

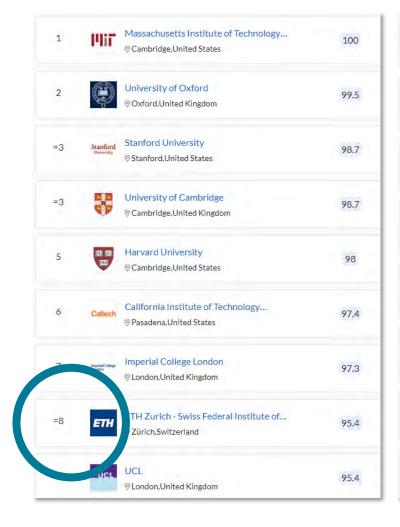


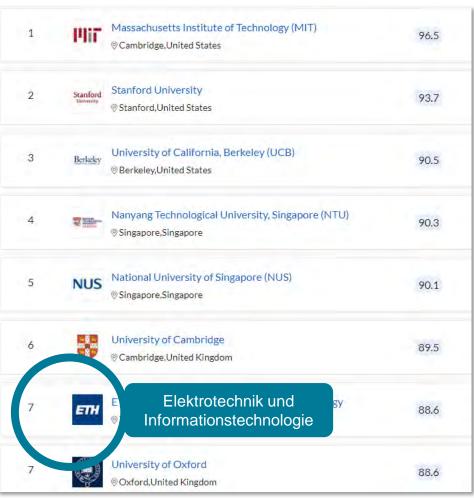
Mission





Ranking

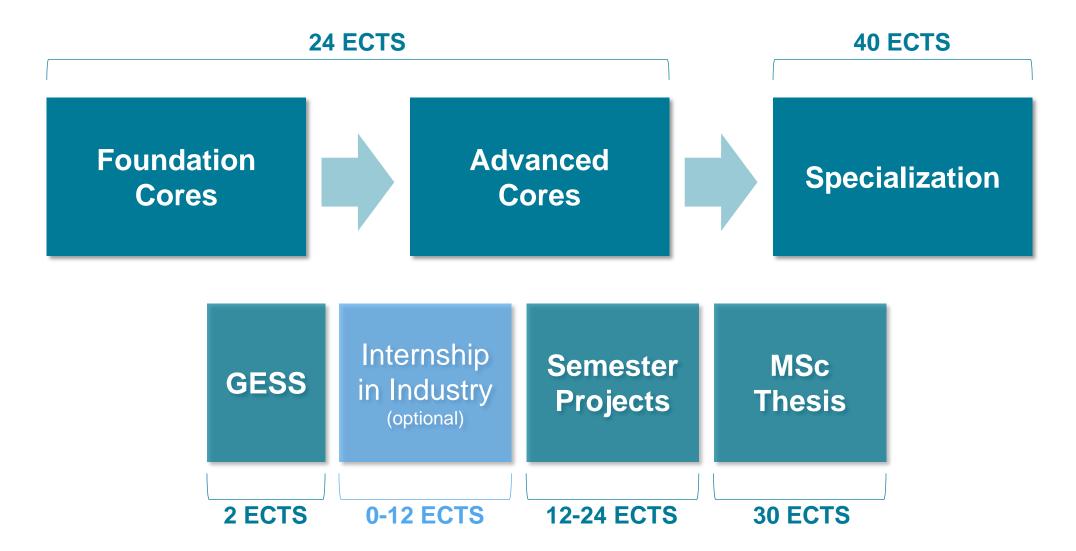




QS World Ranking 2022

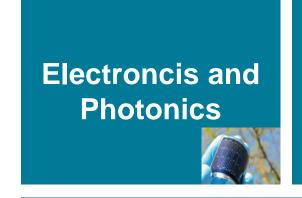


Curriculum – Foundation, Advanced, Specialization





Specializations



Communications



Computers and Networks



Systems and Control



Energy and Power Electronics

Signal Processing and Machine Learning



Professors







Prof. Jürgen Biela



Prof. Helmut Bölcskei



Prof. Colombo Bolognesi



Prof. Florian Dörfler



Prof. Christian M. Franck



Prof. Benjamin Grewe



Prof. Ulrike Grossner



Prof. Richard Hahnloser



Prof. Qiuting Huang



Prof. Gabriela Hug



Prof. Giacomo Indiveri



Prof. Taekwang Jang



Prof. Johann W. Kolar



Prof. Ender Konukoglu



Prof. Sebastian Kozerke



Prof. Amos Lapidoth



Prof. Jürg Leuthold



Prof. Hans-Andrea Loeliger



Prof. Mathieu Luisier



Prof. John Lygeros



Prof. Onur Mutul



Prof. Lukas Novotny



Prof. Klaas P. Prüssmann



Prof. Daniel Razansky



Prof. Kaveh Razavi



Prof. Metin Sitti



Prof. Marco Stampanoni



Prof. Klaas Enno Stephan



Prof. Christoph Studer



Prof. Lothar Thiele



Prof. Luc Van Gool



Prof. Laurent Vanbever



Prof. János Vörös



Prof. Roger P. Wattenhofer



Prof. Armin Wittneben



Prof. Vanessa C. Wood



Prof. Mehmet Fatih Yanik



Prof. Maksym Yarema



6

Prof. Fisher Yu



D-ITET Welcome Day 20.09.2021

Numbers

BSc	ETH D-ITET	10'355 834	• 40 profe
MSc	D-ITET Electrical Engineering MSc Biomedical Engineering MSc Energy Science & Technology MSc Quantum Engineering MSc Neural Systems & Comp. MSc (UZH)	7'790 815 457 132 105 61 <i>60</i>	50 other450 PhDStudy acAMIV
