

# Programmieren 1

## Auditorium Exercise 1

# Personen

## ■ Vorlesung

Prof. Dr. Michael Rohs



## ■ Übung

Tim Dünke, M.Sc.

Jan Feuchter, M.Sc.



## ■ Tutoren

Julian Helmsen

Alexandro Steinert

Viktor Boos

Jan Dukart

Lukas Nolting

Jan Habe

Yazan Alkhatib

Sebastian Knackstedt

Efe Erdal

Felix Plamper

Niklas Rabe

Finn Reeger

Bircan Sahin

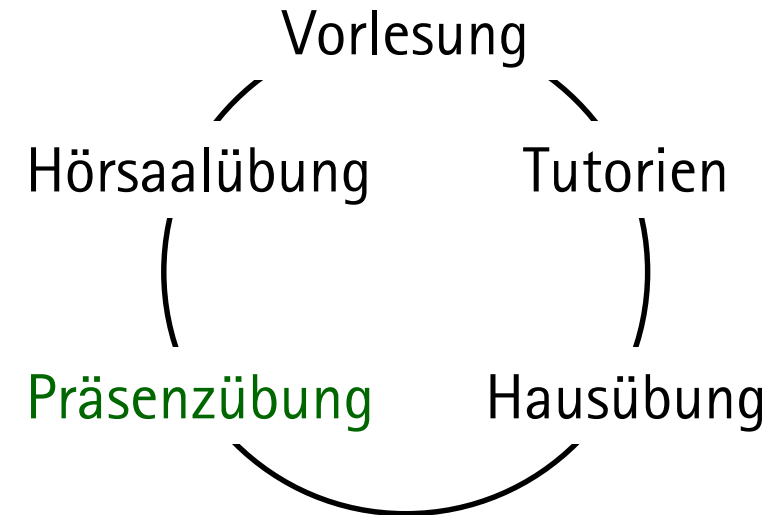
Bastian Schmidt

Kevin Schumann

Benjamin Simon

Patrick Bastek

Leo Thern



# Webseite und Stud.IP

- Webseite
  - <https://www.hci.uni-hannover.de/en/lehre/lehveranstaltungen/winter-2022/programmieren-1>
- Stud.IP
  - <https://studip.uni-hannover.de>
  - Aufzeichnungen von Vorlesung (eLearning Service, elsa)
  - Folien, Übungsblätter
  - Diskussionsforum
- Abgabe der Übungen
  - <https://assignments.hci.uni-hannover.de>

# Gasthörerende und Juniorstudierende

- Für die Teilnahme an der Übung ist ein StudIP Account sowie ein WebSSO Zugang notwendig
- Juniorstudierende wenden sich an Swantje Ludwig:
  - [ludwig@unikik.uni-hannover.de](mailto:ludwig@unikik.uni-hannover.de)
  - Tel. +49 511 762 3682
- Gasthörerende wenden sich an das Gasthörendenbüro
  - [info@ghs.uni-hannover.de](mailto:info@ghs.uni-hannover.de)
  - Tel. +49 511 762 5687

# Gasthörerende und Juniorstudierende

- Sollte es nicht möglich sein einen WebSSO Zugang zu erhalten, dann Email an [programmieren1@hci.uni-hannover.de](mailto:programmieren1@hci.uni-hannover.de)
- Abgaben erfolgen dann auch per Email fristgerecht an [programmieren1@hci.uni-hannover.de](mailto:programmieren1@hci.uni-hannover.de)

# Passing Programmieren 1


- erfolgreiche Teilnahme an der Klausur → Prüfungsleistung
  - unbenotet, 90 Minuten
  - Termin in der vorlesungsfreien Zeit
  - Programmieraufgaben (nur C)
  - Bonus: eine Aufgabe darf weggelassen werden
- erfolgreiche Teilnahme an der Hausübung → Studienleistung
  - jede Hausübung muss im Zweierteam mit Tutor besprochen worden sein
  - jede Hausübung muss mit mindestens einem Punkt bewertet worden sein



5 CP

# HAUSÜBUNG

# Process Overview

- One assignment per week (12 assignments):
  - Handed out on Friday
  - Solve in teams of two, submit via assignment system
    - Send it in by Thursday the week after (23:59)
  - Go to TA hour the week later to show the TA your solution and get feedback
  - Assignments only count if presented to your TA!
  - Your TA will grade your assignment (0 to 2 points)
-  You need at least one point in each assignment to successfully pass the assignments part of Programmieren 1



# Assignment Grading

- 0 points, if you don't do anything or no decent attempt at the assignment is made
- 1 point, if you properly solve at least one complete task (including all subtasks) from the assignment
- 2 points, if you complete all tasks in the assignment properly
- One point in every single assignment? -> you pass
- At least 21 points overall? -> in addition, you also get a bonus in the exam
  - Bonus applies only to the exams in WS 22/23 and SS 23. Not valid afterwards.

