

The background image shows the main building of ETH Zurich, a large, multi-story structure with a mix of red brick and white stone. The building features a prominent central entrance with a pediment and columns. To the left, there is a section of the building with horizontal red and white stripes. In the foreground, there are trees with green leaves, a black metal fence, and a few people sitting on a bench. A blue rectangular box is overlaid on the right side of the image, containing white text.

# Welcome to the Department of Computer Science

Prof. Dr. Bernd Gärtner & Brigitte Marti  
Departmental Exchange Coordinators

19 February 2024

# Today's program

- Short introduction to the Department of Computer Science (D-INFK)
- Information about study plan, research projects, examinations, transcript of records, etc.
- Questions
- Guided tour by computer science students

# Today's presentation slides will be published online

<https://inf.ethz.ch/studies/presentation-collection.html>



Department of Computer Science

[News and Events](#) [Department](#) [People](#) [Research](#) [Studies](#) [Doctorate](#) [Continuing Education](#)

[Homepage](#) > [Studies](#) > [Presentation Collection](#)

## Presentation Collection

### Prestudy Event

[Presentation June 2023 \(PDF, 7.8 MB\)](#) [↓](#)

[Presentation September 2023 \(PDF, 7.7 MB\)](#) [↓](#)

### Welcome day for first-semester students

[Presentation BSc September 2023 \(PDF, 5.4 MB\)](#) [↓](#)