Exchange	ETH D-ITET	317 38	• IT suppo

- essors
- lecturers
- students
- dministration

ort



Curriculum – Semester Project and Master Thesis

- Check with your tutor about sensible course selections
- For new students, semester projects are a great start
- For those interested in research, more than one semester project is possible
- Pick diverse semester projects and master thesis to gain research insights



Have a good time!





Contacts / Information for Students of the MSc Electrical Engineering and Information Technology

September 20, 2021 Reto Kreuzer, Coordinator of Studies / Student Advisor, D-ITET

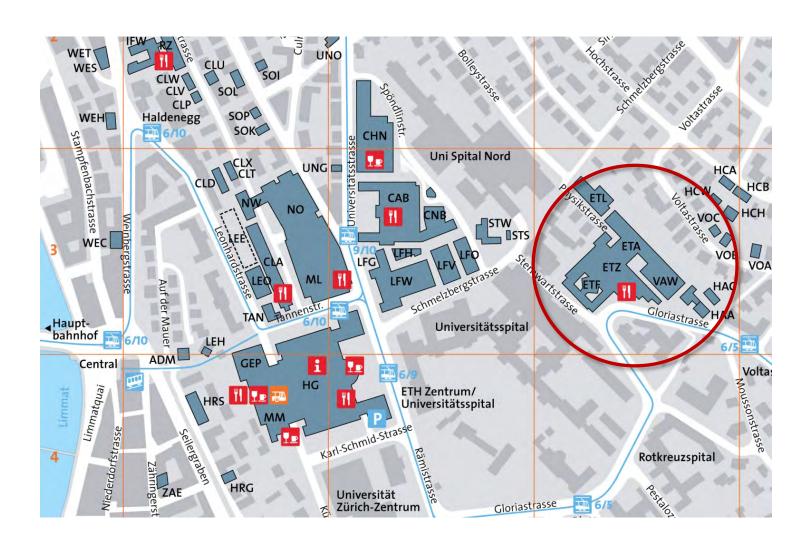
Agenda

- 1. Finding the right contact
- 2. Courses, exams and credits
- 3. Useful information





Map of ETH and D-ITET





Where do I find information on the web?

General Information on studies at ETH

ETH students' website: www.ethz.ch/students

Information on the Master in Electrical Engineering

D-ITET website: <u>www.ee.ethz.ch</u> > Studies > Master's Programmes > MSc EEIT

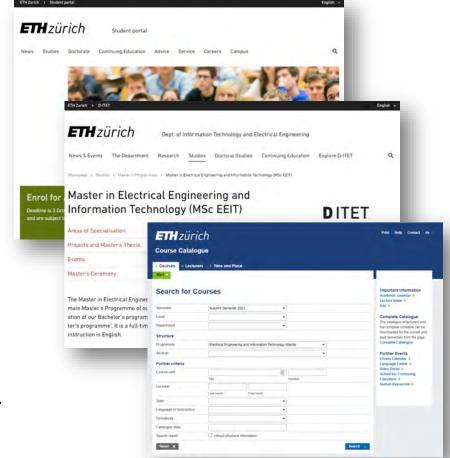
Course catalogue

Online: www.vvz.ethz.ch > Programme > Electrical Engineering and Information Technology Master

Messages from ETH and the Department

Email on your ETH-Address (<u>username@student.ethz.ch</u>)

→ check your mailbox regularly and read the messages carefully!

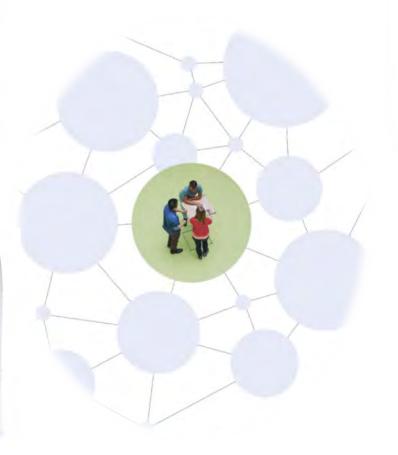


Your most important contacts at ETH and the D-ITET

ETH / Rectorate

Registrar's Office (HG F 19)

General administrative questions e.g. matriculation, address changes, residence etc.



