

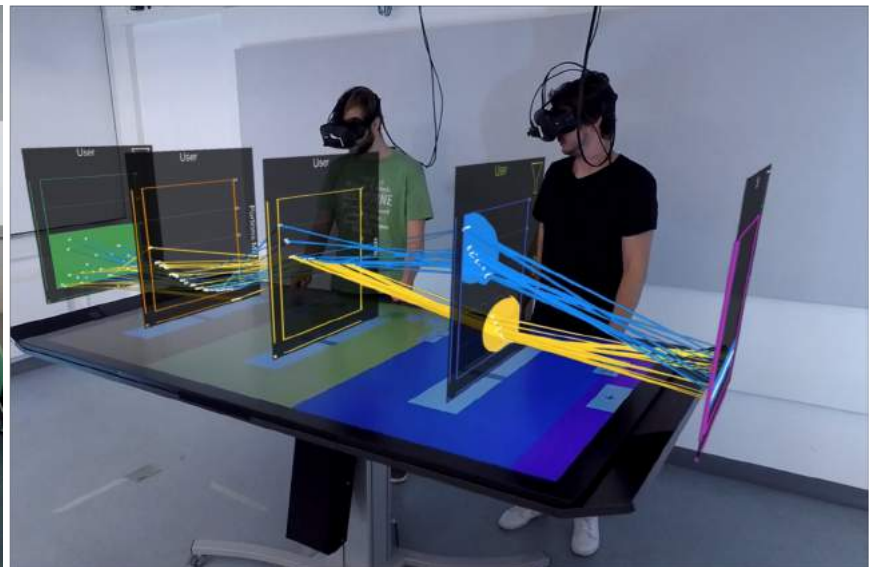
Human-Computer Interaction Group University of Konstanz



Daniel Klinkhammer (in representation of Prof. Reiterer)

October, 17th – Student Information Event

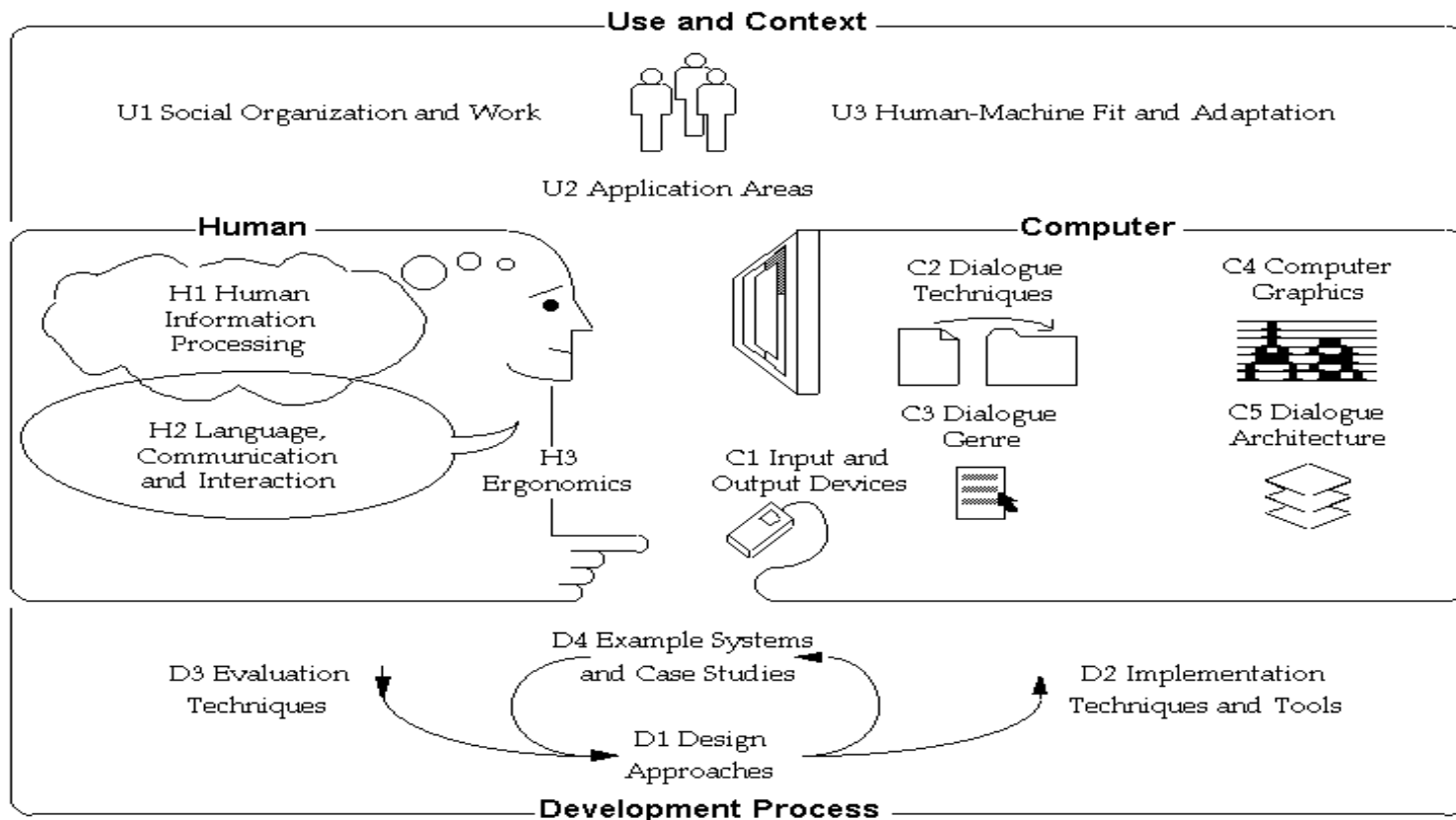
The Human-Computer Interaction Group



The Discipline of Human-Computer Interaction

“**Human-Computer Interaction (HCI)** is a discipline concerned with the design, evaluation and implementation of interactive computing systems for human use and with the study of major phenomena surrounding them.“

[ACM SIGCHI]



[ACM SIGCHI Curricula for Human-Computer Interaction]

The Human-Computer Interaction Group



Mission Statement

Our goal is to develop new concepts to support the interaction between humans and computers that accommodate the characteristics of human interaction and cognition as well as the latest technological developments. We call this novel blending of forms of reality-based interaction and communication with the technological opportunities **Blended Interaction**.

