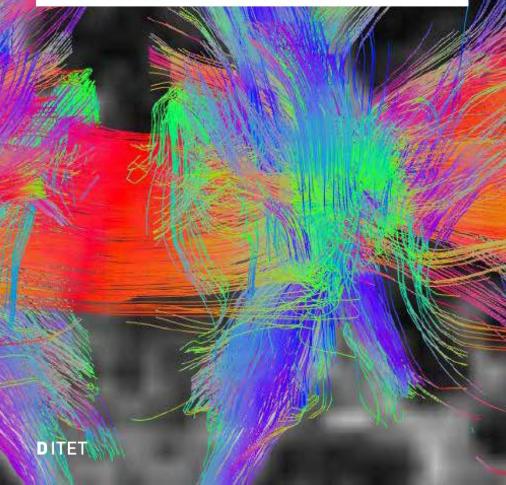


ETH zürich

Master of Sciene in Biomedical Engineering Orientation Day

Autumn Semester 2019



MSc Biomedical Engineering (BME): Who We Are

Administrative part



Christian Frei Coordinator MSc BME



Reto Kreuzer Coordinator of studies, D-ITET*

Track Bioelectronics Janos Vörös



Track Medical Physics Tony Lomax, Marco Stampanoni



Scientific part

Track Bioimaging Klaas Prüssmann



Track Biomechanics Ralph Müller



Track Mol. Bioengineering Marcy Zenobi



*Other ETH-departments involved: D-HEST, D-MAVT and D-PHYS

BEEZ and **AMIV**

BEEZ: Biomedical Engineering Student Association

Mavi Polatoglu





AMIV: Student's Association of D-ITET and D-MAVT



Incoming Class

49 students*

Austria (1), China (2), France (1), Germany (1), Iceland (1), Italy (3), Romania (1), Spain (2), Switzerland (32), Turkey (1), UK (1) and USA (3)

31 ETH Bachelors



* Not all students are matriculated yet

(ETZ H 85) for help on regulations.

Your Studies are Subject to Regulations

Study regulations (mostly available in German only)		echnische Hochschule Zürich titute of Technology Zurich	RSETHZ 324.1.0350.52	
www.rechtssammlung.ethz.ch		Studienreglement 20	013	
(complete collection, German)		für den Master-Studiengang		
www.master-biomed.ethz.ch		Biomedical Engineering		
> Legal documents (BME regulations in English)		Departemente Informationstechnologie und Elektrotechnik ⁽¹ (D-ITET) Maschinenbau und Verfahrenstechnik (D-MAVT)		
Rector's Directives (some available in German only) www.ethz.ch/students	Gesun	Physik (D-PHYS) dheitswissenschaften und Teo vom 14. Mai 2013	chnologie (D-HEST)	
> Studies > Legal basis > Directives Collection			Artikel	
	1. Kapitel:	Allgemeine Bestimmungen	1 – 10	
	2. Kapitel:	Inhalt, Umfang und Struktur des Master-Studiengangs	11 – 21	
	3. Kapitel:	Zulassung zum Master-Studiengang	22 – 23	
	4. Kapitel:	Leistungskontrollen	24 – 32	
	5. Kapitel:	Erteilung des Master-Diploms	33 – 37	
	6. Kapitel:	Schlussbestimmungen	38 – 41	
International students, please contact Ms Annina Wanner at the	Anhang			
Rectorate (HG F 22.3) or the D-ITET Department Secretariat	Ausgabe: 14.	05.2013 – 0		

Reminder: Student Online Portal

Your administrative duties on www.mystudies.ethz.ch



Enrollment to courses and exams

- Register for each semester until the end of the second week
- Register for courses (early in the semester; you need to be registered for a course to enroll for an exam)
- Submit a study plan/learning agreement (until the end of the 4th week)
- Enroll for exams please enroll during the 3rd and 4th week of the semester (withdrawal possible until very late)

Notify us of your address changes

Read your e-mails!

How to Choose / Enroll for Lectures?

Consult your track advisor!

Overview of lectures to choose from:

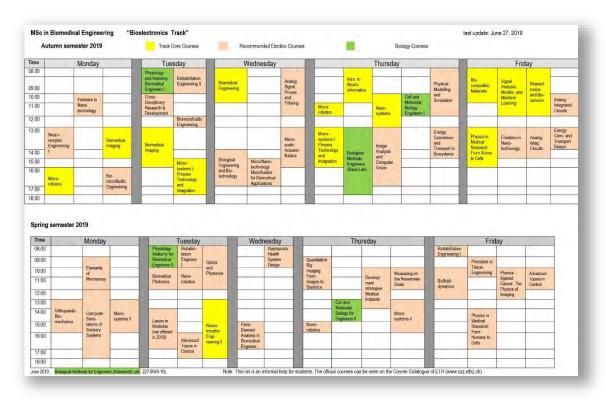
http://www.master-biomed.ethz.ch/education

Course catalogue:

www.vvz.ethz.ch > Level: Master's Degree
Programme > Department: ITET > Programme:
Biomedical Engineering Master

Enrollment through the online-portal:

www.mystudies.ethz.ch



How to Choose / Enroll for Lectures?