D-ITET / central services

Student Admin (ETZ H 85)

Study specific admin. questions e.g. grades/transcripts, waivers, counselling

Students' association

AMIV (CAB E 37)

Social contacts, networking



Course specific questions, study plan



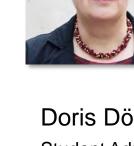
Your contacts at the D-ITET



Prof. Sebastian Kozerke
Director of studies D-ITET



Reto Kreuzer
Head of
Student Administration /
Student advisor



Doris Döbeli
Student Administration



Audrey Djouadi
Course scheduling /
Student exchange advisor

ETZ F 94 +41 44 632 53 25 kozerke@biomed.ee.ethz.ch ETZ H 83 +41 44 632 08 15 info@ee.ethz.ch ETZ H 85 +41 44 632 50 03 info@ee.ethz.ch ETZ H 87 +41 44 632 89 57 info@ee.ethz.ch



The Master's Degree Program (Regulations 2018)

• Courses (3 semesters, between 66 and 78 credits)

See the <u>course catalogue</u> for the list courses. Each student must find a <u>tutor</u> by him/herself and submit a tutor agreement in myStudies no later than **four weeks after the beginning of the first semester**. Only core, specialization and elective courses go on the learning agreement.

- 1-2 semester projects (14 weeks, 12 credits per project)
 14 weeks half-time during the semester or 7 weeks full-time outside the semester.
 Project offerings are published on the websites of the individual labs.
- Internship in Industry (3-6 months, 12 credits)
 Not mandatory. In a company outside ETH Zurich.
- Master Project (6 months, 30 credits)
 After all else is done, the masterpiece of your studies at ETH.

Core & Specialization Courses (24 + 40 credits)

- The <u>tutor</u> helps with the selection of courses. These courses permit a specialization in one our teaching areas (Communications, Computers & Networks, Electronics & Photonics, Energy & Power Electronics, Signal Processing & Machine Learning and Systems & Control)
- Core courses (24 credits) must be from our list of core courses but can be selected across specializations in agreement with the tutor.
- Specialization courses can be selected freely, subject to approval by the tutor. See the
 course catalog for the list of courses.
- The tutor's area of research will influence the choice of courses he/she is willing to accept, choose your tutor accordingly.

Electives, Internship or Project?

- **Elective courses** (12 credits) are meant to add e.g., management, economics or law components to the curriculum. A list of recommended courses is available in the course catalogue. However, the choice is not limited to this, and even more specialization or core courses may be chosen instead. Elective courses are subject to the agreement of the tutor.
- Students can choose a **second semester project** (12 credits) instead of elective courses, we suggest to discuss this with the tutor even though the choice is not subject to the tutor's agreement he/she may help deciding what the best curriculum is for you.
- Another alternative is an internship in industry (12 credits) that is carried out in a company outside ETH and usually lasts between 3 and 6 months. An extra semester must therefore be counted for an internship. Attention, since the internship is not mandatory non-EU/Swiss citizens may encounter problems getting a work permit.

Not part of the tutor agreement: Science in Perspective (D-GESS)

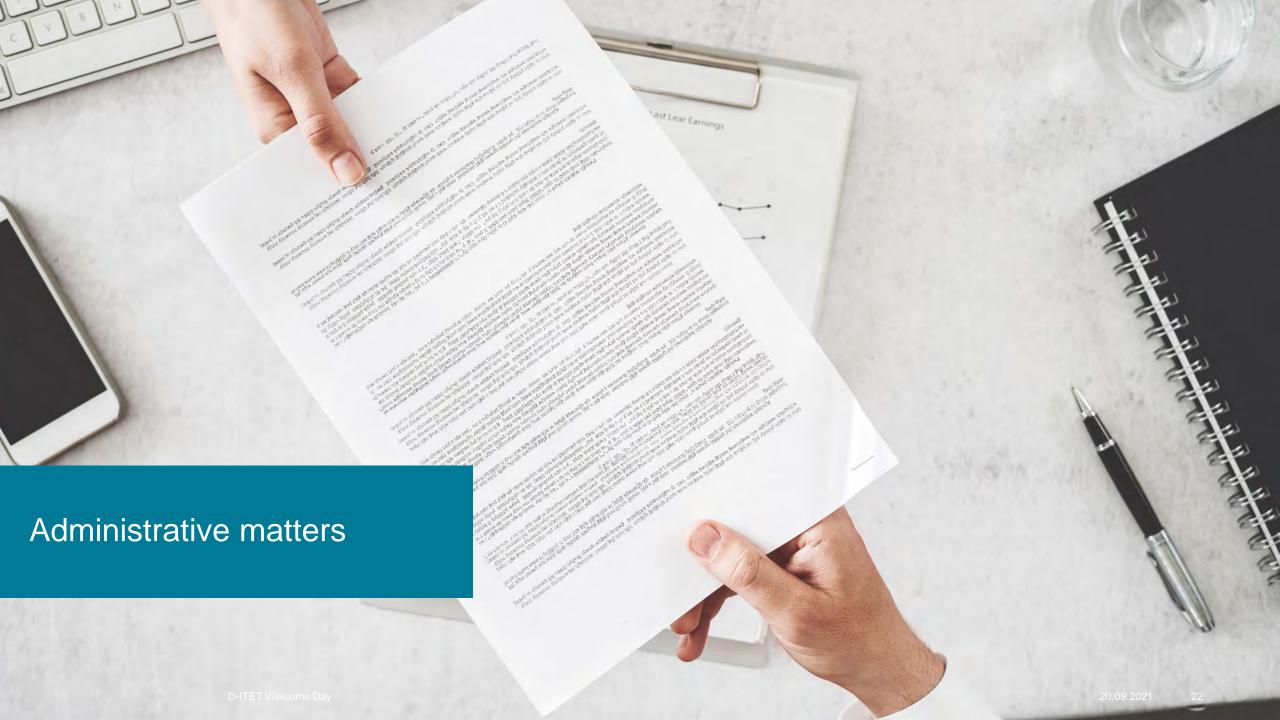
Courses from the category of "Science in Perspective" offered by the Department of Humanities, Social and Political Sciences (D-GESS) help you learn to **contextualize** specialized knowledge by:

- putting natural and technical sciences in social, political, economical and cultural contexts;
- understanding global conditions and consequences in terms of action in politics, culture and economy;

Students can choose between **Type A** (general) and **Type B** (specially recommended for your curriculum) courses from the course catalogue, for **language courses**, special rules may apply (see <u>directives collection</u>).

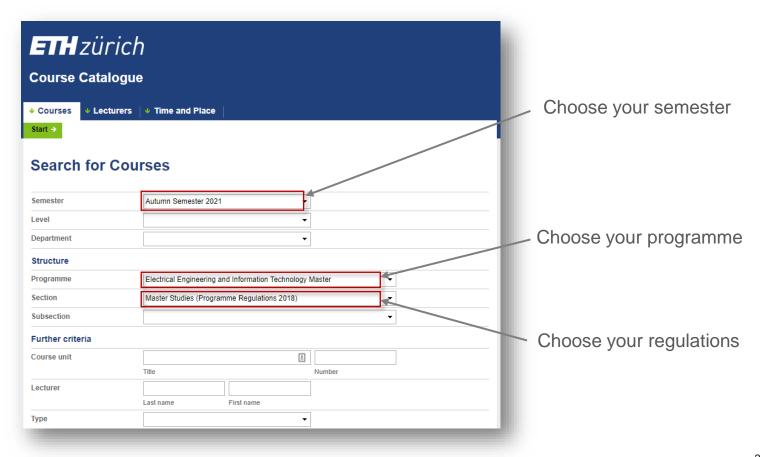
These courses are **mandatory for all students** at ETH, everyone must earn at least **2 credits** during their Master's Degree studies.

Contact: Study Admin D-GESS studiensekretariat@gess.ethz.ch / www.gess.ethz.ch



Navigating the course catalogue

When looking up courses offered in MSC EEIT, make sure to look for the 2018 regulations:



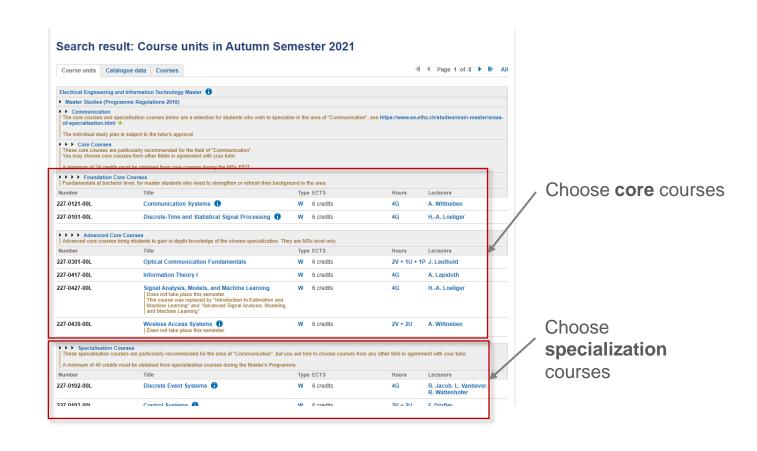


Choosing courses from the course catalogue

The courses are listed in the course catalogue according to the **areas of specialization** of the D-ITET.

For courses in the upcoming **spring semester** (2022), look at the current year's spring semester courses (2021).

If a new, more suitable course is introduced next spring or in fall 2022, remember that **tutor agreements** can be **changed**.