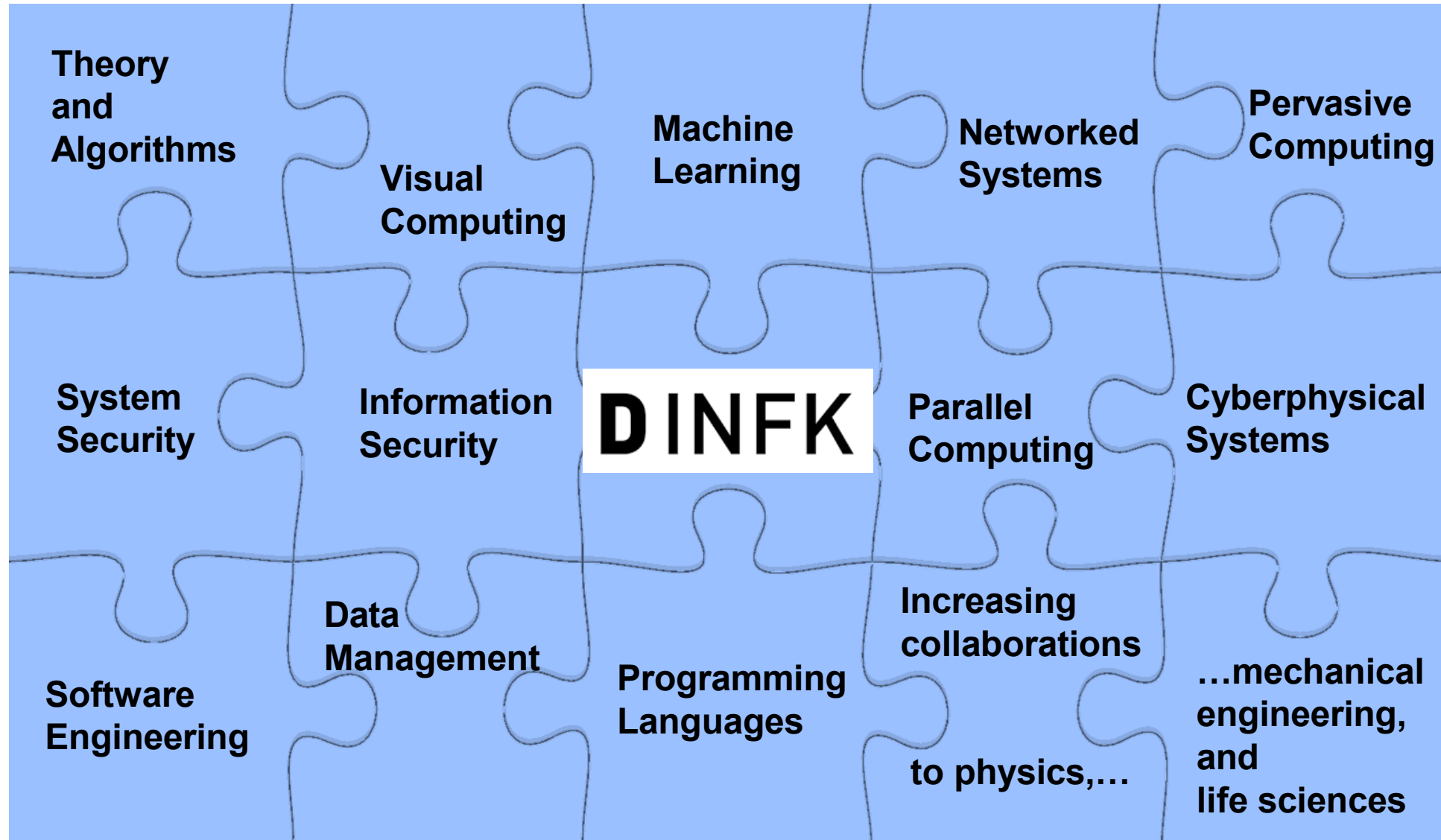
### First-year examinations



# Our faculty at D-INFK



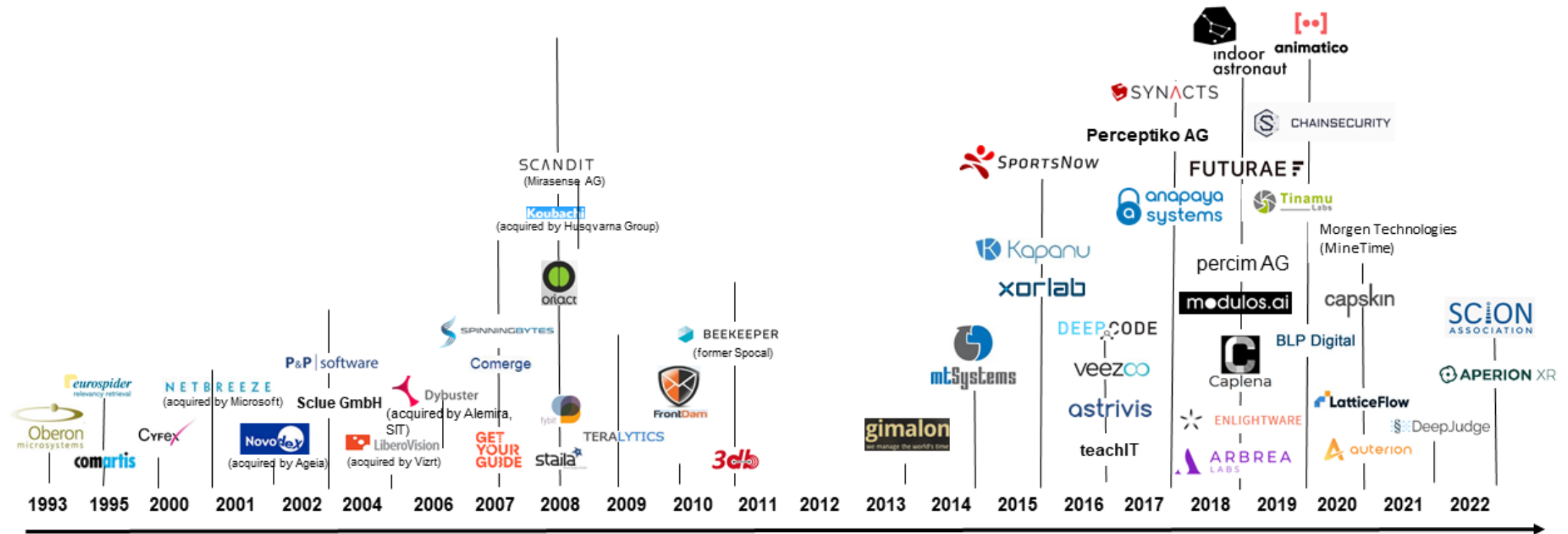
# Broad spectrum of topics in research and education



# Start your own company

53 D-INFK Spin-offs  
founded since 1993

## Establishment of Academic ETH Spin-offs





# Have a look at the D-INFK website

<https://inf.ethz.ch/>

**ETH** zürich

Department of Computer Science

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## ETH Medals for Master's graduates

Three Master's graduates from the Department of Computer Science have been awarded the ETH Medal for their outstanding performance. Congratulations!