All courses you wish to count towards your Master Diploma must be enrolled for (both the course and the exam)

Only courses agreed upon with the track advisor will count

In particular, do not forget to enroll for the Semester Project and the Master Project

Credits ECTS to Fulfill the MSc BME

Currently: 90 ECTS

Starting 2020: 120 ECTS

You have the option to do this*

Track Courses	50 CP	Track Courses	52 to 76 CP
- Track Core Courses, at least 12 CI	D	- Track Core Courses, at least 12 CP	
- Recommended Elective Courses		- Recommended Elective Courses	
- Biology Courses	1.1.1.1.	- Biology Courses	
Semester Project	CP12 CP	Semester Project	12 CP
Master Project	30 CP	Option: 2nd Semester Project	12 CP
Humanities (GESS/SIP)	2 CP	Option: Internship at Industry	12 CP
Total	90 CP	Option: Research Project	24 CP
		Option: D-HEST Research Projects	5 to 15 CP

Master Project

Total

Humanities (GESS/SIP)

30 CP

2 CP

120 CP

Learning Agreement / Individual Study Plan

Contains all core courses, recommended elective courses and biology courses

Track Medical Physics: Select Tutor

All other tracks: the track advisor is preselected as the tutor

myStudies: called "Learning Agreement"

Imold Zürcher (09-932-541) [Akademische Dienste]	Help • Contact • Logout •
Velcome - Matriculation [JSP: /studfmmatrikulation.jsp]	net country to be a
Natriculation	
Electrical Engin. + Information Technology MSc Current semester: Spring Semester 2016, enrolled	Back
Deadlines: latest possible date Master degree: End of Spring Semester 2016	
Tutor:	Select Tutor
Register for course units and courses	Course registration
Register, view and change research projects, papers and Master's theses.	Projects/papers/theses
tegister for examinations or withdraw from examinations; registration deadline is 2016.07.25	Examinations
show transcript of records and assign performance assessments to categories	Transcript of records
compose your individual learning agreement in accordance with your tutor.	Learning Agreement
how and print study overview and course attendance confirmation sheets	Studies overview
tequest for degree certificate	Degree request
Contact For administrative questions, please contact the Registrar's Office, Tel. 044 632 30 00 For programme specific questions, please contact your Study Administration Office. https://www.etbz.ch/students/en.html	

Discuss your choice with the track advisor, edit and submit the list in *myStudies* by the end of the <u>fourth</u> <u>week</u> of the semester

Track advisors can allow courses not pre-defined for a particular track

Only these courses can be accounted for the final degree

90 Credits ECTS to Fulfill the MSc BME

Track Courses - Track Core Courses, at I	50 CP least 12 CP	Semester Project: 14 week 50% or 7 weeks 100% Master Project: 6 months 100%
- Recommended Elective - Biology Courses	Courses	Register with myStudies
Semester Project	8 CP	Projects must be supervised by a professor
Master Project	30 CP	affiliated with one of the 4 participating departments: D-ITET, D-HEST, D-MAVT or
Humanities (GESS/SIP)	2 CP	D-PHYS
Total	90 CP	
		No need to submit a written document/project plan to D-ITET

Not part of the learning agreement

90 Credits ECTS to Fulfill the MSc BME

- July zürich

		EINZURICN	Alumni association D-GESS Intranet
		Department of Humanities, Social and Political Scien	ices
Track Courses	50 CP	News & Events The Department Research Studies Doctoral Studies	Continuing Information & Education Documents
- Track Core Courses, at le	east 12 CP	ETH Zurich > D-GESS	Th
- Recommended Elective	Courses		te th
- Biology Courses			
Semester Project	8 CP	Benoist Prize for ETH researcher	
Master Project	30 CP	ETH Zurich peace and conflict researcher Lars-Erik Cederman has been awarded this year's Marcel Benoist Swiss Science Prize.	
Humanities (GESS/SIP)	2 CP	Department of Humanities, Social and Politic	al Sciences
Total	90 CP	Understanding People - Steering Developments - Grasping	EI

The GESS/SIP "Compulsory Elective" courses are mandatory for all students at ETH

For language courses, special rules apply (see <u>directives collection</u>)

GESS courses are selected and offered by the Department of Humanities, Social and Political Sciences (D-GESS)

Contact: Study admin D-GESS, Viola Gloor, viola.gloor@gess.ethz.ch

On the web: <u>www.gess.ethz.ch</u>

Student portal

Login Contact

evword or pe

The D-GESS adds a

he university's activities, thus contributing to the unique competence profile of ETH Zurich Read more

Contact ETH Zürich D-GESS



Come to us

This presentation can be downloaded from our website

http://www.master-biomed.ethz.ch/

Questions?