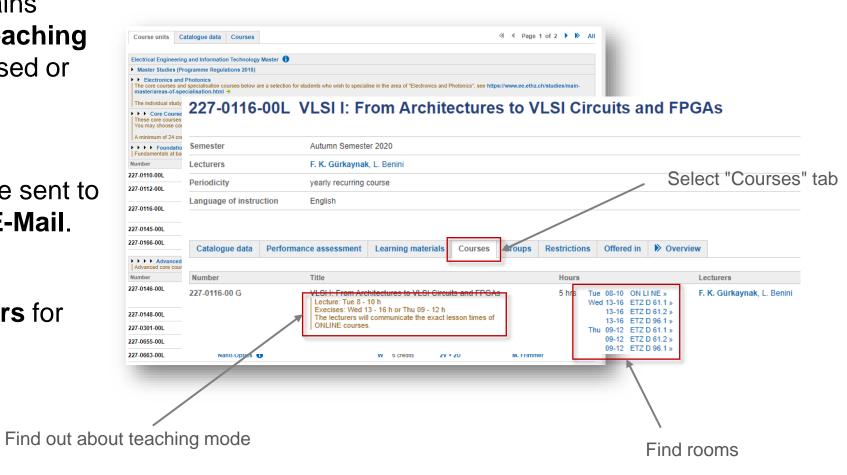


Navigating the course catalogue: Online or presence?

The course catalogue contains information regarding the **teaching mode** (online, presence-based or hybrid).

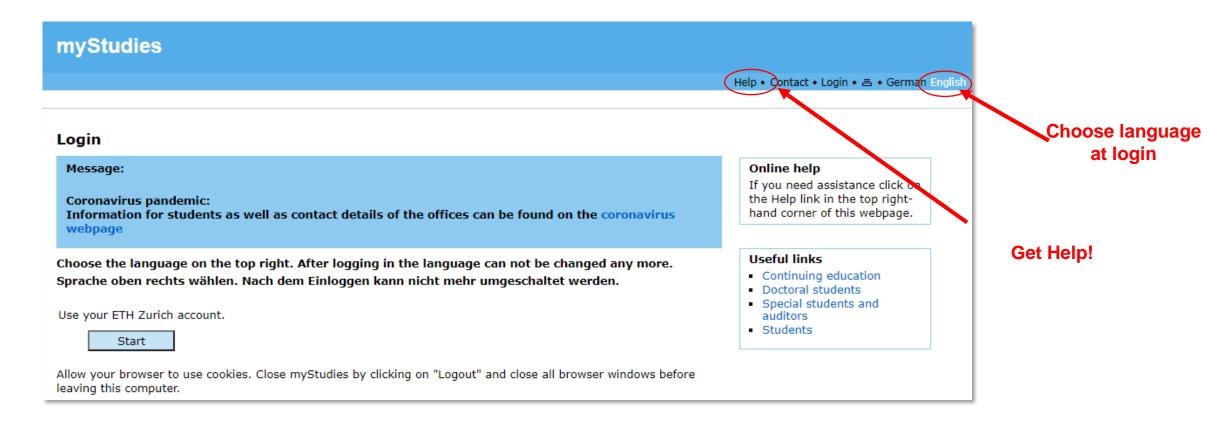
Additional information will be sent to the **enrolled students by E-Mail**.

Please **contact the lecturers** for more details.



myStudies: How to?

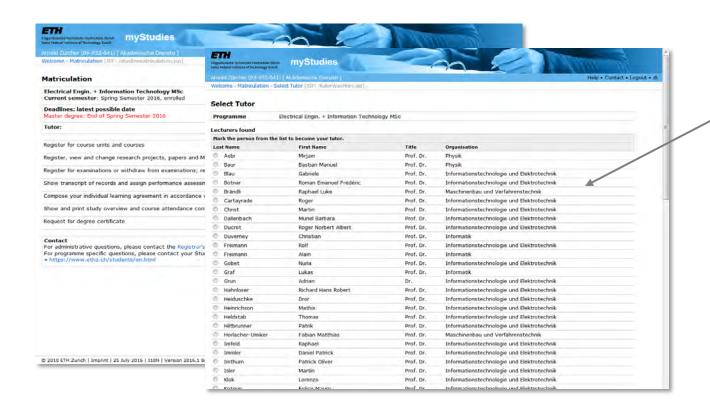
Watch the Video on "MyStudies: Semester Enrolment & Course Registration" published under www.ethz.ch/how-to-eth





Choosing a tutor in myStudies

Navigate to "Matriculation" in your myStudies account and choose "Select Tutor"



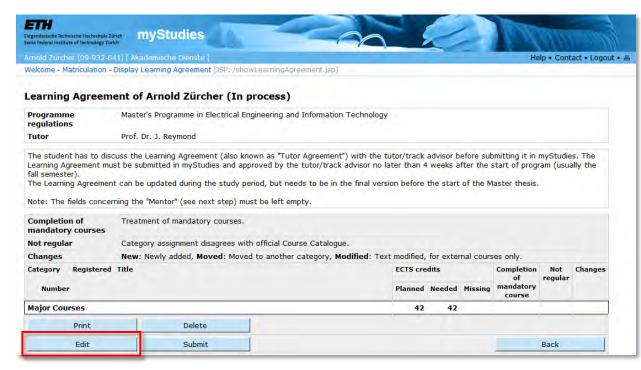
Choose your tutor from the list of available tutors, he/she will have to **confirm** in order to make your choice effective.