The Human-Computer Interaction Group

Professor



Prof. Dr. Harald Reiterer
Professor

Secretariat

Ingrid Henschler
Building PZ, Room 903
Box D 73

University of Konstanz
Universitätsstraße 10
78457 Konstanz
Germany

Tel.: +49 7531 88 2442

Opening hours: 9 - 12:30
Dates by arrangement

ingrid.henschler@uni-konstanz.de

Research Assistants



Simon Butscher M.Sc.
Research Assistant



Maximilian Dürr
Research Assistant



Daniel Klinkhammer
Research Assistant



Jens Müller M.Sc.
Research Assistant



Dr. Ulrike Pfeil
Research Assistant



Yunlong Wang
External PhD Student



Johannes Zagermann
Research Assistant

Student Assistants



Daniel Bogenrieder
Student assistant



Marcel Borowski
Student assistant



Stefan Feyer
Student assistant



Daniel Immanuel Fink
Student assistant



Carla Gröschel
Student assistant



Sebastian Hubenschmid
Student assistant



Tanveer Singh Mahendra
Student assistant



Lisa-Maria Meyer
Student assistant



Ralf Christian Müller
Student assistant



Moritz Skowronski
Student assistant



Katja Vock
Student assistant



Juliane Wendler
Student assistant

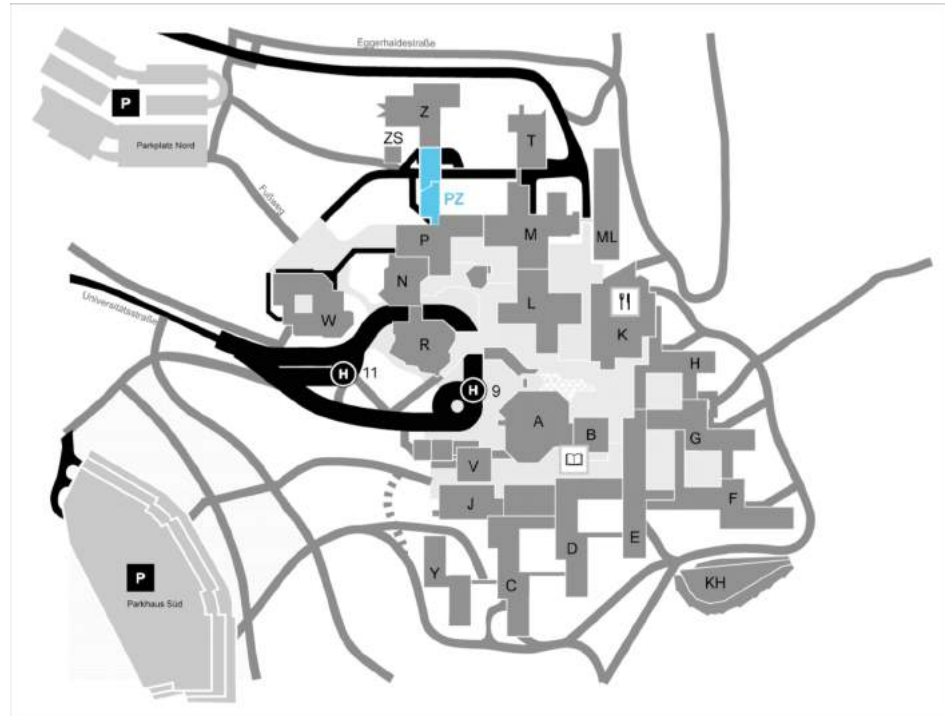


Jonathan Wieland
Student assistant

Where do you find us?



PZ Level 9



Media Room (Z 924)

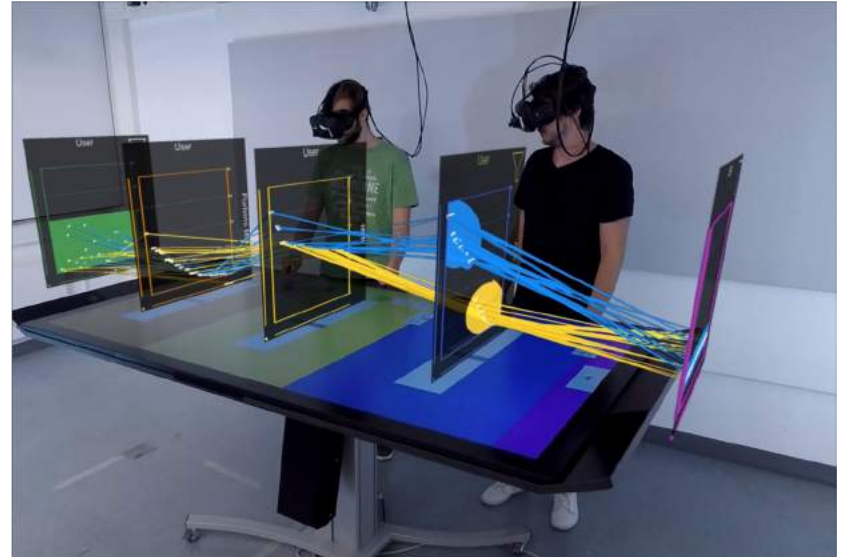


Usability Lab (PZ 908)



Interaction Lab (PZ 907)

Our Labs - Media Room (Z 924):



Media Room

Our Media Room provides a research environment for the design, development, and evaluation of novel interaction techniques and input devices as well as a simulation facility for future collaborative work environments. Therefore, it offers different input (e.g. multi-touch, laserpointer, hand-gestures, body tracking, eye-gaze, speech) and output devices (tablets, tabletops, HD-Wall & vertical-aligned displays, 4K display, audio & tactile feedback, AR & VR Devices) which can be used simultaneously and in combination, creating a new dimension of multi-modal interaction.

Our Labs – Usability Lab (PZ 908):



Usability Lab

The Usability Lab provides an environment for the evaluation of our interaction designs and visualization techniques. It is equipped with high-end testing equipment including (mobile) eyetracking systems. Furthermore, we also use our main lab, the Media Room, as an evaluation environment - for focus groups, controlled experiments of novel input devices, and as a living lab in the context of our research projects.

Our Labs – Interaction Lab (PZ 907):



Interaction Lab

The Interaction Lab provides lab facilities for physical prototyping, sketching and video editing in research and education at the Human-Computer Interaction Group of the University of Konstanz. Students and researchers develop new input and output devices or illustrate novel interaction techniques. The lab provides tools for electrical and mechanical engineering as well as workstations for video editing and interactive design.





Teaching

You will find all relevant information if you want to focus your studies on human-computer interaction on this page: Mentoring programme, current and former lectures, as well as everything regarding your final thesis.