# Working on Assignments in Groups

- Form groups of two
  - Group members need to be in same TA slot!
- Should one of you quit, try to regroup (your TA helps you)
- Both of you upload the solution of the group
- Both of you must go to your TA hour the week later to show the TA your solution and get feedback

# Joker

- If one of you can't make it to a TA meeting, your partner can go alone and stand-in for you (costs one joker)
- Should a stand-in not work because you both get sick or you have no team partner: check with your TA to work something out
  - This also costs a joker and assignment still has to be presented the week after
- one joker for any reason
  - e.g. you forgot the appointment with your tutor
- two additional jokers for a good reason e.g. illness:
  - we need some certificate (e.g. a sick note from your doctor)
- In total it is possible to miss 3 tutorials (absence of 25%)

# Plagiarism & Cheating



- Your team has to submit its *own unique version* of the assignment
- We will check this for all assignments at the end of the semester
- **Q:** What happens if we find two assignments from different groups that are significantly the same?  
**A:** You get disqualified for cheating.

**Last year we disqualified 35 students for plagiarism!**

# Handing in Assignments

- Do it by Thursday evening 23:59
  - <https://assignments.hci.uni-hannover.de/>
  - Later submissions will not be accepted
- Both group members have to submit the same assignment separately, using their own accounts
  - If one of you fails to submit the assignment it will cost a joker
- Submit early! You can resubmit if you solve more tasks
- Do *NOT* send your assignment to me or your TA directly
- For text we only accept pdf documents
- Bundle everything: hand in **only one zip file**
- **Attention:**
  - Due to limitations of the zip file format there can be issues with file and folder names containing non-ASCII characters (ä, ö, €, ㄨ, ㄩ, 齊, ㊄, ...). Be sure to stick to a basic character set.

# Forgot to Upload?

- Possible to resubmit, but costs a joker and you have to follow the below rules:
  - Within one week after the deadline, write an Email to [programmieren1@hci.uni-hannover.de](mailto:programmieren1@hci.uni-hannover.de)
  - The email must contain your name, your assignment solution and the information about your tutorial (number, tutor name, date and time)
  - you have a joker

# TA / Tutorial Slots

## Room F411

### Monday

- 12.00 – 13.00 3 slots
- 13.00 – 14.00 4 slots
- 14.00 – 15.00 3 slots
- 15.00 – 16.00 3 slots
- 16.00 – 17.00 2 slots

### Tuesday

- 10.00 – 11.00 3 slots
- 11.00 – 12.00 4 slots
- 12.00 – 13.00 3 slots
- 13.00 – 14.00 2 slots
- 14.00 – 15.00 2 slots
- 15.00 – 16.00 2 slots

