ETH zürich

Ralf Sasse, Felix Friedrich

Computer Science

Course at D-MATH/D-PHYS at ETH Zurich

Autumn 2021

Welcome

to the Course Informatik

at the MATH/PHYS departement of ETH Zürich.

Place and time:

Tuesday 14:15 - 16:00, HG F 7 und HG F 5 (Video).
Pause 15:00 - 15:15, slight shift possible.

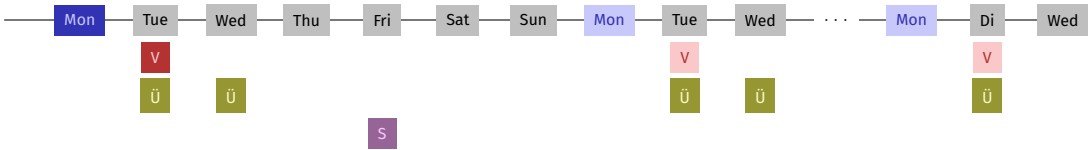
Course web page

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

Team

chef assistant	Vytautas Astrauskas	
assistants	Elas Achler	Manuel Braunschweiler
	Andrey Bryutkin	Tiziano De Matteis
	Wiona Sophie Glänzer	Keanu Gleixner
	Pia Herkenrath	Manuel Kansy
	Han-Miru Kim	Hrvoje Krizic
	Damian Manetsch	Manuel Mekkattu
	Julia Meng	Christopher Otto
	Henry Raymond	Börge Scheel
	Seyed Sefidgar	Jean-Pierre Smith
	Jérémie Stroschein	Sverrir Thorgeirsson
	Vania Vicenzi	Eliza Wszola
lecturers	Dr. Ralf Sasse	Dr. Felix Friedrich

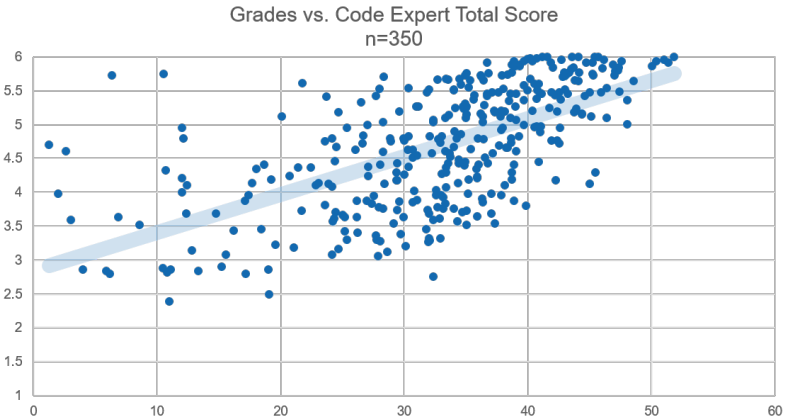
Procedure



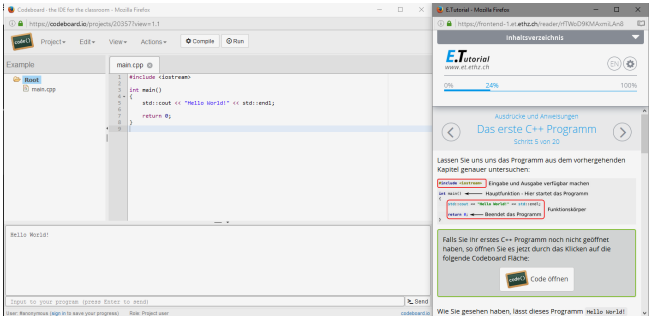
- Exercises available on Monday morning (online)
- Lecture on Tuesday
- Preliminary discussion in the following exercise session (on Tuesday/Wendesday)
- StudyCenter (`studycenter.ethz.ch`)
- Solution must be submitted at latest on Monday in the following week (18:00h)
- Discussion of the exercise in the session one week after the submission. Feedback will be provided in the week after the submission.

Exercises

- The solution of the weekly exercises is thus voluntary but stronly recommended.



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 second exercise session.
$\Rightarrow$ work throught the tutorial until next week

Exams

The exam will cover

- Lectures content (lectures, handouts)
- Exercise content (exercise sessions, exercises).

Written exam at the computer.
We will test your practical skills (programming skills) and theoretical knowledge (background knowledge, systematics).

Offer (VVZ)

- During the semester we offer weekly programming exercises that are graded. Points achieved will be taken as a bonus to the exam.
- The bonus is proportional to the score achieved in specially marked bonus tasks, where a full score equals a bonus of 0.25. The admission to specially marked bonus depends on the successful completion of other exercises. The achieved mark bonus expires as soon as the lecture is given anew.

Offer (Concretely)

- 3 bonus exercises in total; 2/3 of the points suffice for the exam bonus of 0.25 marks
- You can, e.g. fully solve 2 bonus exercises, or solve 3 bonus exercises to 66% each, or ...
- Bonus exercises must be unlocked ($\rightarrow$ experience points) by successfully completing the weekly exercises
- It is again not necessary to solve all weekly exercises completely in order to unlock a bonus exercise
- Details: course website, exercise sessions, online exercise system (Code Expert)

Academic integrity

We encourage you explicitly to discuss solution ideas and approaches with your colleagues. Teamwork is important, also in computer science. It is, however, also important that you learn actively and do not only reproduce. Therefore:

Rules

You submit only solutions that you have written yourself and that you have understood. Copy-paste is not erlaubt, neither are team implementations.

Credits

- Lecture:
  - Original version by Prof. B. Gärtner and Dr. F. Friedrich
  - With changes from Dr. F. Friedrich, Dr. H. Lehner, Dr. M. Schwerhoff
- Script: Prof. B. Gärtner
- Code Expert: Dr. H. Lehner, David Avanthay and others