Teaching Overview

Current Lectures

Former Lectures

Mentoring Programme

Theses

Experience reports

Website: <http://hci.uni-konstanz.de>

An event poster for a presentation on October 24th. The poster features a photograph of several people interacting with large, multi-touch digital displays in a modern, brightly lit room. A large blue square in the top left corner contains the date '24 Oct'. Below the photo, the text reads 'Presentation of Bachelor/Master-Project Topics' and '13.30 - 14.30 Z924 (MediaRoom)'.

24 Oct

Presentation of Bachelor/Master-Project Topics

13.30 - 14.30
Z924 (MediaRoom)

Website: <http://hci.uni-konstanz.de>



Research

You will find all relevant information regarding our research on this page: E.g., our research focus, our research projects, or our labs.

Research Focus

Research Projects

Activities

Labs

Awards

Cooperation Partners

Research – Application Areas

Design Studios



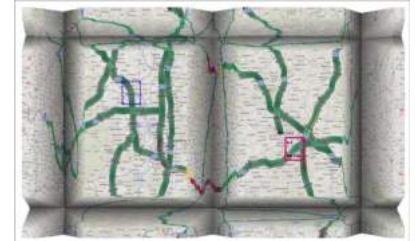
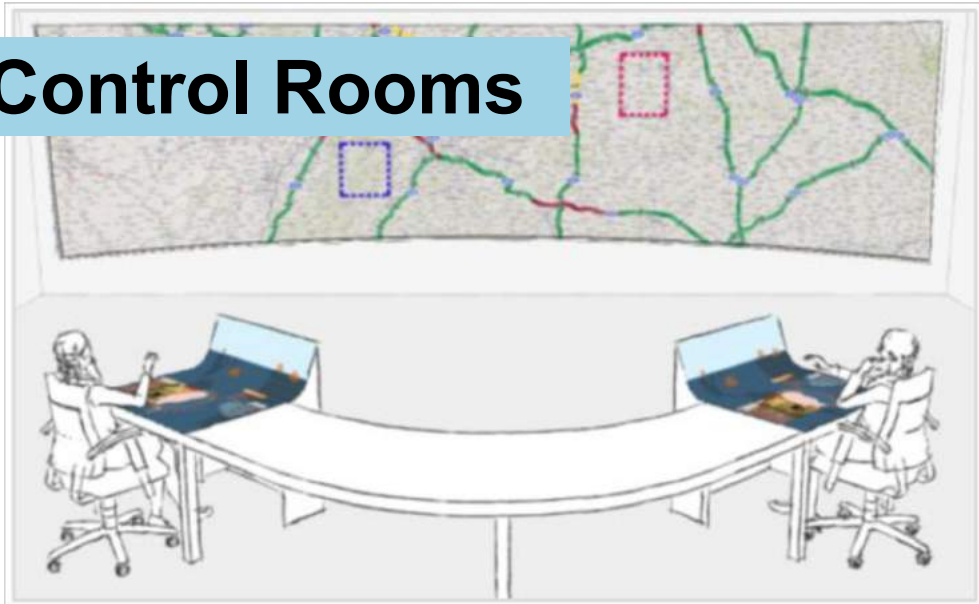
Design Studios

We are designing and implementing visualization and interaction techniques based on a spatial, cross-device workspace that integrates with the physical structure of a computation-augmented design studio setting. Within our lab Media Room we are exploring various settings with interactive whiteboards, pen tablets, digital pen and paper, large high-resolution displays, and tabletops.



Research – Application Areas

Control Rooms



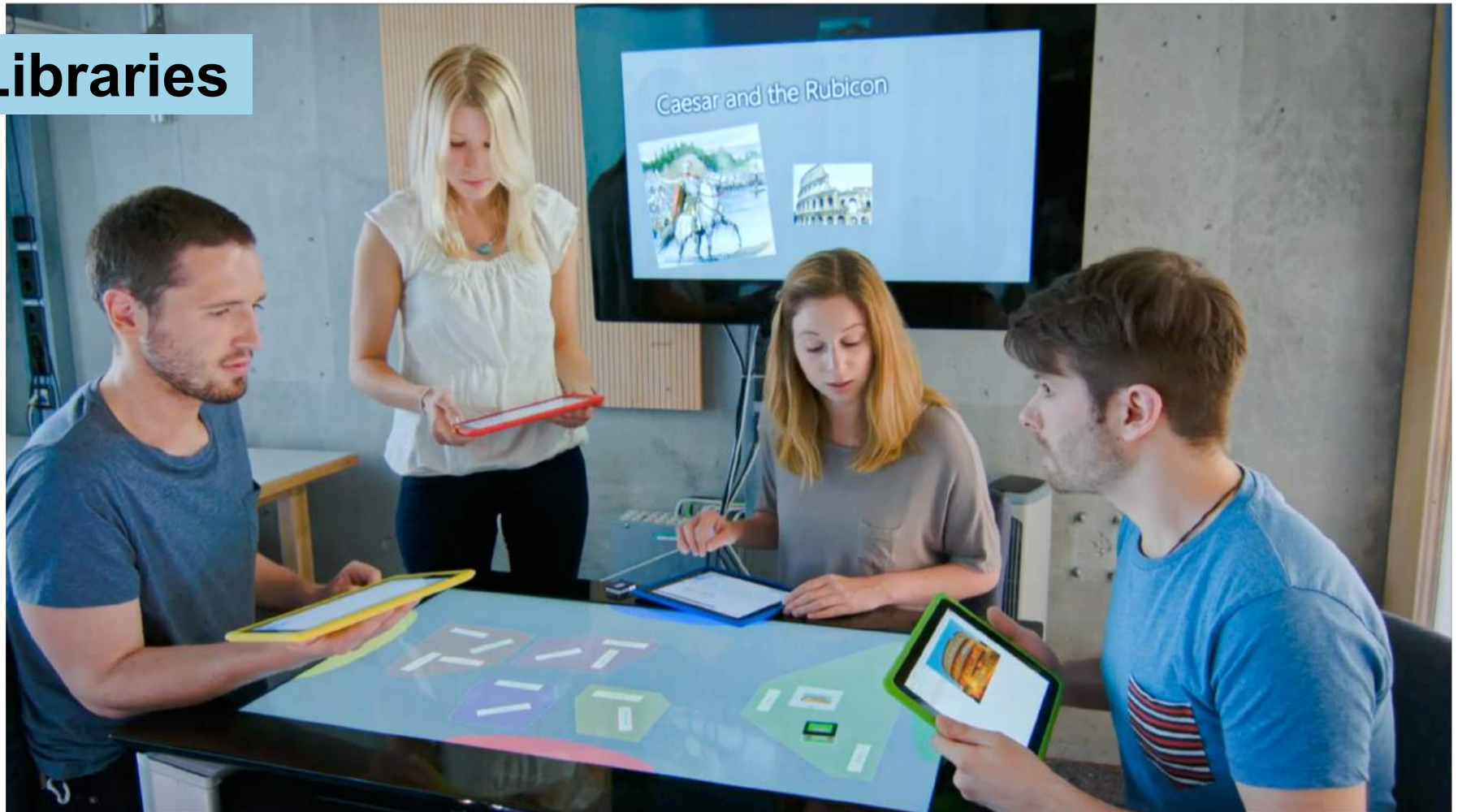
Control Rooms

Considering new technologies and approaches – as e.g. the principles of “reality-based interaction” – a holistic concept of today’s workplace is going to be developed. The next generation of control room design also considers previous generations in case they have proven themselves. So, a new and innovative concept evolves, perfectly uniting the benefits of former developments.