Department of Inform	nation Technolo						Student portal Alumni association	Login Keywo Depart	Contact ord or person tments	en Q V
Education Re	search Ad	Imission	People	Documents	News & Events	Links				
ETH Zurich > D-ITH	anics		Engineering					is an grow resid betw biolo The biom is to prob adva treat	nedical Enginee a exciting and ving field which les at the interf reen engineerin broad goal of nedical enginee solve human h lems through unces in diagno timent and/or ention of huma ase.	iaces Ig. ne. ering iealth isis,



Contacts / Information for Students of the MSc Biomedical Engineering

September 16, 2019

Reto Kreuzer

Coordinator of Studies, Department of Information Technology and Electrical Engineering (D-ITET)



Agenda

- **1. Your new department**
- **2.** Where to find the right contact
- **3.** Useful information

DIIEI

The D-ITET: Optimal support for 1400 students



D.E.B.H III

- 36 professors and professors
- over 50 other lecturers
- 400 doctoral students
- study administration
- AMIV/BEEZ (students' association)
- IT support

Students at ETHZ and D-ITET (2018 figures)

Students at ETH	21'397
Students at D-ITET	1'808
Students at bachelor level (years 1 to 3) ETH D-ITET	9'517 704
Students at master level (years 4 to 5)ETHD-ITETElectrical Engineering MScBiomedical Engineering MSc (with D-HEST, D-MAVT and D-PHYS)Energy Science & Technology MSc (with D-MAVT and D-MTEC)Quantum Engineering (with D-PHYS, first year fall 2019)Neural Systems an Computation MSc (with University Zurich)	6'590 668 400 105 107 24 56
Exchange students ETH D-ITET	480 39
PhD students ETH D-ITET	4'175 397

Our Professors: one fourth in the biomedical field









Prof. Florian Dörfler

Prof. Christian M. Franck

Prof. Orcun Göksel





Prof. Ulrike Grossner

Prof. Sebastian Kozerke

Prof. Richard Hahnloser

Prof. Amos Lapidoth



Prof. Jürg Leuthold



Prof. Gabriela Hug



Prof. Taekwang Jang













Prof. Ender Konukoglu



Prof. Klaas P. Prüssmann



Prof. Daniel Razansky





Prof. Klaas Enno Stephan

Prof. Lothar Thiele

Prof. Hans-Andrea Loeliger



Prof. Mathieu Luisier

Prof. Luc Van Gool

Prof. Laurent Vanbever

Prof. John Lygeros





Prof. János Vörös



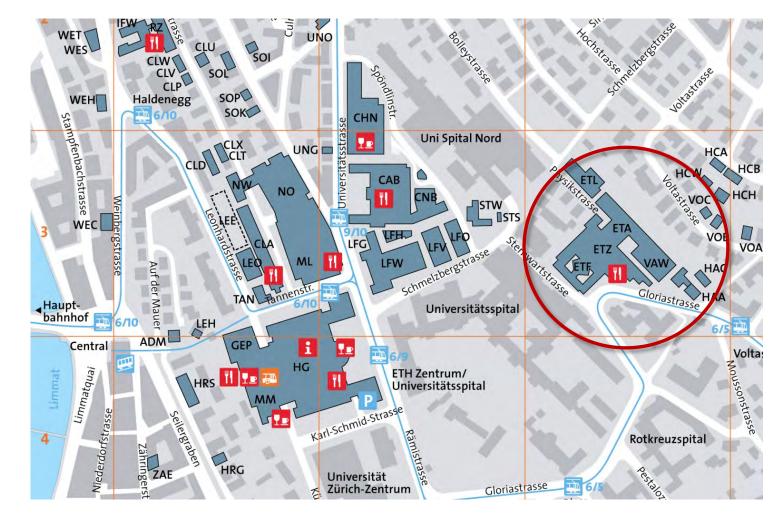
ETH zürich



Where to find the right contact



Map of ETH and D-ITET



DITET

DITFT

Where do I find information on the web?