### Wednesday

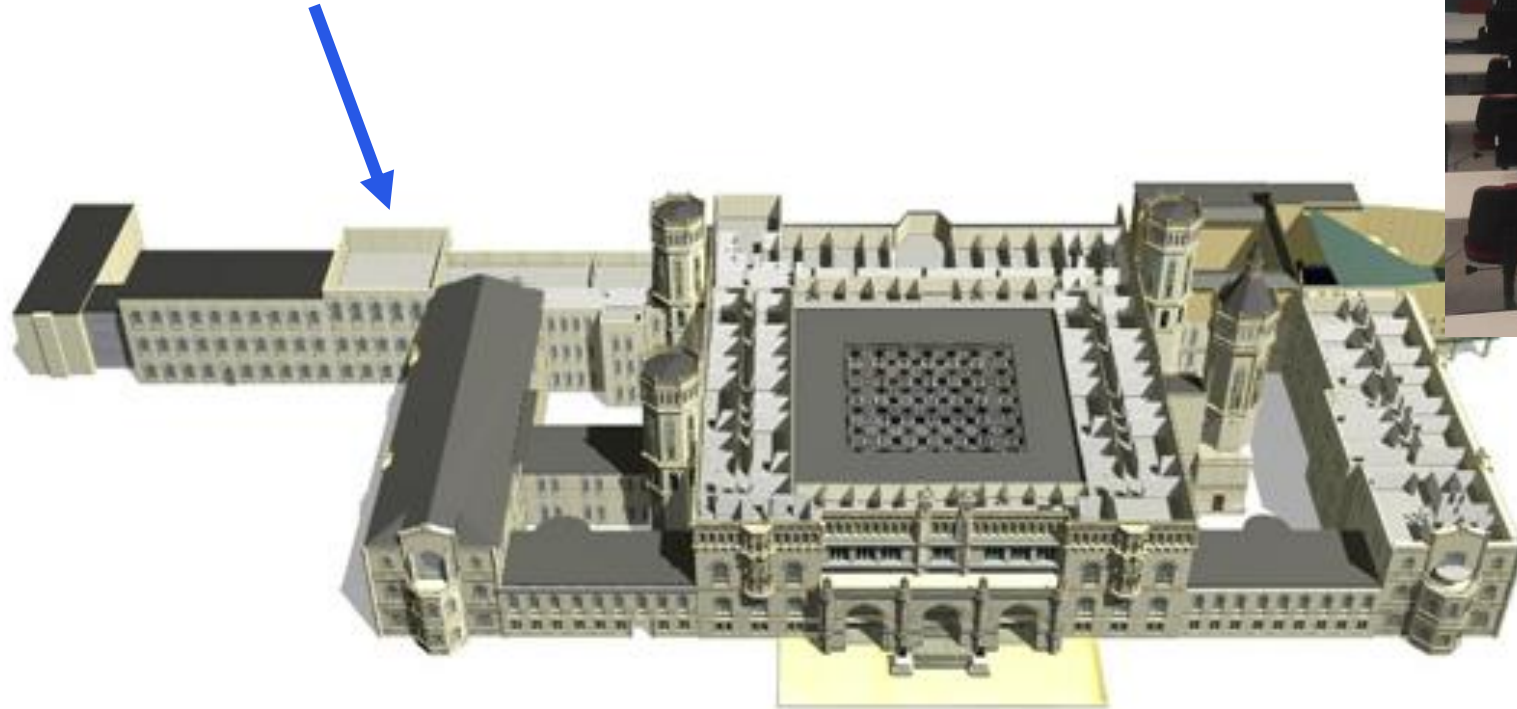
- 10.00 – 11.00 6 slots
- 11.00 – 12.00 5 slots