**ETH** zürich

Department of Computer Science

19.02.2024

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# Today's program

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- **Information about study plan, research projects, examinations, transcript of records, etc.**
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# Course registration & update of study plan

Deadline for course registration in **myStudies**:

end of 2<sup>nd</sup> week of the semester → **Sunday, 3 March 2024**

In case of changes to your original course selection:

Please also adapt your study plan in **Mobility-Online** by **Sunday, 3 March 2024**.

# Study plan guidelines – overview

## [Study plan guidelines of the Student Exchange Office](#)

Choose courses which add up to **at least 20 ECTS credits** per semester (excl. language courses).  
Recommended: 20–26 ECTS credits

Rules at D-INFK:

- **At least 10 ECTS credits** per semester in our BSc & MSc programs («offered in»)
- **At least 14 ECTS credits** per semester in our BSc & MSc programs or related study programs, e.g. mathematics, physics, electrical engineering («offered in»)
- **The rest** may be earned with (almost) any course at ETH, as long as credits from no other department exceed credits from D-INFK (first three digits of the course numbers)  
→ D-INFK course numbers: 252-, 261-, & 263-xxxx-xxx

Make sure you meet your **home institution's** requirements as well!

# Information about courses and in which programs they are offered

<http://www.vvz.ethz.ch/>

## 252-0216-00L Rigorous Software Engineering

Semester	Spring Semester 2024
Lecturers	<a href="#">M. Vechev</a> , <a href="#">M. Schwerhoff</a>
Periodicity	yearly recurring course
Language of instruction	English



Courses Catalogue data Performance assessment Learning materials Groups Restrictions **Offered in** » Overview

Programme	Section	Type
Computer Science Bachelor	Major: Systems and Software Engineering	O 

CS BSc → counts towards min. 10 credits



# Study plan guidelines – details

At least 10 ECTS credits (1/2 of 20) in our BSc & MSc programs

## Courses offered in:

- BSc Computer Science
- MSc Computer Science
- MSc Data Science
- MSc Cyber Security

## Place restrictions:

- maximally one D-INFK seminar per semester
- no Interfocus Courses (MSc)
- In case primary target groups are listed: Look for «Computer Science (Mobility)»

## Credits do not count for this category:

- BSc CS, Minor Courses
  - MSc Data Science, Interdisciplinary Electives
  - CS general courses for non-computer scientists
- } Related study programs

# Study plan guidelines – details

At least 14 ECTS credits (2/3 of 20) in our and related study programs

## Also courses offered in:

- BSc & MSc Electrical Engineering
- BSc & MSc Mathematics
- BSc & MSc Physics
- BSc & MSc Computational Science and Engineering
- BSc CS, Minor Courses
- MSc Data Science, Interdisciplinary Electives
- CS general courses for non-computer scientists

**2/3 rule: At least 14 ECTS** (2/3 of the required minimum number of 20 ECTS) must be taken in **our BSc and MSc programs, or related fields**. Language courses, Science in Perspective, the ETH Week, and courses at UZH do not count towards the 14 ECTS.

**Once the 2/3 rule is met**, you can fill up your study plan with any other course, as long as credits from no other department exceed credits from D-INFK.

# Example from the ETH course catalog

## 151-0854-00L Autonomous Mobile Robots

Semester	Spring Semester 2024
Lecturers	<a href="#">R. Siegwart</a> , <a href="#">L. Ott</a>
Periodicity	yearly recurring course
Language of instruction	English

<a href="#">Courses</a>	<a href="#">Catalogue data</a>	<a href="#">Performance assessment</a>	<a href="#">Learning materials</a>	<a href="#">Groups</a>	<a href="#">Restrictions</a>	<a href="#">Offered in</a>	<a href="#">» Overview</a>
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Programme	Section	Type	
<a href="#">Electrical Engineering and Information Technology Master</a>	<a href="#">Specialization Courses</a>	W	<a href="#">i</a>
<a href="#">Electrical Engineering and Information Technology Master</a>	<a href="#">Recommended Subjects</a>	W	<a href="#">i</a>
<a href="#">Computer Science Bachelor</a>	<a href="#">Minor Courses</a>	W	<a href="#">i</a>
<a href="#">Mechanical Engineering Bachelor</a>	<a href="#">Mechatronics and Robotics</a>	W	<a href="#">i</a>
<a href="#">Mechanical Engineering Master</a>	<a href="#">Robotics, Systems and Control</a>	W	<a href="#">i</a>
<a href="#">Computational Science and Engineering Bachelor</a>	<a href="#">Robotics</a>	W	<a href="#">i</a>
<a href="#">Computational Science and Engineering Master</a>	<a href="#">Robotics</a>	W	<a href="#">i</a>
<a href="#">Robotics, Systems and Control Master</a>	<a href="#">Core Courses</a>	W	<a href="#">i</a>

