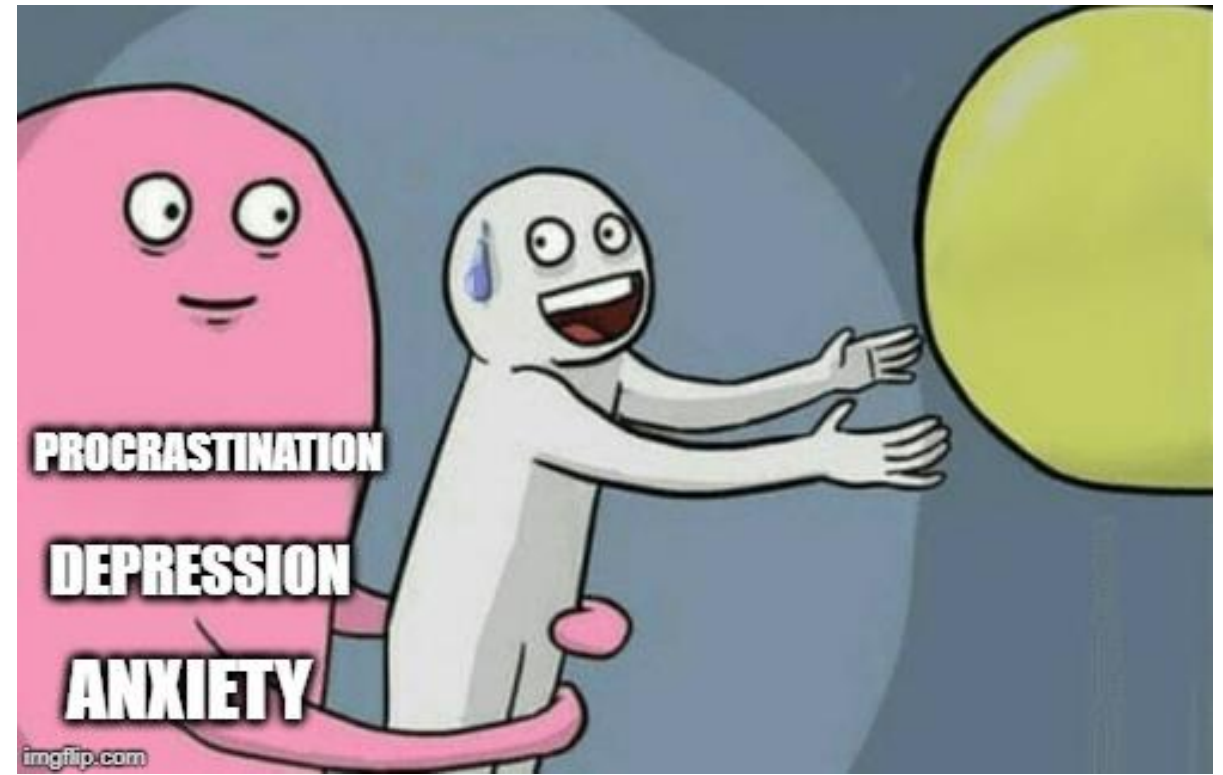
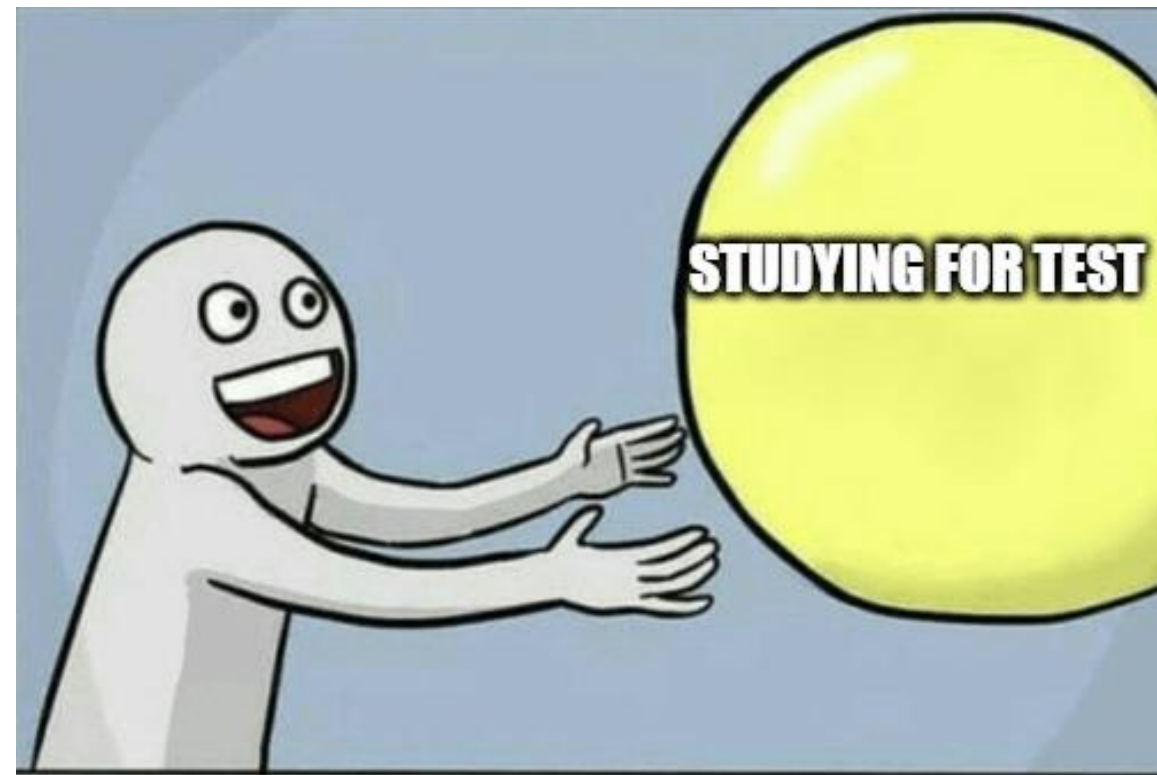