### Thursday

- 13.00 – 14.00 4 slots
- 14.00 – 15.00 4 slots
- 15.00 – 16.00 2 slots

# Offline Presentation of your Home Assignment

- Room F411

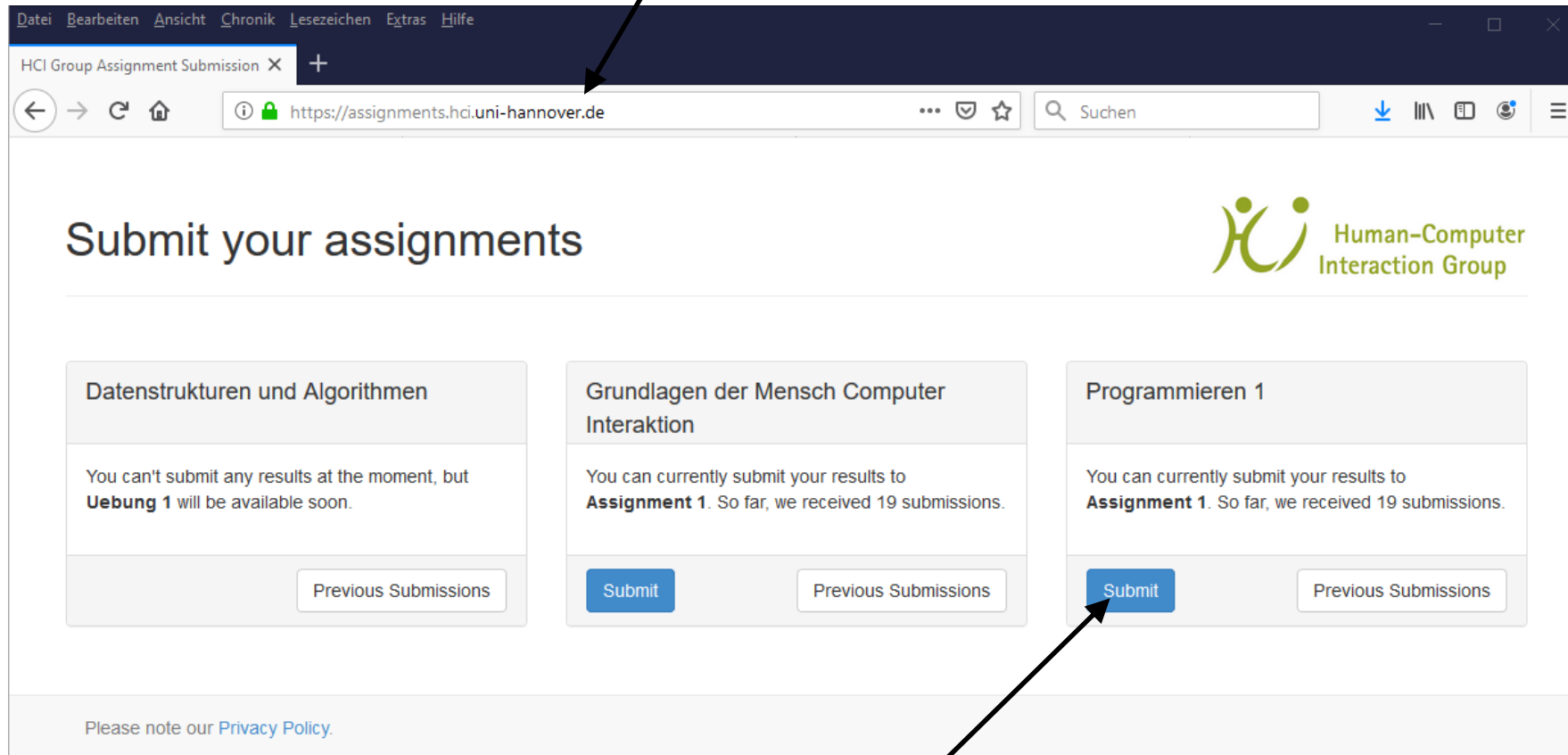


- Your TAs can unlock the door




# Handing in Assignments

Step 1: go to <https://assignments.hci.uni-hannover.de>



Step 2: Select your course and click its submit button

# Handing in Assignments

 [zur zentralen Website](#) [Kontakt](#)

Leibniz Universität IT Services

[WebSSO Login Service](#)

### WebSSO Login Service

Anmelden bei Upload-Tool Human-Computer Interaction

Benutzername

Passwort

☐ Anmeldung nicht speichern

☐ Zustimmung zur Datenübermittlung für den Dienst aufheben.

[Anmelden](#)

Tool zum Hochladen von bearbeiteten Übungen

- [Passwort vergessen?](#)
- [Sie benötigen Hilfe?](#)

So erreichen Sie uns

[Kontakt](#)

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Step 3: Log in via WebSSO,  
confirm data sharing in  
next step

# Handing in Assignments

## Programmieren 1: Assignment 1

Firstname: Tim

Lastname: Dürnte

E-Mail: t.duernte@example.com

Optional: Please fill out the survey to give **anonymous** feedback

	Disagree			Neutral			Strongly agree	Undecided
The assignment was easy to solve.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
I learned a lot while doing the assignment.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
The assignment was fun to work on.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
The assignment went along nicely with the lecture.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

In total I spent about  hours working on the assignment.