Discuss your choice with the proposed tutor **before** submitting it in myStudies.



Create learning agreement in myStudies

The **Tutor Agreement** is called "Learning Agreement" in myStudies, select this from the "Matriculation" page, you are now able to select courses from the course catalogue, by using the "Edit" button.



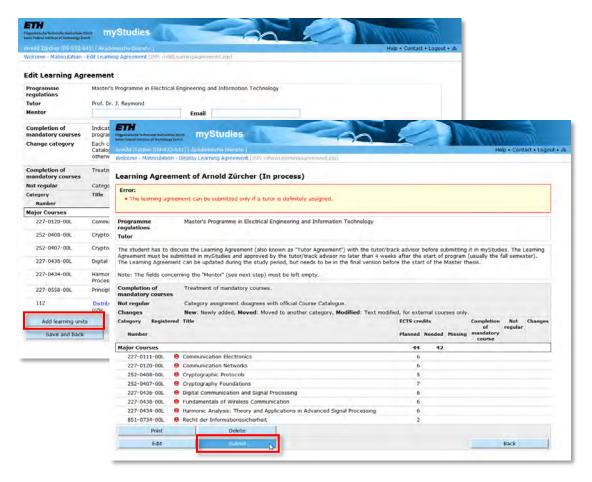
Note: you must submit a tutor agreement for the complete duration of your studies, changes are possible in agreement with the tutor.



Edit and submit a learning agreement

Once **all the courses** you wish to enrol for during the upcoming year are entered, your learning agreement is ready for discussion with your tutor.

Note: the learning agreement can only be submitted if you have a tutor. If you do not, an error warning (see picture) will appear.

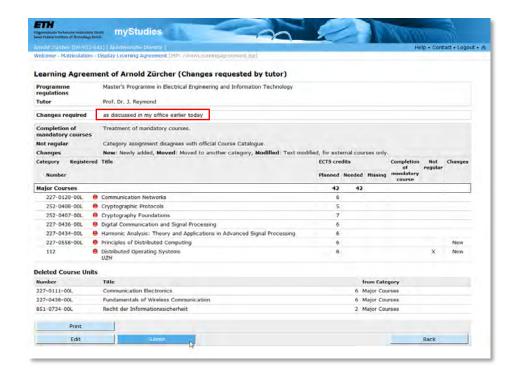




myStudies: Change learning agreement

In the following cases, you may be invited to change the learning agreement by the tutor:

- You have not discussed your learning agreement before submitting it (and the tutor requires you to change it).
- The initial tutor agreement must be changed for any reason at a later point in time (with the agreement of the tutor).





Submitting a tutor agreement: Best practice

Tutor agreement forms are submitted in myStudies. However, for the sake of simplicity, we suggest the following approach:

- 1. If you do not have a tutor yet, decide which professors' research areas best fit your study interests (see the <u>D-ITET website</u>).
- 2. Put together a list of courses in a *tentative learning agreement* form without submitting it. Print this list out and/or take your computer to the meeting.
- 3. Meet the potential tutor and discuss your choice of courses.
- 4. If you and the tutor agree to a list and only then select your tutor in myStudies, wait for confirmation and then *formally* submit the list of courses agreed upon during the discussion with your tutor.

In any case, please make sure to **ask your tutor** for his/her favorite way of handling the learning agreement process.

Enrolling for courses

- All courses you wish to count towards your Master Diploma must be enrolled for (both the course and the exam);
- Only courses agreed upon by your tutor will count for the degree, other courses go on a separate sheet, attached to the final transcript.
- In particular, do not forget to enroll for the Semester Projects and the Master Thesis (special section in myStudies "Projects/Papers/Theses).

Note the **list of possible supervisors** on our <u>website</u>: **only** professors of the D-ITET or associated professors can officially supervise projects and theses.

Performance Assessments

Watch the Video on "Exams at ETH: Types, Registration & Deadlines" published under www.ethz.ch/how-to-eth

- There are 3 types of performance assessments:
 - Session examination (Winter session: January/February Summer session: August),
 Attention to registration/deregistration deadlines
 - End-of-semester examination (2 weeks before end of lectures until 2 weeks after end of lectures), Attention to registration/deregistration deadlines
 - Graded/ungraded semester performance (e.g. semester project or internship in industry (performance during semester), Attention minimum/maximum allowed time/deadlines
- Passed exams cannot be re-taken, you can re-sit a failed exam once
- Special rules may apply regarding allowed (written) aids see the course catalogue (under "Performance assessment"), look at your personal exam schedule (myStudies for session exams) and make sure to ask your lecturer/examiner.