Research – Application Areas

Libraries



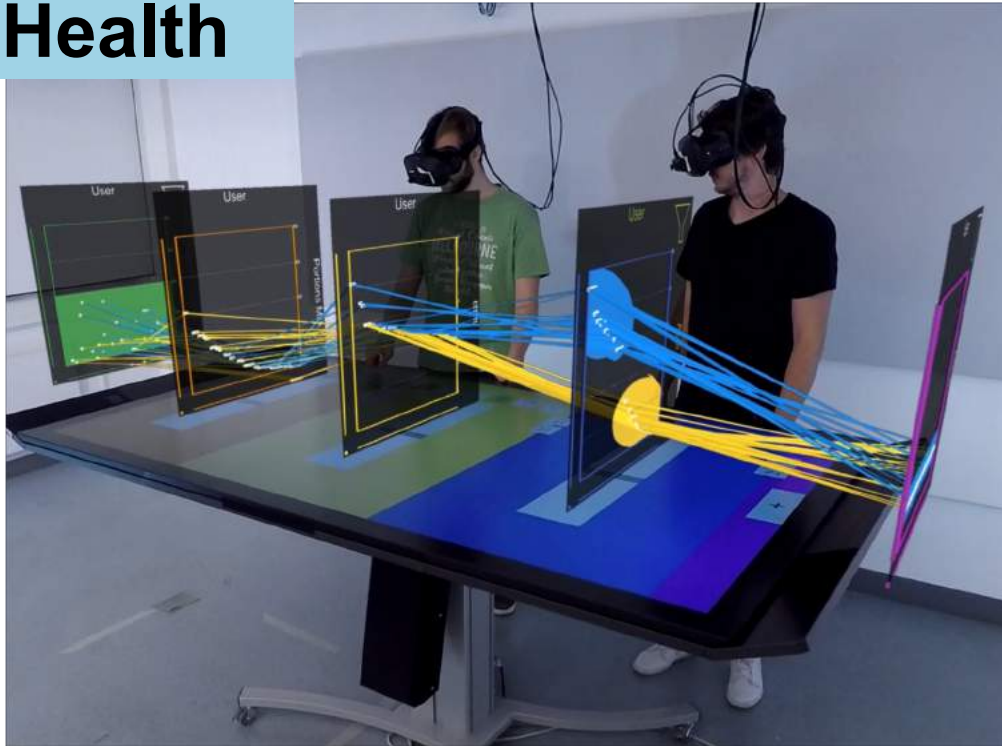
Research – Application Areas

Museums



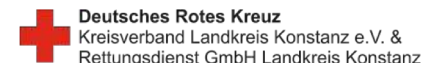
Research – Application Areas

Health



Health Applications – Data Visualization

The main aim of SMARTACT is to develop and empirically test the efficacy of a toolbox for mobile, real-time interventions targeting normal eating and physical activity using mobile technology (smartphones, body monitoring). The collected data can be used for collaborative visual data analysis (collaborative visual data analysis tool, research relevant).





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Current Lectures

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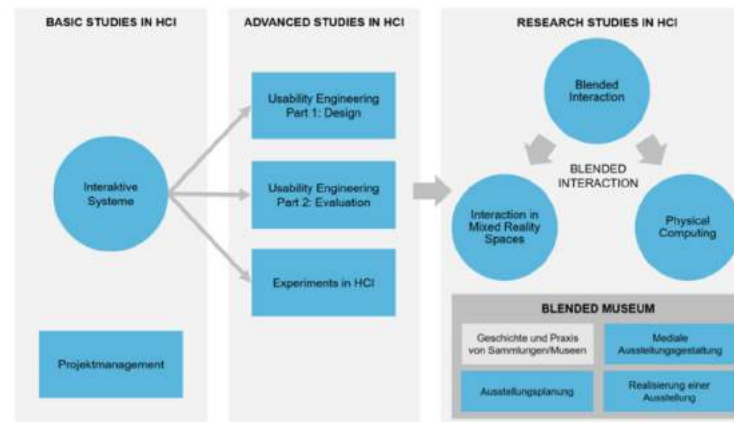
Teaching Overview

This is an overview of all courses offered by the Human-Computer Interaction Group during summer and winter term. The categories of our diverse course offer build on each other: Basic studies, advanced studies, research studies, and the teaching module "Blended Museum".