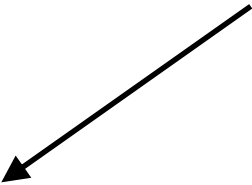
no \*.zip file selected

Choose File

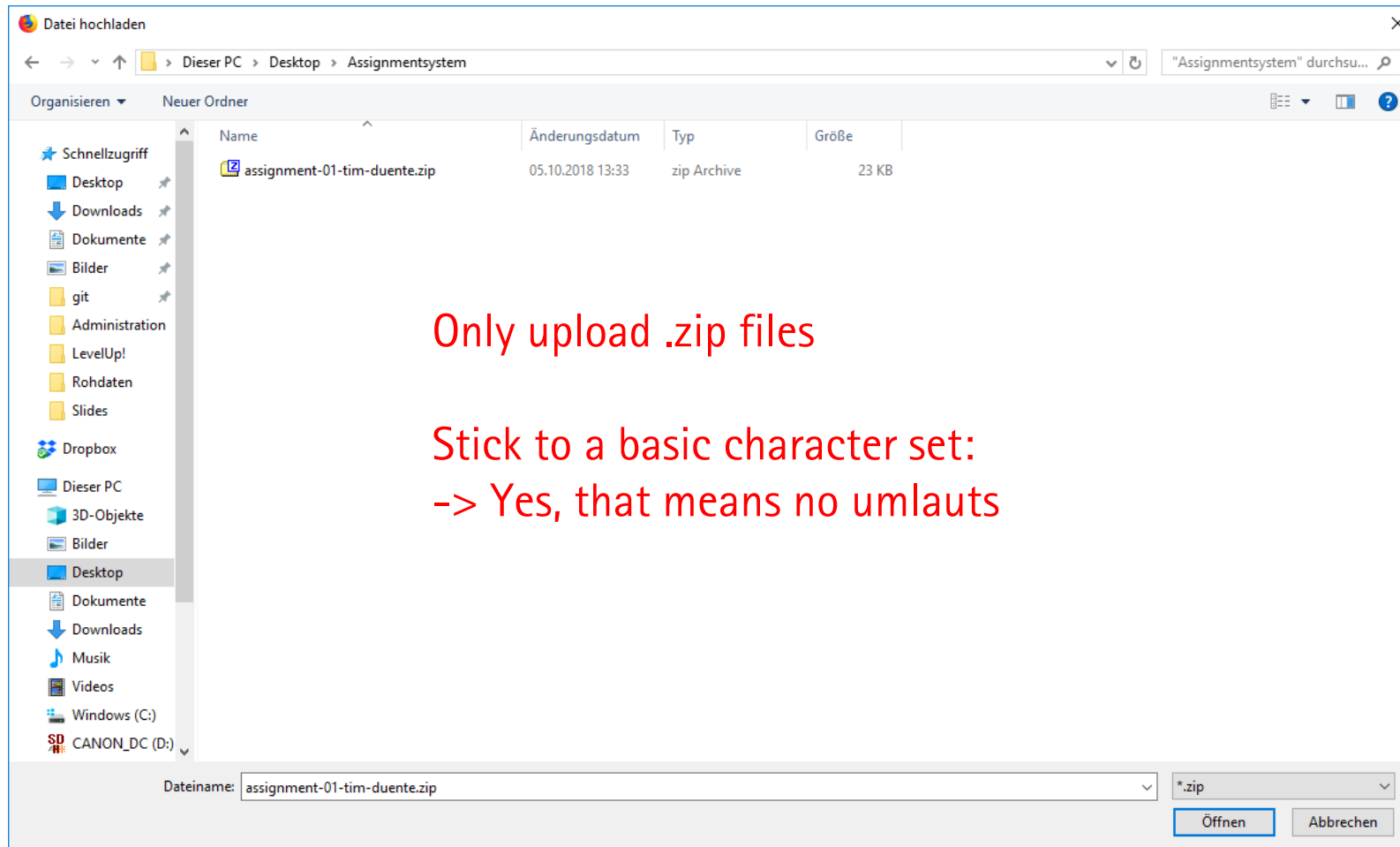
Submit

optional feedback

Step 4: Click to add your single zip file



# Handing in Assignments



# Handing in Assignments

## Programmieren 1: Assignment 1

Firstname: Tim  
 Lastname: Dünte  
 E-Mail: t.duente@example.com

Optional: Please fill out the survey to give **anonymous** feedback

	Strongly disagree			Neutral			Strongly agree	Undecided
The assignment was easy to solve.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
I learned a lot while doing the assignment.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
The assignment was fun to work on.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
The assignment went along nicely with the lecture.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

In total I spent about  hours working on the assignment.

Step 5: Check whether your file was added properly

assignment-01-tim-duente.zip

Choose File


Submit

Step 6: Press this awesome button

# Handing in Assignments

## Programmieren 1

List of all results:

Assignment	Upload Date	Status	Download
Assignment 1	05. October 2018 13:43:39	✓	

You achieved **0** points in total.

Please choose a tutorial:

	Tutorial-ID	Load	Time	Location
<a href="#">Choose &gt;</a>	1	3/10	Wednesday 13:00 Uhr	F411
<a href="#">Choose &gt;</a>	2	0/10	Wednesday 15:00 Uhr	F411


[Logout](#)

Step 7: If everything worked you can pick a tutorial slot (only the first time)

# Handing in Assignments

# Programmieren

List of all results:

Assignment	Time	Status	Download
Assignment 1	05. October 2018 13:43:39	✓	

You achieved 0 points in total.

Please choose a tutorial:

	Tutorial-ID	Load	Time	Location
<a href="#">Choose &gt;</a>	1	3/10	Wednesday 13:00 Uhr	F411
<a href="#">Choose &gt;</a>	2	0/10	Wednesday 15:00 Uhr	F411

[Logout](#)

This choice is important. **You can't change it later.**

You are going to choose this tutorial and present all your assignments in it. So be sure that you want to choose this tutorial. **You can't change it later.**

Sincerely,  
Your Human-Computer Interaction Group


[Cancel](#) [Ok](#)

# Handing in Assignments

## Programmieren 1

Download your submission to check whether it was the correct one

List of all results:

Assignment	Upload Date	Status	Download
Assignment 1	05. October 2018 13:44:57	✓	

You achieved 0 points in total.