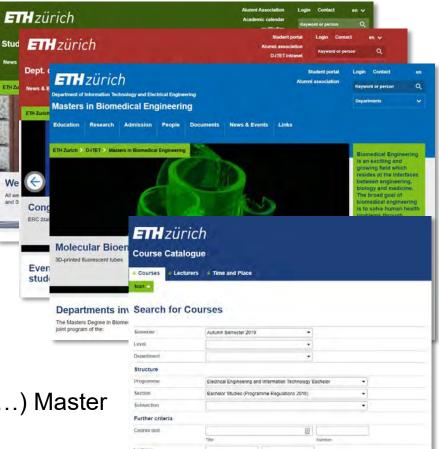
- General Information on studies at ETH and D-ITET ETH students' website: <u>www.ethz.ch/students</u>
 D-ITET website <u>www.ee.ethz.ch/studies</u>
- Information on the Master in Biomedical Engineering Program website: <u>www.master-biomed.ethz.ch</u>
- Course catalogue

Online: <u>www.vvz.ethz.ch</u> > Programme > Electrical Engineering (...) Master

Messages from ETH and the Department

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

 \rightarrow check your mailbox regularly and read the messages carefully!



DITET

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.

Students' association

AMIV (CAB E 37)

Social contacts, networking

D-ITET / central services

Student Admin (ETZ H 85)

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

Tutors / Lecturers / TA

Course specific questions, study plan

Your contacts at the D-ITET



Reto Kreuzer Coordinator of studies, Student advisor

Head of student administration D-ITET, Regulations / legal etc.

ETZ H 83 +41 44 632 50 03 info@ee.ethz.ch



Doris Döbeli Student Administration

Transcripts of records, diplomas etc.

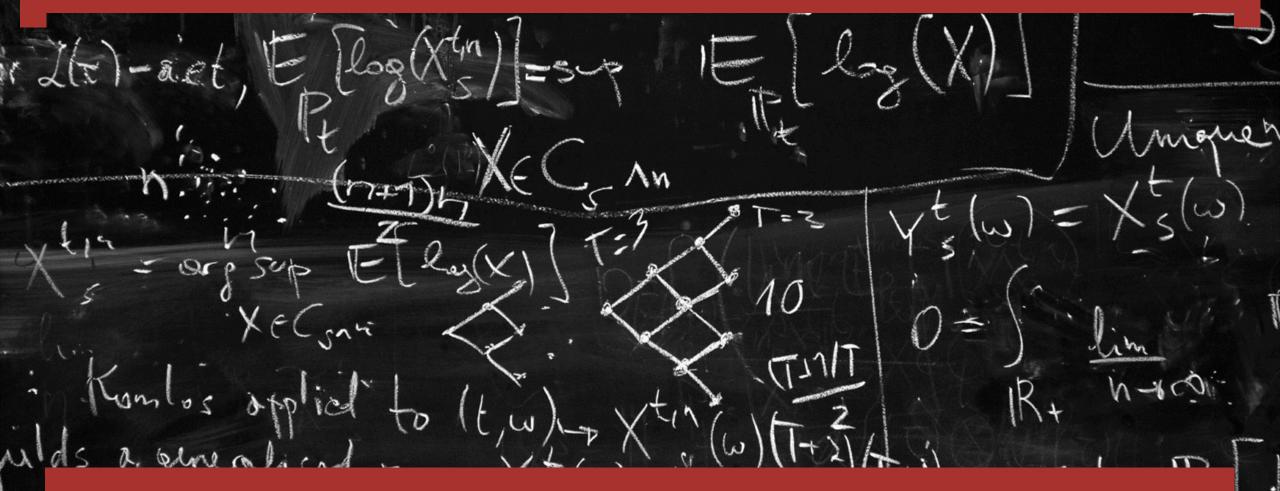
ETZ H 85 +41 44 632 50 03 info@ee.ethz.ch ETZ H 87 +41 44 632 50 03 info@ee.ethz.ch



Noëmie Frischknecht Study Coordination

Course schedules

ETH zürich



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Useful information

Counselling at ETH and the D-ITET

- **Course selection**: your track advisor.
- Studies at D-ITET: As the student advisor of D-ITET, I offer counselling on issues directly related to your studies (e.g. deadlines, failures at examinations, etc.).
- General questions regarding your arrival at ETH: Ms. Annina Wanner (HG F 22.3) of the international student support helps with possible issues related to your status as foreign student.
- Time management / motivation: The team of the ETH student advisory service / coaching of the Student Services (StS) helps you.
- Difficult phases / personal problems: the psychological counselling service (free of charge and confidential).

