



Human Computer Interaction

Chapter 0: Introduction to the Course

Prof. Dr. Björn Eskofier
Machine Learning & Data Analytics (MaD) Lab
Summer term 2024

Introduction

What are you studying?



Machine Learning
Data Analytics



Please tell us, what you are studying!

www.speedvote.de?go → Q928R1712

<http://speedvote.de/?go&q=Q928R1712>



Introduction

What are you studying?



Machine Learning
Data Analytics



What is your current experience of HCI?

www.speedvote.de?go → Q929R1712

<http://speedvote.de/?go&q=Q929R1712>



Preview:

Subjects and Themes



Machine Learning
Data Analytics



01

Introduction to and the basics of Human Computer Interaction

02

Information processing of humans, perception, motor skills and properties

03

Design principles and models for modern user interfaces and interactive systems

04

In- and output devices, design space for interactive systems

05

Interaction concepts, metaphors, standards, norms and style guides

06

Analysis, design and development methodologies

07

Prototypic implementation of interactive systems

08

Architecture for interactive systems, User Interface Toolkits and components

09

Acceptance, evaluation methods and quality assurance



Organizational Issues



- Inverted Classroom Concept:
 - Self-study of lecture contents (embedded in StudOn)
 - Discussion sessions once a week
- Weekly on **Tuesday: 12:15 – 13:45 AM** (Discussion Session)
- Monday: 12:15 – 13:45 AM **dedicated for Self-Study** except for 2-3 Guest talks (dates tba)
- Lecturer: bjoern.eskofier@fau.de





- **Group projects** complementing the lecture
- **Not Mandatory**
- Starting on the **17th of April**
- **Biweekly** on Wednesday: 14:15 – 15:45 in **H19**

- **Tutors:** Brittany Sommers

Madeleine Flaucher

Syrine Slim



Dates & Topics for Self Study

Lecture

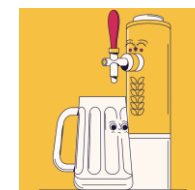


Machine Learning
Data Analytics



- No Discussion Session:

- 21.05. (Bergdienstag)



- Not cast in stone!
Changes are possible

Date	Topic
16.Apr. – 23.Apr.	Introduction, History
22.Apr. – 30.Apr.	Humans I
29.Apr. – 07.Mai.	Humans II
06. Mai. – 14. Mai.	Principles
20. Mai. – 28. Mai.	Models
27. Mai. – 04.Jun.	Evaluation I + II
03.Jun. – 11.Jun.	Evaluation II
10.Jun. – 18.Jun.	Analysis
17.Jun. – 25.Jun.	Prototyping
24.Jun. – 02.Jul.	Technology
01.Jul. – 09.Jul.	Wearable Technology
08.Jul. – 16.Jul.	Virtual Reality
16.Jul.	FAQ / Q&A

Dates & Topics for Self Study

Lecture



Machine Learning
Data Analytics



- First Homework (until 23rd of April):
Introduction and History
- Also indicated on StudOn
(see folder *“Lecture Content”*)

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17.Jun. – 25.Jun.	Prototyping
24.Jun. – 02.Jul.	Technology
01.Jul. – 09.Jul.	Wearable Technology
08.Jul. – 16.Jul.	Virtual Reality
16.Jul.	FAQ / Q&A

Dates & Topics for Self Study

Exercise



Machine Learning
Data Analytics



- Group project throughout the semester
- Pitch in the end of the semester
- Submission to [Student Research Competition](#)
- Not every lecture has an accompanying exercise
- Details will follow in the first exercise!

Date	Topic
17.04.	Discover
01.05.	Holidays
15.05.	Explore I
29.05.	Explore II
12.06.	Explore II
26.06.	Test & Listen
10.07.	PITCH

Summary: HCI as StudOn Course

All necessary information to pass HCI can be found on StudOn!



Machine Learning
Data Analytics



NEUE BLOGBEITRÄGE "Semesterstart mit StudOn" & "Die Digitale Toolbox für die Lehre" unter "Support > StudOn-News"

Magazin > 5. Technische Fakultät > 5.6 AIBE > Lehrstuhl für Maschinelles Lernen und Datenanalytik > Human Computer Interaction [HCI Summer 2024]



Human Computer Interaction [HCI Summer 2024]

Aktionen ▾

Lecture: 3 semester hours; Exercise: 1 semester hour ECTS: 3,75 Lecture + 1,25 Exercise Please note, that due to high registration numbers in this course, we will have to limit the access. Discussion Sessions Lecture: Tue, 12:15-13:45; H20 Discussion Sessions Exercise: Weds, 14:15-15:45; H19

Inhalt Info Einstellungen Mitglieder Lernfortschritt Metadaten Export Voransicht als Mitglied aktivieren >

Zeigen Verwalten Sortieren

Neues Objekt hinzufügen ▾

Seite gestalten

Campo-Verbindung übertragen

Dear students,

we welcome you to the course Human Computer Interaction (HCI). On this page you will find the following information:

- **Instructions:** All relevant information about the course structure and frequently asked questions.
- **Lecture contents:** contains the material you should work through at home before the discussion session. **New chapters go online every Monday.**
- **Exercise contents:** contains all material needed for the exercise. The exercise is not mandatory, but we highly recommend to take an **active** part.
- **Discussion sessions:** We will upload the slides (excluding exam questions) from the discussion sessions. Discussion sessions will not be recorded.
- **Self-Learning: The Monday appointment is meant for self-learning.** No lectures will take place on Mondays, except for some dates (tba) where guest talks will be held.
- **Forum:** Please use the forum as a communication platform if you need help, or have questions or remarks. We will actively support you in the forum in between the discussion sessions.
- **Guest Talks:** There will be a few guest talks from researchers and industry during the semester. We will announce them beforehand. **(Guest talks are exam relevant)**

!! IMPORTANT !!



If you have any questions regarding the HCI course - please use the [HCI-Forum](#) below or write an e-mail to: mad-hci@fau.de
We will not answer questions that are sent to individual e-mail addresses or that are already included in the [FAQ](#).

Kalender

< Apr 2024 >

Mo	Di	Mi	Do	Fr	Sa	So
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Abonnieren



ECTS:

3,75 lecture + 1,25 exercise



SWS:

4 (3 lecture + 1 exercise)



Online exam:

90 minutes



Date:

TBD



Language:

English



Documents:

English

Course material and ideas based on:

[Prof. Dr. Albrecht Schmidt](#)

Ludwig-Maximilians-Universität München

Human-Centered Ubiquitous Media

albrecht.schmidt@ifi.lmu.de





Thanks!