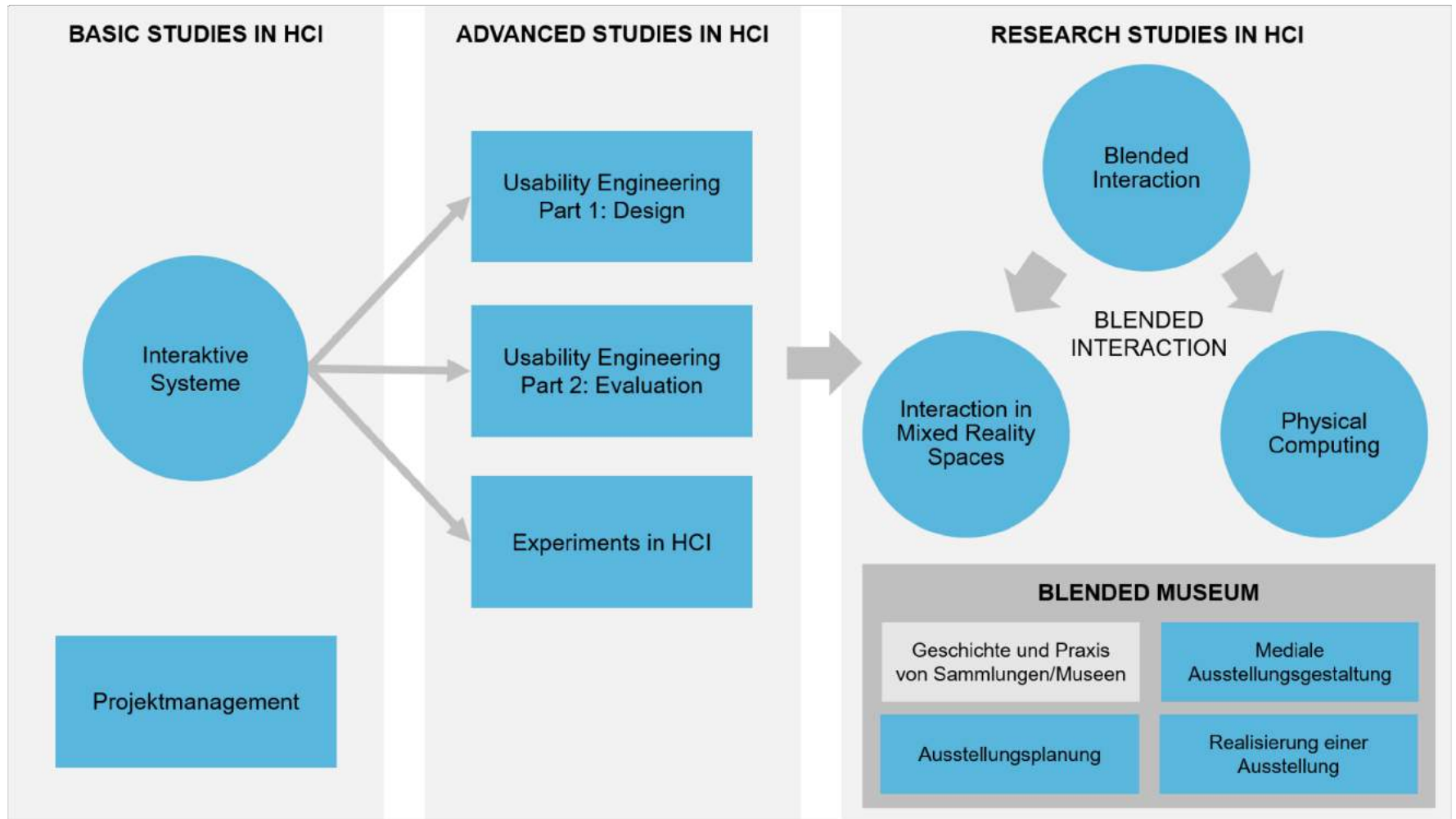
Visiting some of our current lectures is the most common way to get in touch with HCI and our work group. If you enjoy reading and learning HCI, you can easily schedule a **mentor conversation** with us, in order to arrange your academic alignment with respect to HCI as your core discipline.

In our practical courses we offer you the chance to take part in several interesting and competitive research projects. Please also have a look at **current Bachelor and Master projects**.

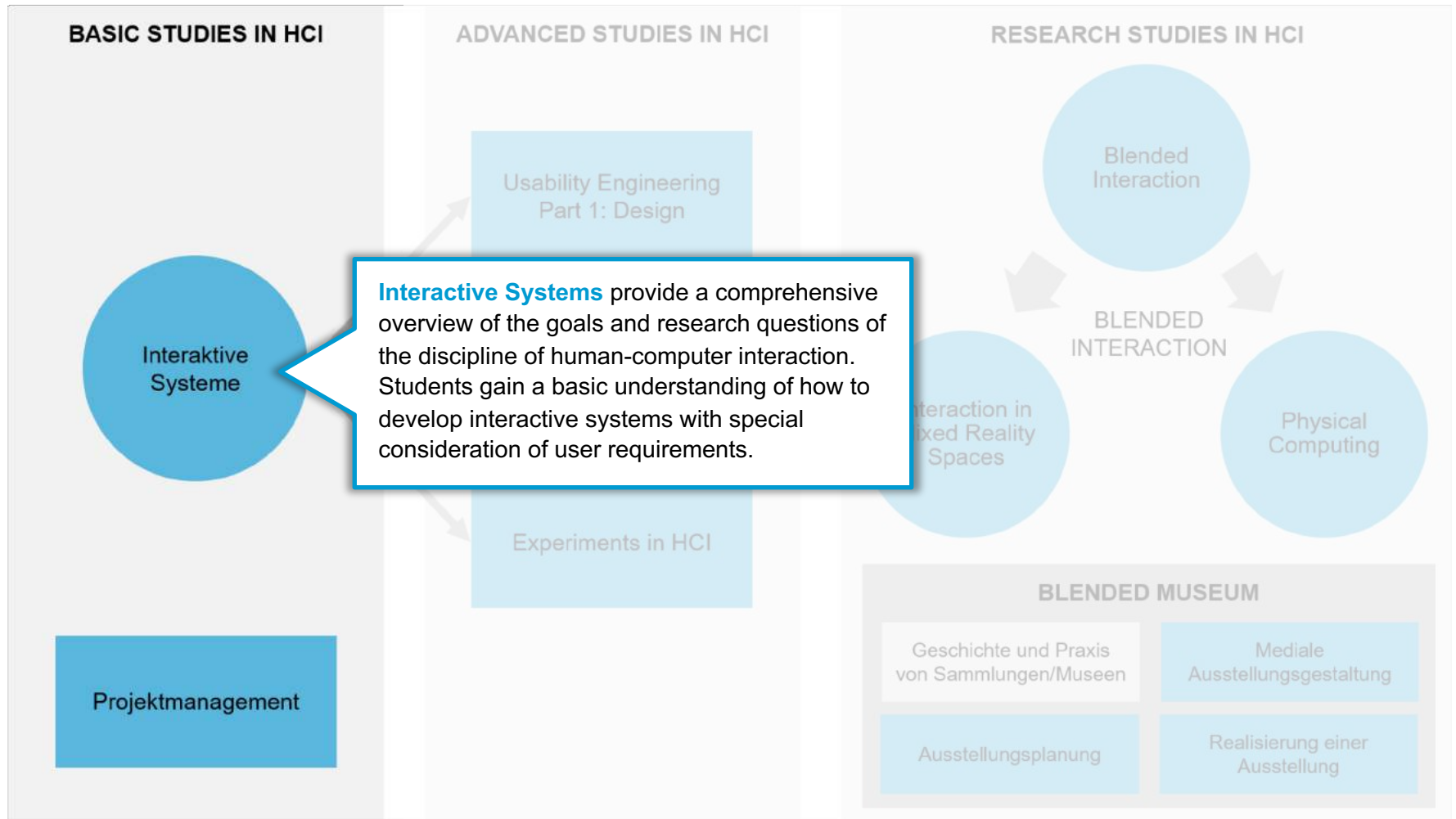
- **Current Lectures**
- **Mentoring Programme**
- **Current Topics for Bachelor- and Masterprojects**