→ counts towards min. 14 credits



# Study plan guidelines – details

Rest: You can fill up your study plan with (almost) any course at ETH

- Further courses in **our BSc & MSc programs and related study programs**
- Courses from **other departments** at ETH, also Science in Perspective (D-GESS)
  - check for potential attendance restrictions in the course catalog
- ETH Week (September)
- **Language courses** at the [Language Center of UZH and ETHZ](#)
- Individual courses at the **University of Zurich** (UZH)
  - apply online at UZH under [studying at more than one university](#)

# Study plan guidelines – further details

- **BSc or MSc:** Choose the adequate level according to your knowledge  
→ look for prerequisites for courses in the course catalog
- **20–26 ECTS credits per semester** are ideal.
- Language courses do not count towards the minimum of 20 ECTS.
- **A maximum of 30 ECTS credits** per semester is the very recommended limit.

# Language courses – registration

Please **register** the language course

- online with the [Language Center of UZH and ETHZ](#)
- in your study plan in Mobility-Online  
(but not in myStudies)



Courses of UZH and the Language Center do not appear in myStudies, but they will be listed on your **transcript of records**.

The Language Center also will issue a **certificate**.



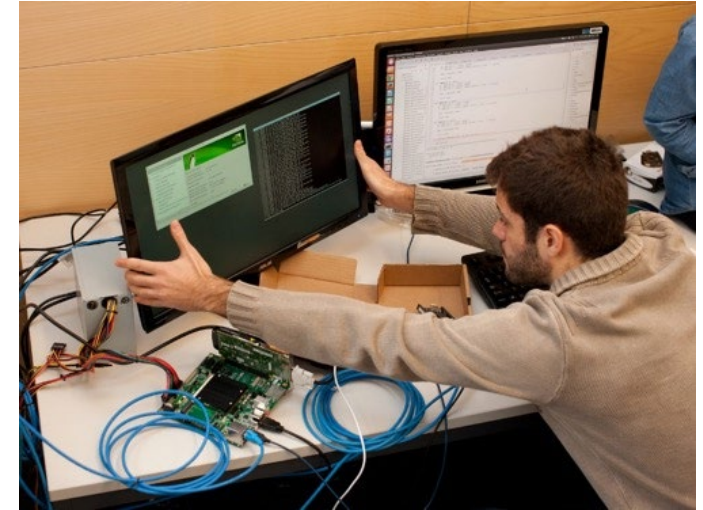
## Research projects – options

<div> <div>▶ ▶ Research Project</div> <div>The courses below are only available for exchange students.</div> </div>					
Number	Title	Type	ECTS	Hours	Lecturers
900-0005-00L	<b>5 Credit Project</b> <div>ONLY for mobility students.</div> <div>Any other students (e.g.BSc, MSc, doctoral students) CANNOT enrol for this course unit.</div>	W	5 credits	11A	Lecturers
900-0010-00L	<b>10 Credit Project</b> <div>ONLY for mobility students.</div> <div>Any other students (e.g.BSc, MSc, doctoral students) CANNOT enrol for this course unit.</div>	W	10 credits	21A	Lecturers
900-0015-00L	<b>15 Credit Project</b> <div>ONLY for mobility students.</div> <div>Any other students (e.g.BSc, MSc, doctoral students) CANNOT enrol for this course unit.</div>	W	15 credits	32A	Lecturers
900-0020-00L	<b>20 Credit Project</b> <div>ONLY for mobility students.</div> <div>Any other students (e.g.BSc, MSc, doctoral students) CANNOT enrol for this course unit.</div>	W	20 credits	43A	Lecturers
900-0025-00L	<b>25 Credit Project</b> <div>ONLY for mobility students.</div> <div>Any other students (e.g.BSc, MSc, doctoral students) CANNOT enrol for this course unit.</div>	W	25 credits	54A	Lecturers
900-0030-00L	<b>30 Credit Project</b> <div>ONLY for mobility students.</div> <div>Any other students (e.g.BSc, MSc, doctoral students) CANNOT enrol for this course unit.</div>	W	30 credits	64A	Lecturers
900-0060-00L	<b>60 Credit Project</b> <div>ONLY for mobility students.</div> <div>Any other students (e.g.BSc, MSc, doctoral students) CANNOT enrol for this course unit.</div>	W	60 credits	129A	Lecturers

