Informatik I

Vorlesung am D-ITET der ETH Zürich

Felix Friedrich

HS 2017

Welcome

to the Course Informatik I ! at the ITET departement of ETH Zürich.

Place and time:

Wednesday 8:15 - 10:00, ETF E1. Pause 9:00 - 9:15, slight shift possible.

Course web page

http://lec.inf.ethz.ch/itet/informatik1

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Team			Recitation Session Registry
chef assistant assistants	Martin Bättig Ivana Unkovic Hossein Shafagh Christoph Amevor Michael Prasthofer Patrik Hadorn Robin Worreby Christelle Gloor Alessio Bähler	Francois Serre Marc Bitterli Temmy Bounedjar Sean Bone Nathaneal Köhler Alexander Hedges Yvan Bosshard	 Registration via web page http://echo.ethz.ch Works only when enrolled for this course via myStudies. Available rooms depend on the course of studies.

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lecturer

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- Exercises availabe at lectures.
- Preliminary discussion in the following recitation session
- Solution of the exercise until the day before the next recitation session.
- Dicussion of the exercise in the next recitation session.

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 *stronly* recommended.

No lacking resources!

For the exercises we use an online development environment that requires only a browser, internet connection and your ETH login.

If you do not have access to a computer: there are a 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 recitation session.

Offer

The exam (in 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 skills¹) and theoretical knowledge (background knowledge, systematics).

- 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.

¹as far as possible in a written exam

Academic integrity

Rule: You 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. Primary we presume your innocence and want to know if you understood what you have submitted.

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.



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Expert

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



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/ifee1y17e01t1 and inscribe for one of the exercise groups there.

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Codeboard.io Registration

If you do not yet have an Codeboard.io account ...

	Explore	Docs	Sign in	Sign up
Sign up				
Username*				
whatever you v	vant			
Email*				
eth or private e	mail address			
Password*				
Confirm passwo	ord*			
Create accoun	1			

- 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 chose arbitrarily Do not use the ETH password.

Codeboard.io Login

If you have an account, log in:



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Exercise group registration I

- Visit http://expert.ethz.ch/ifee1y17e01t1
- Log in with your nethz account.



Exercise group registration II

Register with this dialog for an exercise group.



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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 you **codeboard.io** account.



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The first exercise – store progress

Attention! Store your progress regularly. So you can continue working at any different location.

code ()	Project -	Edit -	View-			
Velcom Roi S	Add file Add folder Rename fi	le/folder				
ا t آ	Delete file/folder					
i ⊂	Hide/Unhide file					
🖹 c	Save char	Save changes				
	Share proj	ect				
_	Exit projec	t				
This will	display t	he output.				

Literature

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- The course is designed to be self explanatory.
- Skript together with the course Informatik at the D-MATH/D-PHYS department.
- Recommended Literature
 - B. Stroustrup. *Einführung in die Programmierung mit C++*, Pearson Studium, 2010.
 - B. Stroustrup, *The C++ Programming Language* (4th Edition) Addison-Wesley, 2013.
 - A. Koenig, B.E. Moo, *Accelerated C++*, Adddison Wesley, 2000.
 - B. Stroustrup, *The design and evolution of C++*, Addison-Wesley, 1994.

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Credits

Course structure developed together with Prof. Bernd Gärtner

Skript from Prof. Bernd Gärtner.