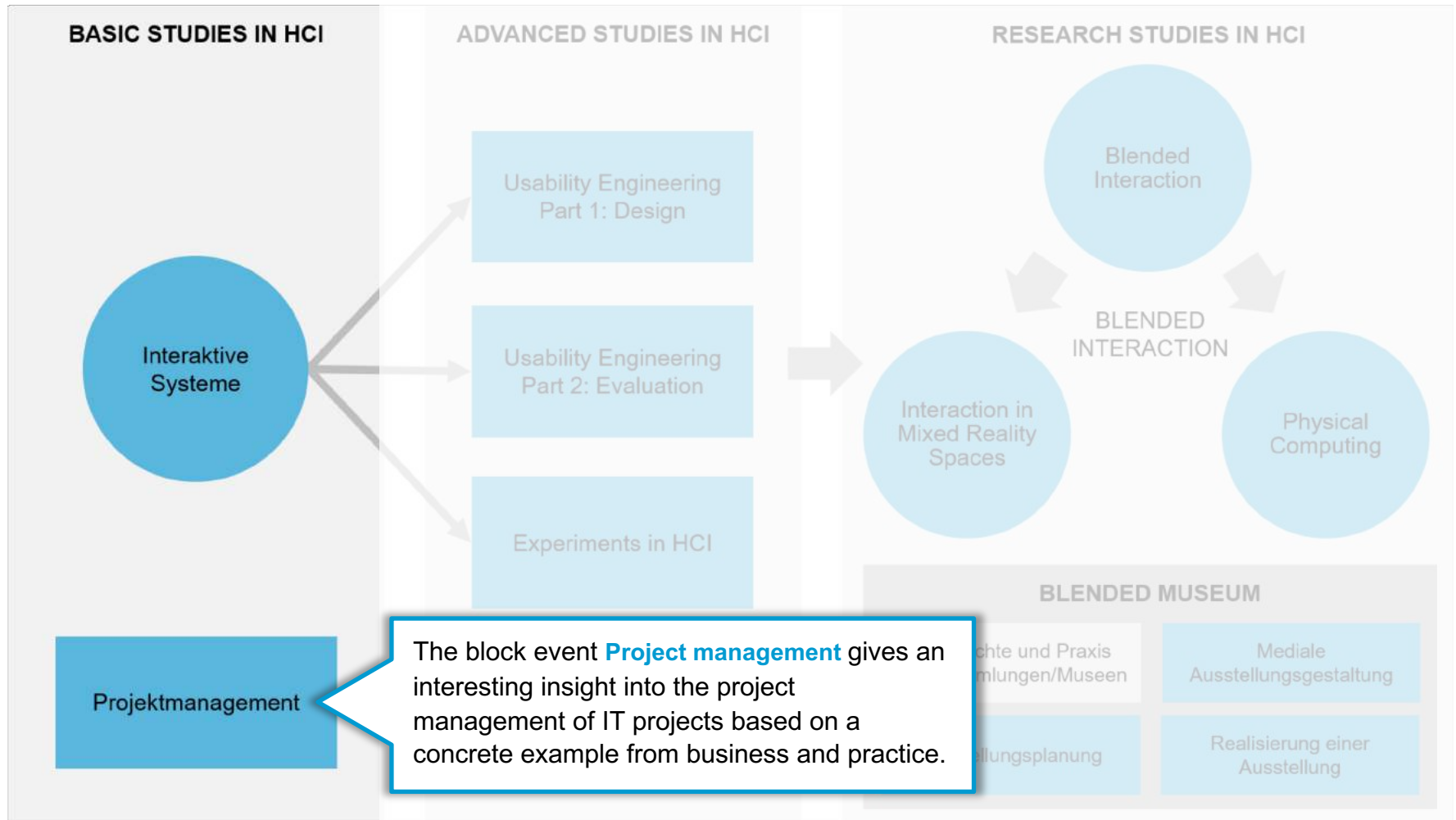
Teaching Overview



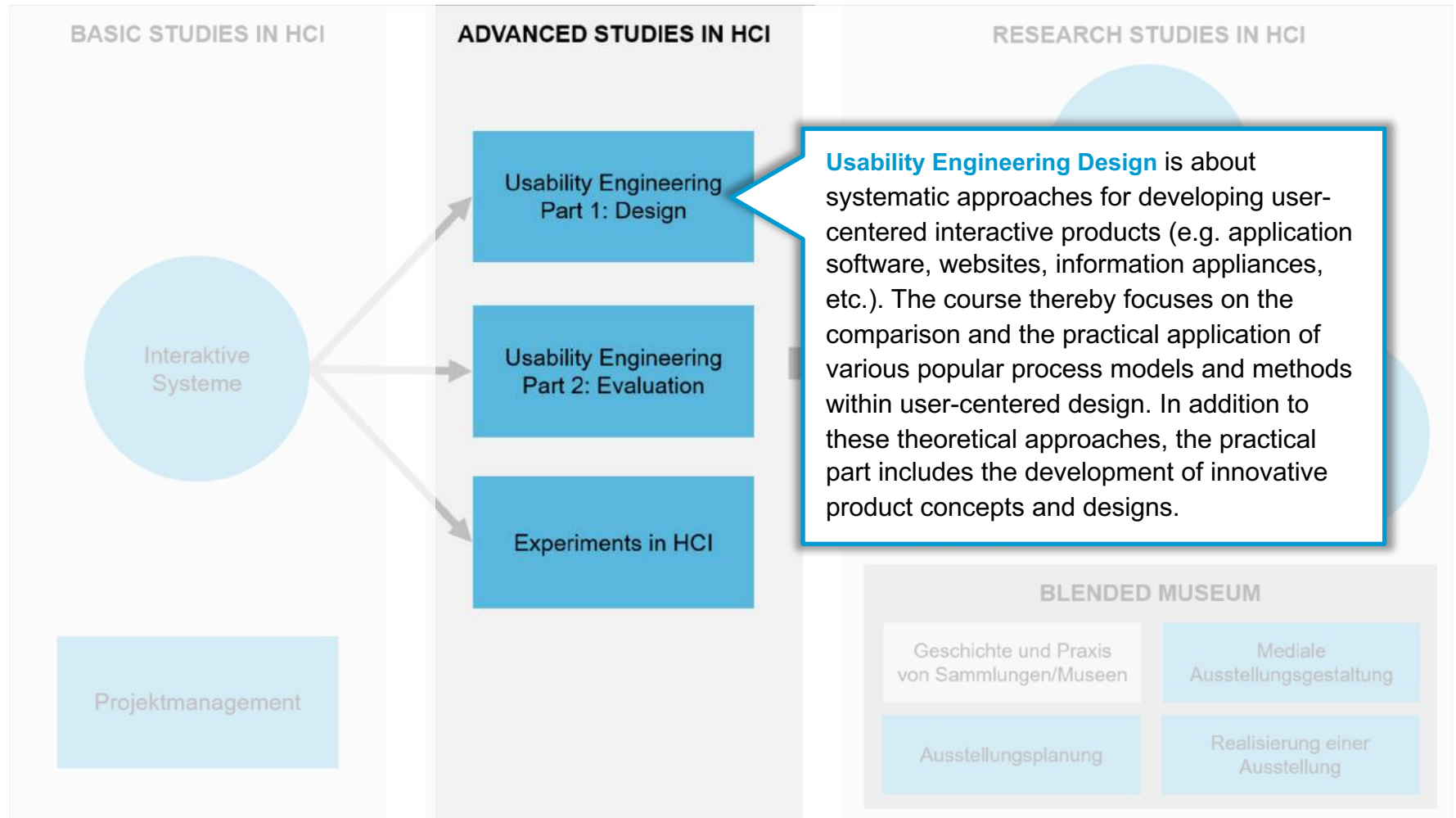