Please present your work to your tutor:

#	Time	Location	Tutor
1	Wednesday 13:00 Uhr	F411	Manuel Mustertutor

Close


Logout



# Handing in Assignments

## Programmieren 1

List of all results:

Assignment	Upload Date	Status	Download
Assignment 1	05. October 2018 13:44:57	✓	

You achieved **0** points in total.

Please present your work to your tutor:

#	Time	Location	Tutor
1	Wednesday 13:00 Uhr	F411	Manuel Mustertutor

Close

 Logout

All done!

# Handing in Assignments

## Programmieren 1: Assignment 1

Firstname: Tim  
 Lastname: Dunte  
 E-Mail: t.dunte@example.com

Optional: Please fill out the survey to give **anonymous** feedback

	Strongly disagree			Neutral			Strongly agree	Undecided
The assignment was easy to solve.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
I learned a lot while doing the assignment.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
The assignment was fun to work on.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
The assignment went along nicely with the lecture.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

In total I spent about  hours working on the assignment.

no \*.zip file selected

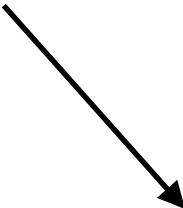
Choose File

Submit

View previous Submissions

Logout

After your first submission it is possible to check your previous submissions




# Handing in Assignments

Download your submission to check whether it was the correct one

## Programmieren 1

List of all results:

Assignment	Upload Date	Status	Download
Assignment 1	05. October 2018 13:44:57	✓	

You achieved 0 points in total.

Please present your work to your tutor:

#	Time	Location	Tutor
1	Wednesday 13:00 Uhr	F411	Manuel Mustertutor

Close

Logout



# Handing in Assignments

## Programmieren 1: Assignment 1

Firstname: Tim  
 Lastname: Dunte  
 E-Mail: t.dunte@example.com

Optional: Please fill out the survey to give **anonymous** feedback

	Strongly disagree			Neutral			Strongly agree		Undecided
The assignment was easy to solve.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
I learned a lot while doing the assignment.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
The assignment was fun to work on.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
The assignment went along nicely with the lecture.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

In total I spent about  hours working on the assignment.

Also it is possible to resubmit. The last upload is overwritten.