# Research projects – ECTS credits and combinations of projects

Number of ECTS according to **duration of project**

- 5 Credit Project → 1 month (full time)
- 30 Credit Project → 6 month (full time)



Projects can be done on a **part-time basis**. → Discuss the duration with your supervisor.

You may **combine research projects**, e.g. register for a 10 Credit Project and a 5 Credit Project.

It is not possible to register for the same research project twice, e.g. 2 x 5 Credit Project.

# Research projects – how does it work?

1. Have a look at the **websites** of professors or groups, e.g. [here](#).  
Choose a suitable topic and **apply** as instructed there. Official supervisor is a professor at ETH.  
For the study plan rules, the credits are counted according to the professor's department affiliation.
2. Found a project and a supervisor?  
→ **Register** the project in myStudies and enter the project details in Mobility-Online.
3. Start the project work and prepare a **task description** (approx. one page)  
→ send it as PDF to [mobility@inf.ethz.ch](mailto:mobility@inf.ethz.ch) for upload
4. Submit a written **project report** in the end by email to your supervisor(s) and [mobility@inf.ethz.ch](mailto:mobility@inf.ethz.ch)



# Performance assessment and examination types

- **End-of-semester examinations**  
calendar weeks 21–24 (May, June)  
→ separate registration needed (myStudies)
- **Session examinations**  
calendar weeks 32–35 (August)  
→ separate registration needed (myStudies)
- **Semester performance** (e.g. presentation in a seminar)  
→ no separate registration



<https://ethz.ch/students/en/studies/performance-assessments.html>

# How to find out about performance assessment?

## 252-0216-00L Rigorous Software Engineering

Semester Spring Semester 2024

Lecturers [M. Vechev](#), [M. Schwerhoff](#)

Periodicity yearly recurring course

Language of instruction English



[Courses](#) [Catalogue data](#) **[Performance assessment](#)** [Learning materials](#) [Groups](#) [Restrictions](#) [Offered in](#) [► Overview](#)

Performance assessment information (valid until the course unit is held again)

► **Performance assessment as a semester course**

ECTS credits 8 credits

Examiners [M. Vechev](#), [M. Schwerhoff](#)

Type **session examination**

Language of examination English

Repetition The performance assessment is only offered in the session after the course unit. Repetition only possible after re-enrolling.

Mode of examination **written 120 minutes**

Additional information on mode of examination  
The grade will be determined by:  
- a mandatory project, 20%  
- a final exam, 80%

Students who are repeating the course are required to repeat the project work.

Written aids None.

**This information can be updated until the beginning of the semester; information on the examination timetable is binding.**

# Examination registration

- Register in myStudies in the 3<sup>rd</sup> and 4<sup>th</sup> semester week  
→ by **Sunday, 17 March 2024**
- Courses will only be accredited and listed positively on your transcript on condition that the corresponding performance assessment has been successfully completed.  
→ **no entry for attendance only** (if a course includes an exam, project, presentation...)
- You can **withdraw** your exam registration later on but do not forget to do so [in time](#).  
→ No-show means "**failed**" and this would appear on your transcript!

<https://ethz.ch/staffnet/en/news-and-events/academic-calendar/dates-deadlines.html>

# Courses with semester performance:

## Exaple for early deadline for deregistration

### 252-4102-00L Seminar on Randomized Algorithms and Probabilistic Methods

Semester	Spring Semester 2024
Lecturers	<a href="#">A. Steger</a>
Periodicity	yearly recurring course
Language of instruction	English
Comment	The deadline for deregistering expires at the end of the second week of the semester. Students who are still registered after that date, but do not attend the seminar, will officially fail the seminar.