Counselling at ETH and the D-ITET

- Course selection: your tutor.
- Studies at D-ITET (deadlines, failures at examinations etc.): the coordinator of studies
- General questions regarding your arrival at ETH: the international student support
- Time management / motivation: ETH <u>student coaching</u>
- **Difficult phases / personal problems**: the <u>psychological counselling service</u> (free of charge and confidential)

Code of conduct

« At D-ITET, we maintain an inclusive, open and friendly environment, where our students, employees and faculty can thrive and achieve their highest potential, based on mutual respect. To preserve this cordial environment, we do not tolerate misbehavior of any kind, including threats, violence, bullying, sexual harassment, discrimination, or dishonesty in study and in research. »

Prof. Klaas Enno Stephan, Head of Department

Further information on the Web:

- Our principles
- What is "inappropriate behavior"?
- How to react?
- Contacts / support



Your contacts at the D-ITET



Prof. Sebastian Kozerke
Director of studies

ETZ F 94 +41 44 632 53 25 kozerke@biomed.ee.ethz.ch



Reto Kreuzer
Head of Student Administration /
Student advisor

ETZ H 83 +41 44 632 08 15 info@ee.ethz.ch



Doris Döbeli Student Administration

ETZ H 85 +41 44 632 50 03 info@ee.ethz.ch



Audrey Djouadi Student exchange advisor

ETZ H 87 +41 44 632 89 57 info@ee.ethz.ch

Computer infrastructure at ETHZ / D-ITET

- All ETH Computers (e.g. Main Building HG D 11, or ET-Building ETZ D 61.1) require your n.ethz password (same as used for myStudies).
- Only ITET students can access the computer infrastructure in the ET-building area, should you encounter a problem, contact support@ee.ethz.ch (IT support office ETF D 106).
- **Project Neptun:** During a short period (until October 4), laptops and tablet computers may be purchased through ETH (see www.projektneptun.ch).
- IDES: ETH also offers software at very low cost, some products even for free (see http://idesnx.ethz.ch). Remember: the use of non-licensed software is forbidden and subject to criminal prosecution!

Reminders

- Make sure that you always have your vaccination or test certificate and a personal identification document (e.g., student card) on you.
- Scout for good spots on the campus for WiFi and seating: some courses may be online, followed by presence-based teaching immediately after.
- Follow instructions of lecturers, especially re. certificates, keeping distances, and masks.



More details?

My Office

Reto Kreuzer, Study Coordinator D-ITET, ETZ H 83 Please send an E-mail to fix an appointment (info@ee.ethz.ch)

This presentation

Available tomorrow morning on www.ee.ethz.ch > Studies > Forms and Documents



Enjoy your studies at ETH!





Zürich, September 20th 2020





High School Politics

What do we do?

Study Documents







High School Politics

Representation of students' interests

Questions or complaints to hopo-itet@amiv.ethz.ch



- Theater
- Poker- / Jass tournament
- Sushi-Night
- Absolvierendenparty
- Strongmanrun
- Skiweekend
- Lasertag
- Beachvolleyball tournament





Info

Events

Studies









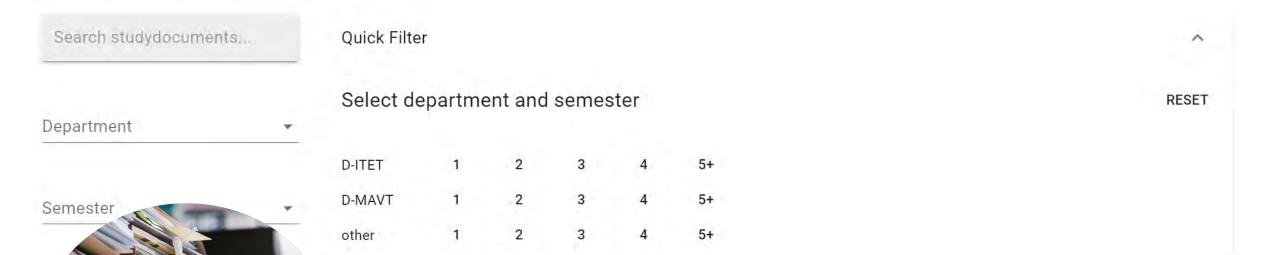


DE

Study Documents

How to Ersti

Student for a Day



Study Documents

amiv.ethz.ch

More than 1000 summaries, old exams, etc.