Come to see me



- Coordinator: Timo Epting
 - Rempartstraße, 16
 - Office 01-014
- Office hours:
 - Better schedule per e-mail
 - Before asking something please check the website
 - Official documents must be requested per e-mail
 - Come to complain, to ask for advice, to chat,...

Some struggle is normal, but not always



When things get dark...

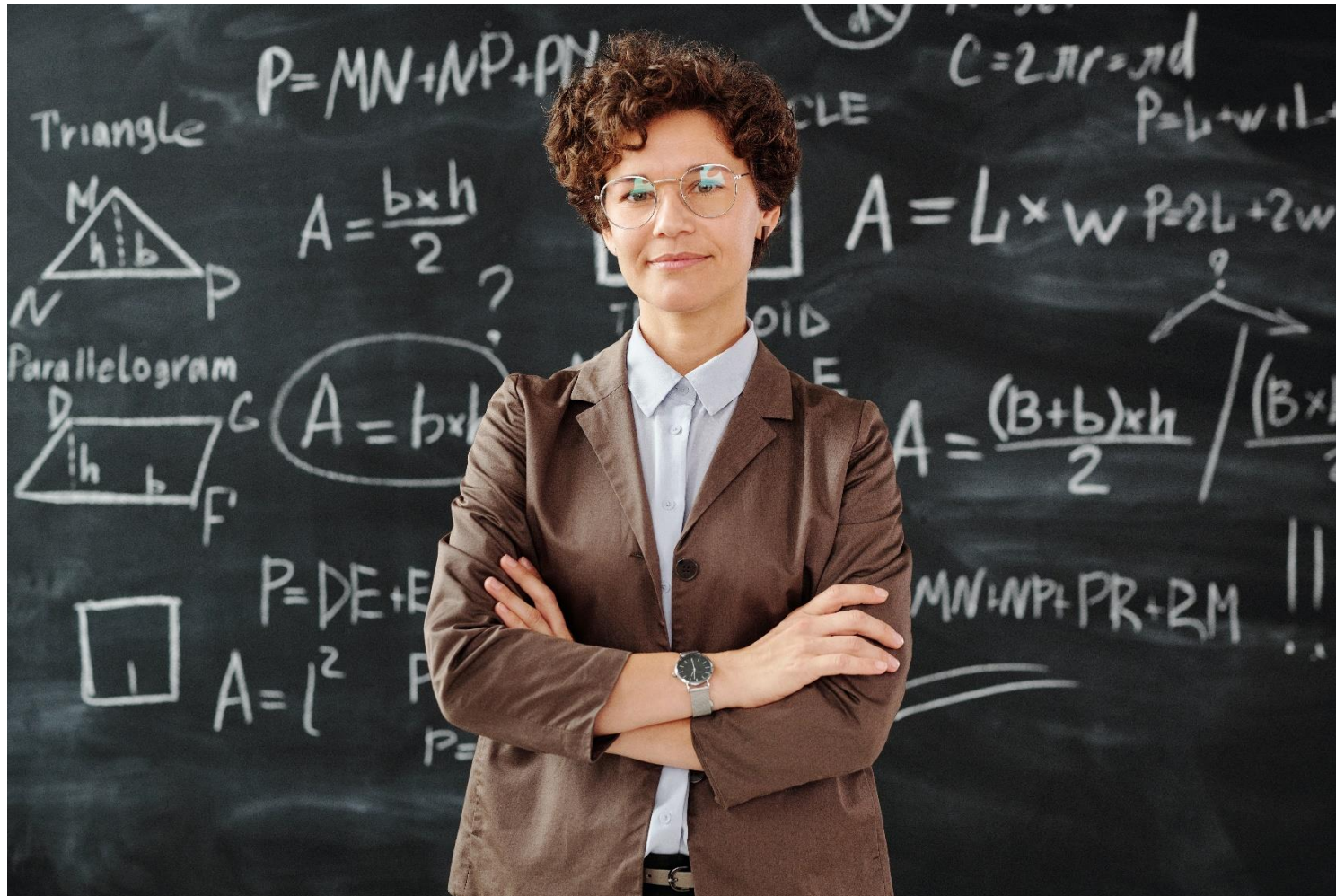


- If you are really struggling please come to see me
- **Come Anytime!**
No office hours in these cases
- There are many ways to help you

Collective achievement!



You will master maths!



You will have a great career!



**UNI
FREIBURG**



20 years of M. Sc. Economics Program in English



BURG



See you around!