no \*.zip file selected

Choose File

Submit

View previous Submissions

Logout

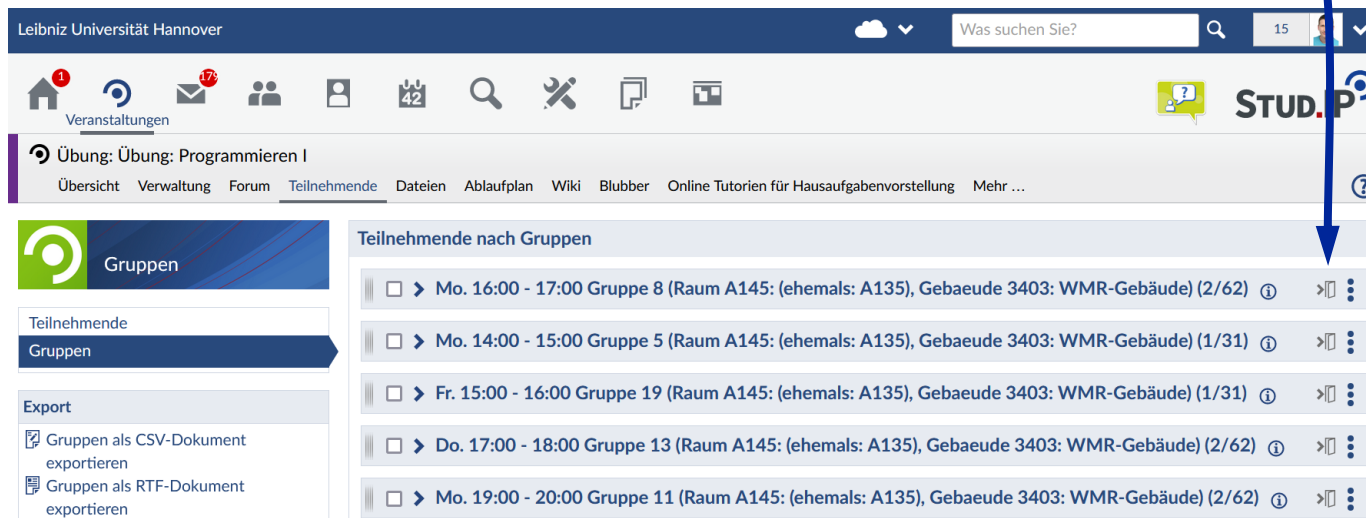
# PRÄSENZÜBUNG

# Präsenzübung

- wöchentlich, nicht verpflichtend
- Übungsblätter lösen und die Lösung mit dem Tutor besprechen (circa 3 – 4 kleinere Aufgaben)
- Lösung auf Papier oder am eigenen Laptop
- Einstreuung von Klausuraufgaben im späteren Verlauf der Präsenzübung
- Durch aktive Teilnahme an den Präsenzübungen können bis zu **2 Bonuspunkte** (anwendbar für den Klausurbonus) erzielt werden
  - 1 Bonuspunkt für einen sinnvollen Beitrag in einer der ersten 6 Präsenzübungen (1 – 6)
  - 1 Bonuspunkt für einen sinnvollen Beitrag in einer der folgenden 6 Präsenzübungen (7 – 12)

# Präsenzübung

- Start ab heute den 14.10.
- Eintragung über StudIP
- Termine siehe StudIP



Leibniz Universität Hannover

Was suchen Sie?

15

Veranstaltungen

Übung: Übung: Programmieren I

Übersicht Verwaltung Forum **Teilnehmende** Dateien Ablaufplan Wiki Blubber Online Tutorien für Hausaufgabenvorstellung Mehr ...

Gruppen

Teilnehmende

Gruppen

Export

- Gruppen als CSV-Dokument exportieren
- Gruppen als RTF-Dokument exportieren

Teilnehmende nach Gruppen

- Mo. 16:00 - 17:00 Gruppe 8 (Raum A145: (ehemals: A135), Gebaeude 3403: WMR-Gebäude) (2/62)
- Mo. 14:00 - 15:00 Gruppe 5 (Raum A145: (ehemals: A135), Gebaeude 3403: WMR-Gebäude) (1/31)
- Fr. 15:00 - 16:00 Gruppe 19 (Raum A145: (ehemals: A135), Gebaeude 3403: WMR-Gebäude) (1/31)
- Do. 17:00 - 18:00 Gruppe 13 (Raum A145: (ehemals: A135), Gebaeude 3403: WMR-Gebäude) (2/62)
- Mo. 19:00 - 20:00 Gruppe 11 (Raum A145: (ehemals: A135), Gebaeude 3403: WMR-Gebäude) (2/62)

## Raum 3403.001.A145

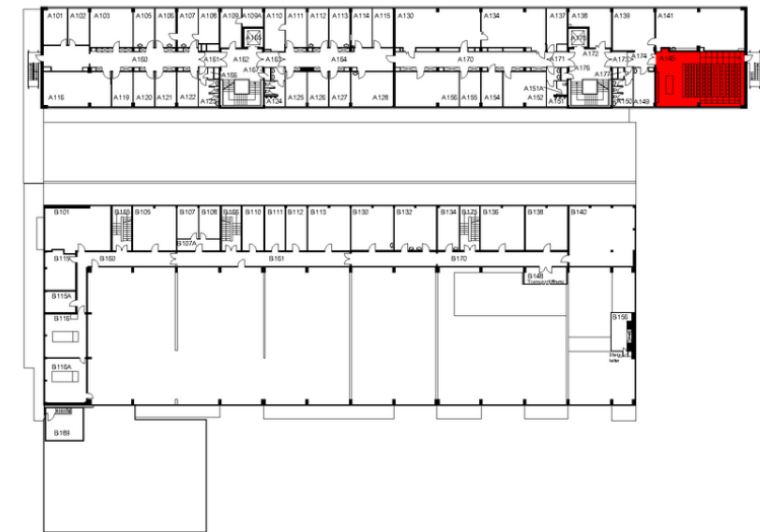
### Gebäude 3403 (WMR-Gebäude)