Courses	<a href="#">Catalogue data</a>	<a href="#">Performance assessment</a>	<a href="#">Learning materials</a>	<a href="#">Groups</a>	<a href="#">Restrictions</a>	<a href="#">Offered in</a>	<a href="#">» Overview</a>
Number	Title				Hours		Lecturers
252-4102-00 S	Seminar on Randomized Algorithms and Probabilistic Methods				2 hrs	<a href="#">Tue 16:15-18:00 CAB G 56 »</a>	<a href="#">A. Steger</a>

→ read the entire description carefully

# Examinations webinar

You will receive an **email with a link to a webinar** from the ETH Student Exchange Office and Examinations Office where you get more information about

- registration / deregistration
- how to manage your exam schedule
- how to reschedule session exams
- how to organize distance examinations
- etc.

In the meantime: see the **video** on [www.ethz.ch/how-to-eth](https://www.ethz.ch/how-to-eth)

# Grading system

<b>6</b>	excellent
<b>5</b>	good
<b>4</b>	pass
<b>3</b>	poor
<b>2</b>	extremely poor
<b>1</b>	not measurable

- **Pass:** grade  $\geq 4$
- **Fail:** grade  $< 4$
- Resolution for individual grades: 0.25

## Repetition of exams

Every examination or project can be repeated once, but usually only after re-enrolling.



# Transcript of records

Please **request your transcript** once all expected grades are published in myStudies.

→ write an email to [mobility@inf.ethz.ch](mailto:mobility@inf.ethz.ch) and

→ indicate the exact email address(es) the transcript has to be sent to (e.g. yourself and your home institution)

The Study Administration D-INFK will then send the transcript in **PDF format** as soon as possible.

# Confirmation of study period and Learning Agreement

The Student Exchange Office will issue your **Confirmation of study period**.

The study period at ETH Zurich includes exam preparation and exam periods.

Your study plan is not always visible in Mobility-Online, but it is emailed to you as part of the **Learning Agreement** once it has been confirmed.

The Student Exchange Office can grant access to the study plan again for late changes (exam withdrawals, additional project) upon request.