Teaching Overview



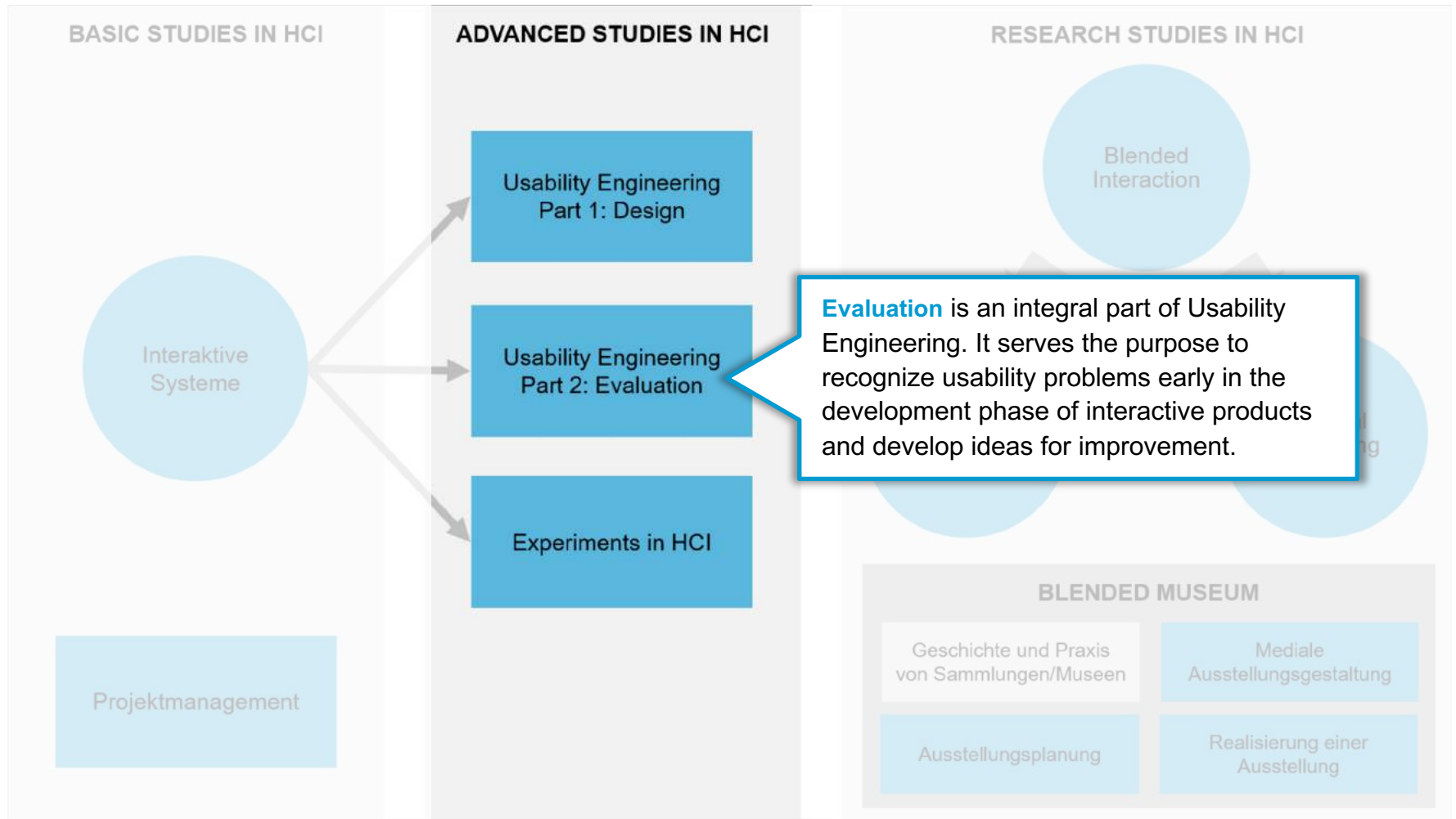
Teaching Overview



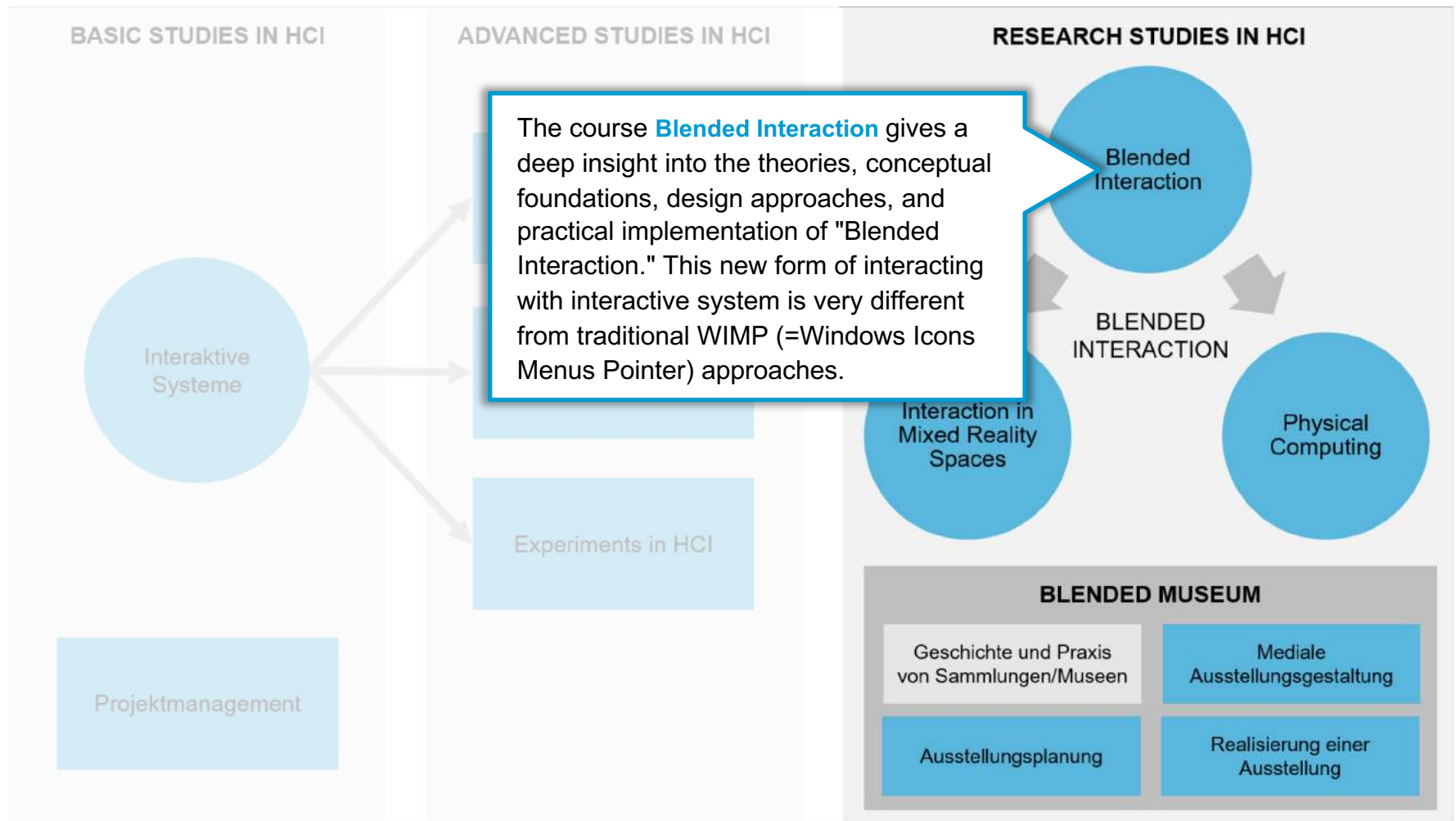