DITET

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 <u>support@ee.ethz.ch</u> (IT support office ETF D 106).
- Project Neptun: During a short period (until September 30), laptops may be purchased through ETH (see <u>www.projektneptun.ch</u>).
- 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!

More details?

My Office

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

This presentation

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

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. »

Further information on the Web:

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



Prof. Vanessa Wood, Head of Department

Enjoy your studies at ETH!

* ALS KALLALA KALL



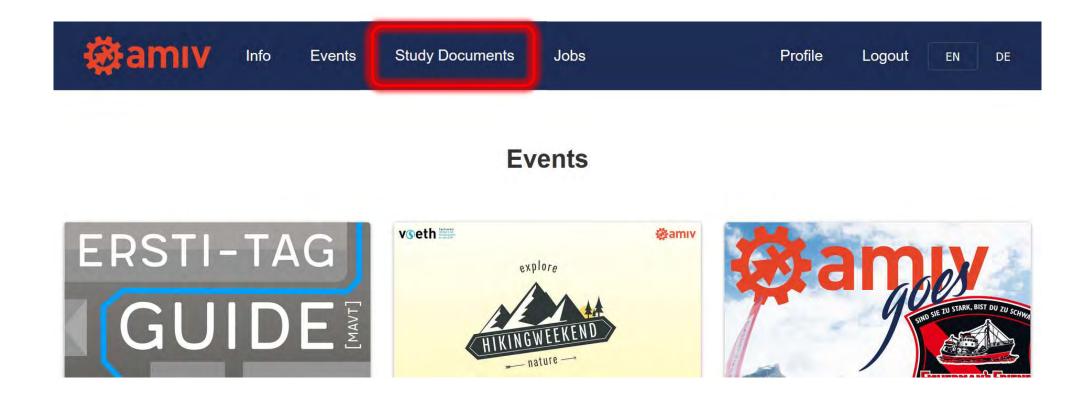
Zürich



Welcome Day

Offers and Activities: Study Documents

Study documents online on the AMIV website



& amıv

Offers and Activities: Events

Sport and Fun

- Theater
- Poker- / Jass tournament
- Sushi-Night
- Chocolate fondue
- Strongmanrun
- Wellness-Evening
- Lasertag
- Beachvolleyball tournament









Offers and Activities: Events

Events

- Hertz
- Absolventenparty
- AMIV goes
 Nachtseminar
- And much more \odot





- Skiweekend
- AMIV Fondue (with professors)
- Wine degustation
- Beer degustation











die Fachzeitschrift des amiv an der ETH













Offers and Activities: Lounge



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

- Couches
- 55" TV with:
 - Xbox One and 360
 - PS4
 - Nintendo Wii





How can I participate?

• Become a VSETH member:

Note: If membership is selected, the personal and address data required and other club activities will be forwarded to the respective club.	for member administ	ration
	Yes	No
Solidarity fund for foreign students (CHF 5)	۲	0
SOSETH membership (CHF 5)	۲	0
VSETH membership (CHF 10; for doctoral students CHF 35)	۲	0
	Save	

• Teams

• Board member



Where can you find us?









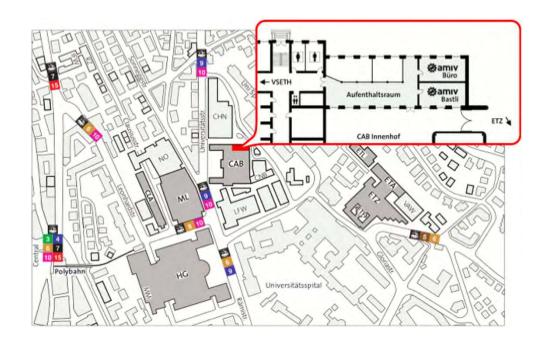
www.amiv.ch

@amiv_eth

info@amiv.ethz.ch



CAB E37 Universitätstrasse 6 8092 Zürich



∰amıv

Questions?



Welcome Day - 2019



amiv an der ETH

Universitätstrasse 6 CH-8092 Zürich

www.amiv.ch info@amiv.ethz.ch



Welcome Day - 2019





What we do:

Ladies Night:

Dinner and networking with industry partner

Highschool students day:

Information day for students to inspire them for our field

Further activities:

- Coachingevents
- Excursions
- Sport events









Welcome-Apero for all women

Tuesday 17.9 12.00 p.m. ETZ Foyer









limes@amiv.ethz.ch



www.amiv.ethz.ch/limes



https://www.facebook.com/LIMES.AMIV

