Welcome to the Course Informatik!

at the D-MATH/D-PHYS of ETH Zürich.

Place and time:

Tuesday 13:15 - 15:00, ML D28, ML E12.
Pause 14:00 - 14:15, slight shift possible.

Course web page

http://lec.inf.ethz.ch/ifmp

Team

assistants Max Biegert Marius Gächter
David Graf Sejdiu Haki
Sven Heberle Maximilian Holst
Tobias Klenze Adrian Langenbach
Christoph Müller Benjamin Rothenberger
Felix Richter Tobias Sägesser
David Sommer Matthias Untergassmair
Bhargav Bhatt Sinisa Matetic
Reza Sefidgar Alen Stojanov
Eliza Wszola Marco Guarnieri

lecturer BG

Registration for Exercise Sessions

- Registration via web page
- 14 groups in German, 5 groups in English, one group in Italian
- Registration open today (September 19) from 3:15 p.m.
- All exercise sessions take place in parallel, you only have to watch out for the language!
**Procedure**

- Day 0 (Tuesday): Exercise available with lecture (online), first prediscussion in the exercises
- Day 7 (Tuesday): Discussion of the exercise
- Day 12 (Sonntag): Latest submission of the exercise
- Day 14 (Tuesday): Postdiscussion of the exercise

**Exercises**

- At ETH an exercise certificate is not required in order to subscribe for the exams.
- The solution of the weekly exercises is thus voluntary but *strongly* recommended.
- During the semester we offer weekly programming exercises that are graded. Points achieved will be taken as a bonus to the exam.
- The achieved grade bonus is proportional to the achieved points of all exercise series. Achieving all points corresponds to 1/4 grade.

**Academic integrity**

*Rule:* You only submit solutions that you have written yourself and that you have understood.

We check this (partially automatically) and reserve our rights to invite you to interviews.

Should you be invited to an interview: don’t panic. Primarily we presume your innocence and want to know if you understood what you have submitted.

**On cloud nine...**

- For the exercises, we use a very easy to use online development environment that requires only a browser, internet connection and your ETH login.
- All your drafts and solutions are stored online and accessible from everywhere.
- If you do not have access to a computer: there are a lot of computers publicly accessible at ETH.
Online Tutorial

For a smooth course entry we provide an **online C++ tutorial**
Goal: leveling of the different programming skills.
Written mini test for your **self assessment** in the first exercise session (Tuesday, September 26), no effect on final grade.

Exams

The exam (in the winter or summer examination period 2018) will cover
- Lectures content (lectures, handouts)
- Exercise content (exercise sessions, exercises).

Written exam without any examination adds.
We will test your practical skills (programming skills \(^1\)) and theoretical knowledge (background knowledge, systematics).

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\(^1\)as far as possible in a written exam

Codeboard

**Codeboard** is an online IDE: programming in the browser!

- Bring your laptop / tablet / ... along, if available.
- You can try out examples in class without having to install any tools.

Expert

Our exercise system consists of two independent systems that communicate with each other:

- **The ETH submission system**: Allows us to evaluate your tasks.
- **The online IDE**: The programming environment

\[\text{User} \quad \text{ETH submission system} \quad \text{http://expert.ethz.ch} \quad \text{Login with ETH Credentials} \quad \text{Codeboard.io} \quad \text{http://codeboard.io} \quad \text{Login with Codeboard.io Credentials}\]
Exercise Registration

Codeboard.io Registration
Go to http://codeboard.io and create an account, stay logged in.

Registration for exercises
Go to http://expert.ethz.ch/ifmp17 and inscribe for one of the exercise groups there.

Codeboard.io Login
If you have an account, log in:

Exercise group registration I
Visit http://expert.ethz.ch/ifmp17
Log in with your nethz account.

Codeboard.io Registration
If you do not yet have a Codeboard.io account ...

- We use the online IDE Codeboard.io
- Create an account to store your progress and be able to review submissions later on
- Credentials can be chosen arbitrarily Do not use the ETH password.
Exercise group registration II
Register with this dialog for an exercise group.

The first exercise.
You are now registered and the first exercise is loaded. Follow the instructions in the yellow box.

The first exercise – codeboard.io login
Attention! If you see this message, click on Sign in now and register with your codeboard.io account.

The first exercise – store progress
Attention! Store your progress regularly. So you can continue working at any different location.
The course is designed to be self explanatory.
Skr ipt together with the course Informatik at the D-MATH/D-PHYS department.

Recommended Literature


Course structure developed together with Prof. Bernd Gärtner
Skr ipt from Prof. Bernd Gärtner.