Appelstraße 11/11a

30167 Hannover

## Lageplan

### 1. Stockwerk



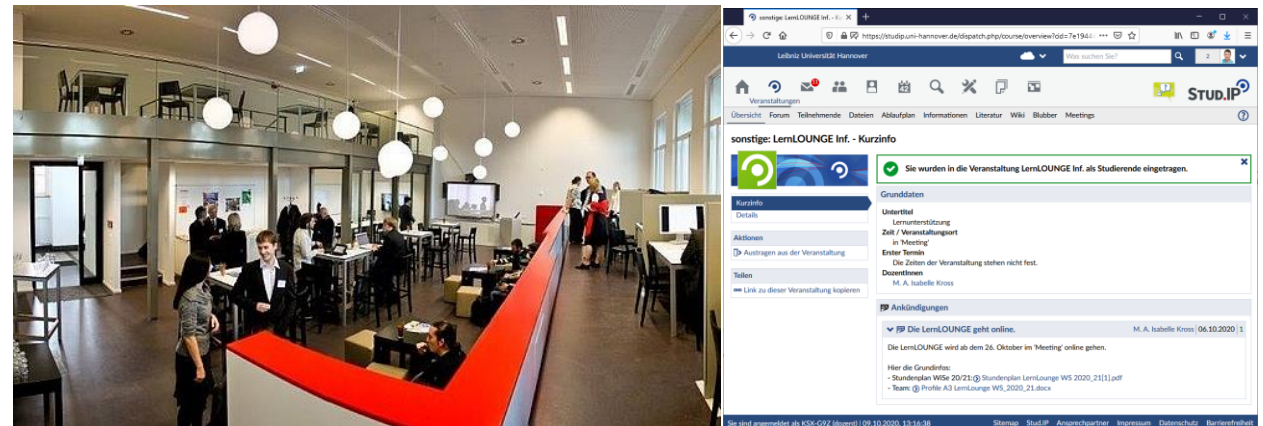
<https://info.cafm.uni-hannover.de/room/3403.001.A145>

# ADDITIONAL HELP



# LernLOUNGE – Konzept

- Unterstützung von Studierenden beim Lernen durch Tutorinnen und Tutoren in der InfoLounge ([F111](#))
- Fachliche Hilfe und Hilfe zum Selbstorganisiertem Lernen
- Unterstützung nach dem Prinzip der minimalen Hilfe, keine Herausgabe von Lösungen
- Fächer Schwerpunkte
  - Programmieren
  - Grundlagen Theoretischer Informatik
  - Analysis / Lineare Algebra
  - ... und Weitere



Weitere Infos auf der [Website](#) oder auf StudIP

Leitung: Inske Preißler, Tel +49 511 762-14188, E-Mail: [inske.preissler@et-inf.uni-hannover.de](mailto:inske.preissler@et-inf.uni-hannover.de)

Zeit	Mo	Di	Mi	Do
10:00 - 10:30				Yannik
10:30 - 11:00		Yannik		Yannik
11:00 - 11:30		Yannik		Yannik
11:30 - 12:00		Yannik		
12:00 - 12:30		Lenard	Lea (online)	
12:30 - 13:00		Lenard	Lea (online)	
13:00 - 13:30		Lenard		
14:00 - 14:30	Lea		Lena	Lenard
14:30 - 15:00	Lea		Lena	Lenard
15:00 - 15:30	Lea		Lena	Lenard
15:30 - 16:00			Lena	Lenard
16:00 - 16:30			Lena	Lenard
16:30 - 17:00			Lena	Lenard
17:30 - 18:00	Lenard (online)			
18:00 - 18:30	Lenard (online)			

**Angebotene Fächer\*****Lena**

- Programmieren
- Grundlagen digitaler Systeme
- Datenstrukturen und Algorithmen
- Grundlagen der Datenbanksysteme

**Lenard**

- Programmieren
- Mathe
- Theoretische Informatik
- Elektrotechnik

**Yannik**

- Programmieren
- Mathe
- Theoretische Informatik
- Maschinelles Lernen

**Lea (LernLOUNGE LSE)**

- Mathematik für Ing.
- Analysis I
- Lineare Algebra I
- Stochastik I
- Geometrie für Lehramt
- Diskrete Strukturen

\*Für alle andere Fächer fragen Sie die Tutor\*innen, ob sie weiter helfen können.

Bitte beachten Sie, dass die Tutor\*innen Ihnen Ansätze aufzeigen oder Sie weiter verweisen – die Lösung müssen Sie selbst finden.

# Assignment 1

- Is available on Stud.IP this afternoon
- The submission system will be open at around 15:00
- Hand it in by Thursday next week (20.10.) 23:59
- Pick a TA / tutorial slot and time when handing in
- Visit your tutorial next week to find a partner and to meet your tutor
- The week after that: present assignment to TA
- Next week here: we'll look at the assignment 1 solution

Good luck and have fun



`programmieren1@hci.uni-hannover.de`