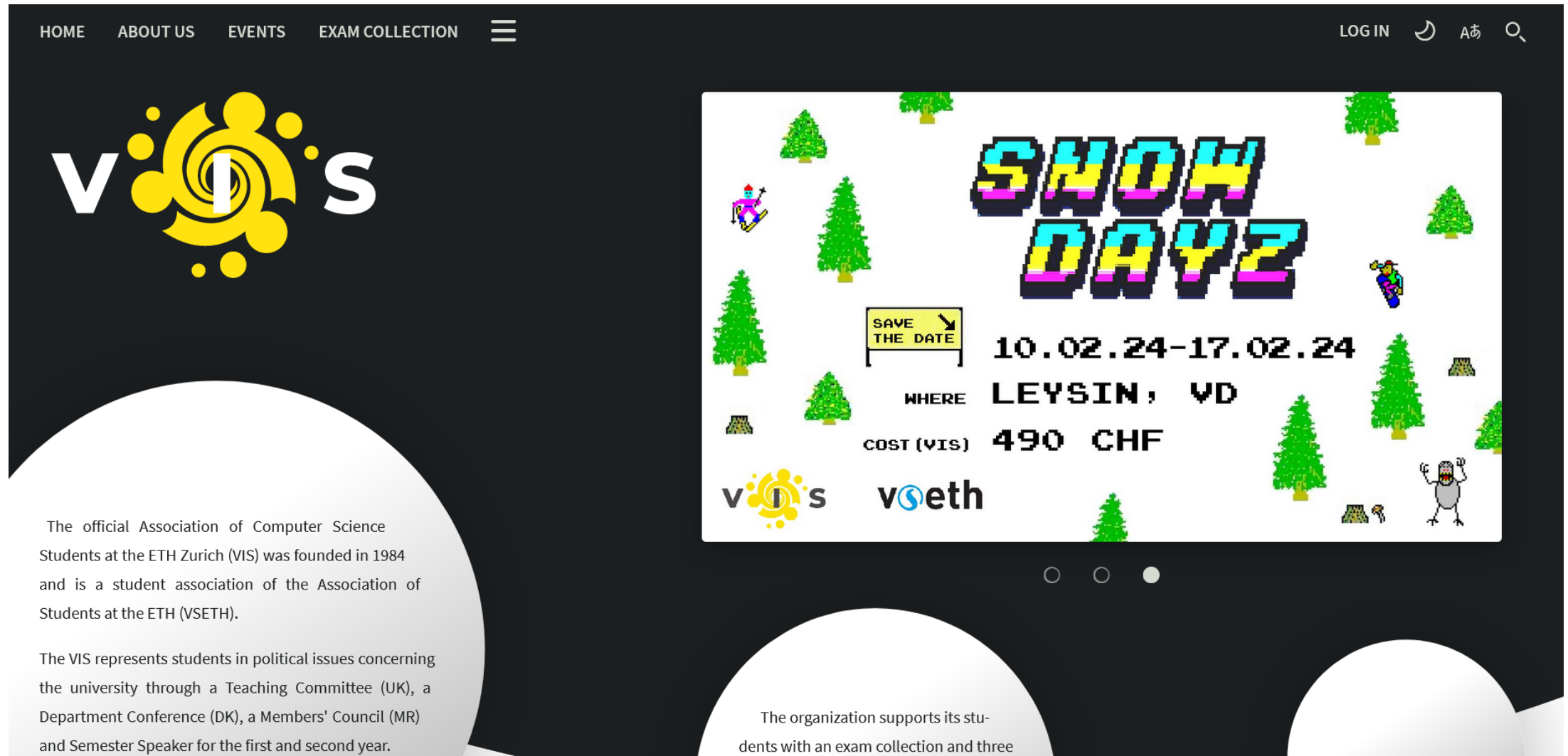
# VIS membership

<https://vis.ethz.ch/en/>

CAB E 31

Mo–Fri, 12.15–13.00

vis at vis.ethz.ch



The screenshot shows the VIS website with a dark blue header containing navigation links: HOME, ABOUT US, EVENTS, EXAM COLLECTION, and a menu icon. On the right, there are links for LOG IN, a refresh icon, a language icon (Aa), and a search icon. The main content area features a large, pixelated graphic for 'SNOW DAYZ' with a date range of 10.02.24–17.02.24, location LEYSIN, VD, and a cost of 490 CHF. The graphic includes a 'SAVE THE DATE' button, a skier, trees, and a character. Logos for VIS and voeth are at the bottom. Below the graphic are three circular icons. On the left, a white circular callout contains text about the VIS association. At the bottom, another white circular callout contains text about student support.

HOME ABOUT US EVENTS EXAM COLLECTION

LOG IN Aa

**VIS**

**SNOW DAYZ**

SAVE THE DATE

10.02.24–17.02.24

WHERE LEYSIN, VD

COST (VIS) 490 CHF

**vis voeth**

The official Association of Computer Science Students at the ETH Zurich (VIS) was founded in 1984 and is a student association of the Association of Students at the ETH (VSETH).

The VIS represents students in political issues concerning the university through a Teaching Committee (UK), a Department Conference (DK), a Members' Council (MR) and Semester Speaker for the first and second year.

The organization supports its students with an exam collection and three

# Exam collection

<https://exams.vis.ethz.ch/>



ABOUT US ▾

EVENTS ▾

SERVICES ▾

Community Solutions

HOME

SCOREBOARD

MORE ▾

SEARCH

ACCOUNT

## Community Solutions

Community Solutions is a platform for students that allows them to share answers of previous exams, comment on answers and upload summaries.

**Please Sign in**

Sign in with AAI

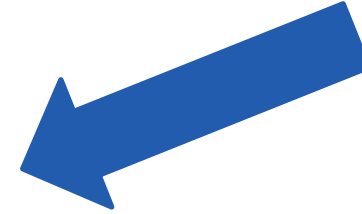
Alphabetical

By Semester



Filter...

# Last advice



Please read your **@student.ethz.ch** emails

respect the **deadlines** for (de)registration for your

- courses
- study plan
- examinations
- etc.

attend **events** and interact with peers



# Questions?

Prof. Dr. Bernd Gärtner & Brigitte Marti  
Departmental Exchange Coordinators D-INFK

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Mo–Thu





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- Short introduction to the Department of Computer Science (D-INFK)
- Information about study plan, research projects, examinations, transcript of records, etc.
- Questions
- **Guided tour by computer science students at 13:15**

**Enjoy your studies at ETH!**