Written recollections of oral exams

extremely useful when preparing for an exam

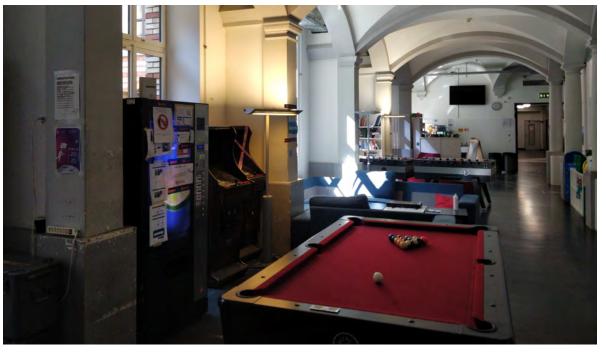


Lounge



- Coffee machine
- Beer vending machine
- Table football
- Billiard table

- Couches
- TV with game console
- microwaves





AMIV committees









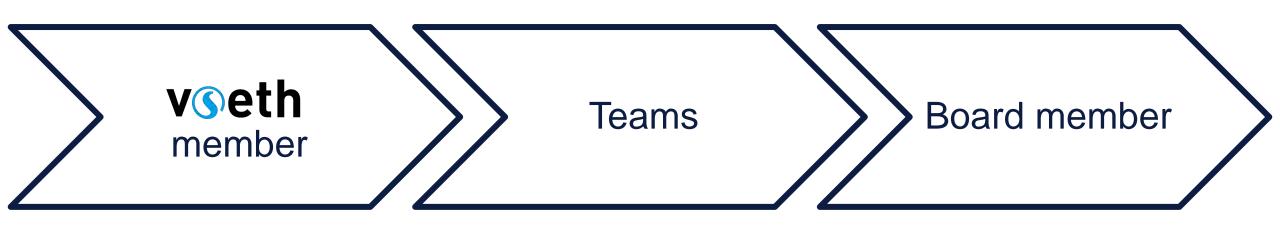








Wie kannst du mitmachen?



Voluntary contributions 1 for the Autumn Semester 2019

Note: If membership is selected, the personal and address data required for member administration and other club activities will be forwarded to the respective club.

Yes No
Solidarity fund for foreign students (CHF 5.-)

SOSETH membership (CHF 5.-)

VSETH membership (CHF 10.-; for doctoral students CHF 35.-)

Save



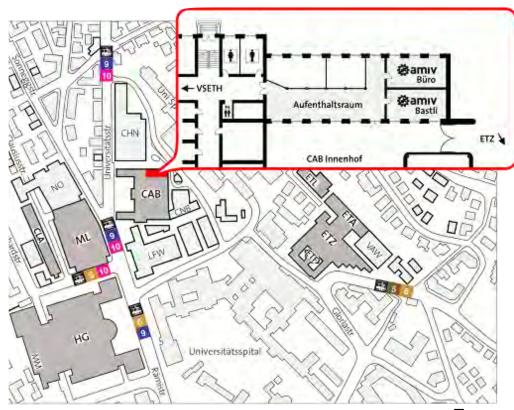
Questions?

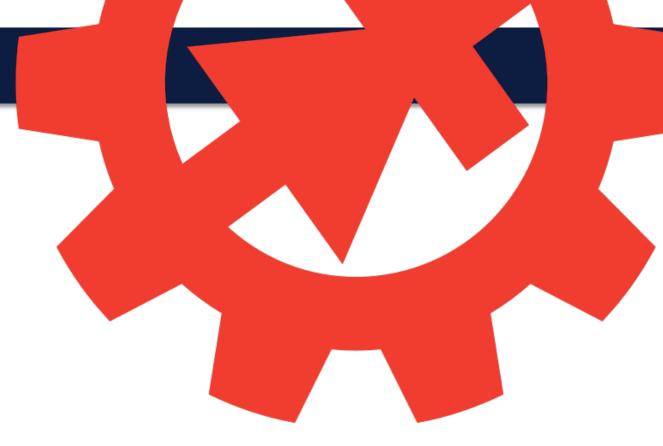




CAD LJ

Universitätstrasse 6 8092 Zürich





@amiv_eth

f facebook.com/AMIV.ETHZ



www.amiv.ch



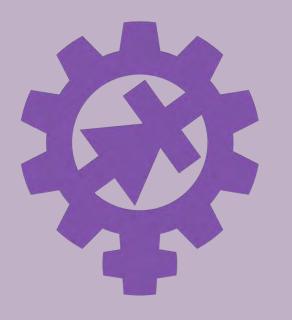
info@amiv.ethz.ch





LIMES

Ladies in Mechanical and Electrical Studies





- Connect with fellow female students

Connect with industry partners

Inspire highschool students

WHY?

EVENTS

- Mentoring
- Masterapéro
- Schülerinnentag
- Ladies' Night
 - Excursions
- Stammtisch
 - LIMES Talks

... and much more!













Masterapéro

Where?

ETZ Terrace, E-Floor

When?

Tomorrow, at 120' clock





LIMES

Ladies in Mechanical and Electrical Studies

email: limes@amiv.ethz.ch

instagram: @limes.eth

website: limes.ethz.ch