Teaching Overview



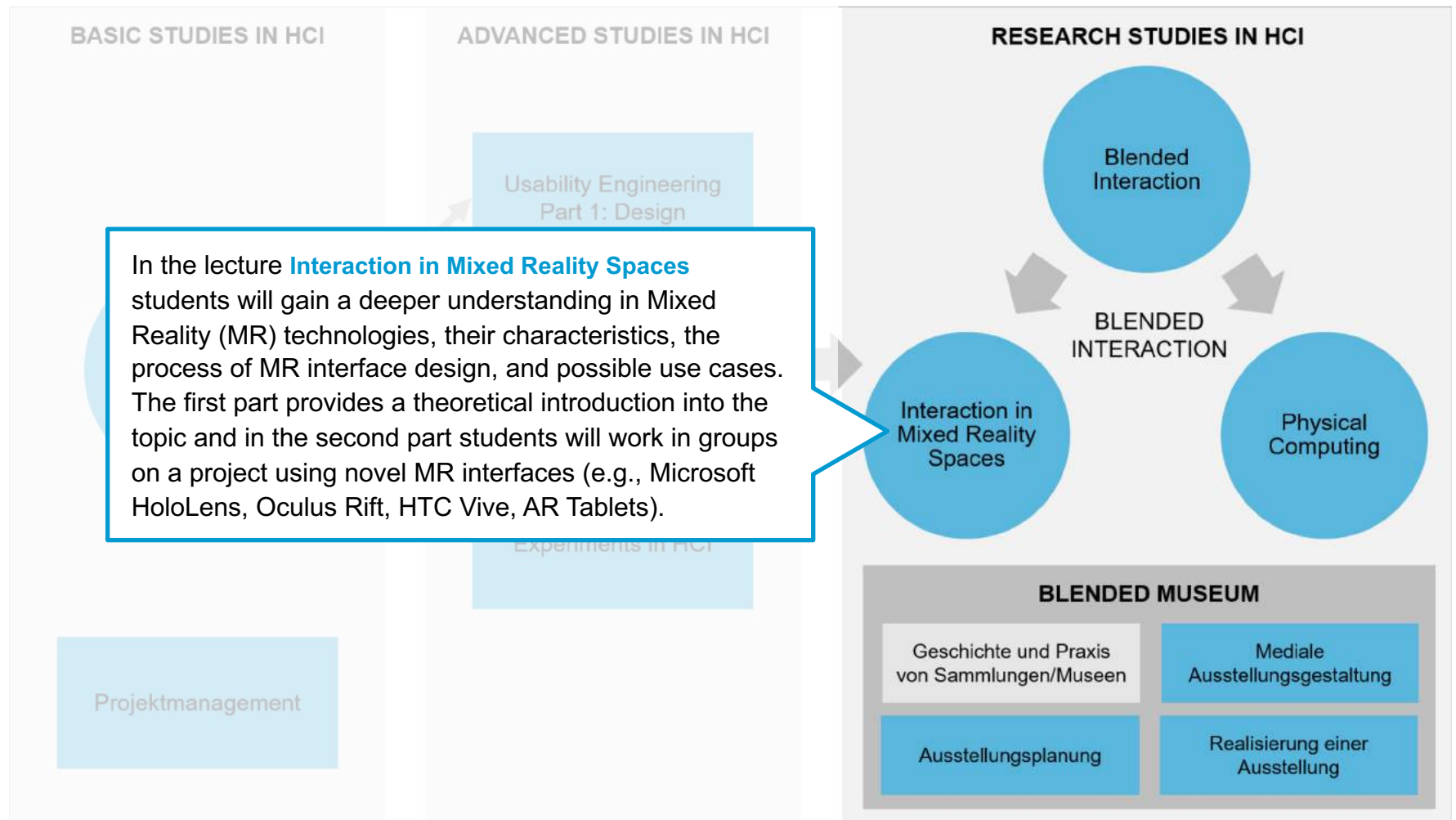
Teaching Overview



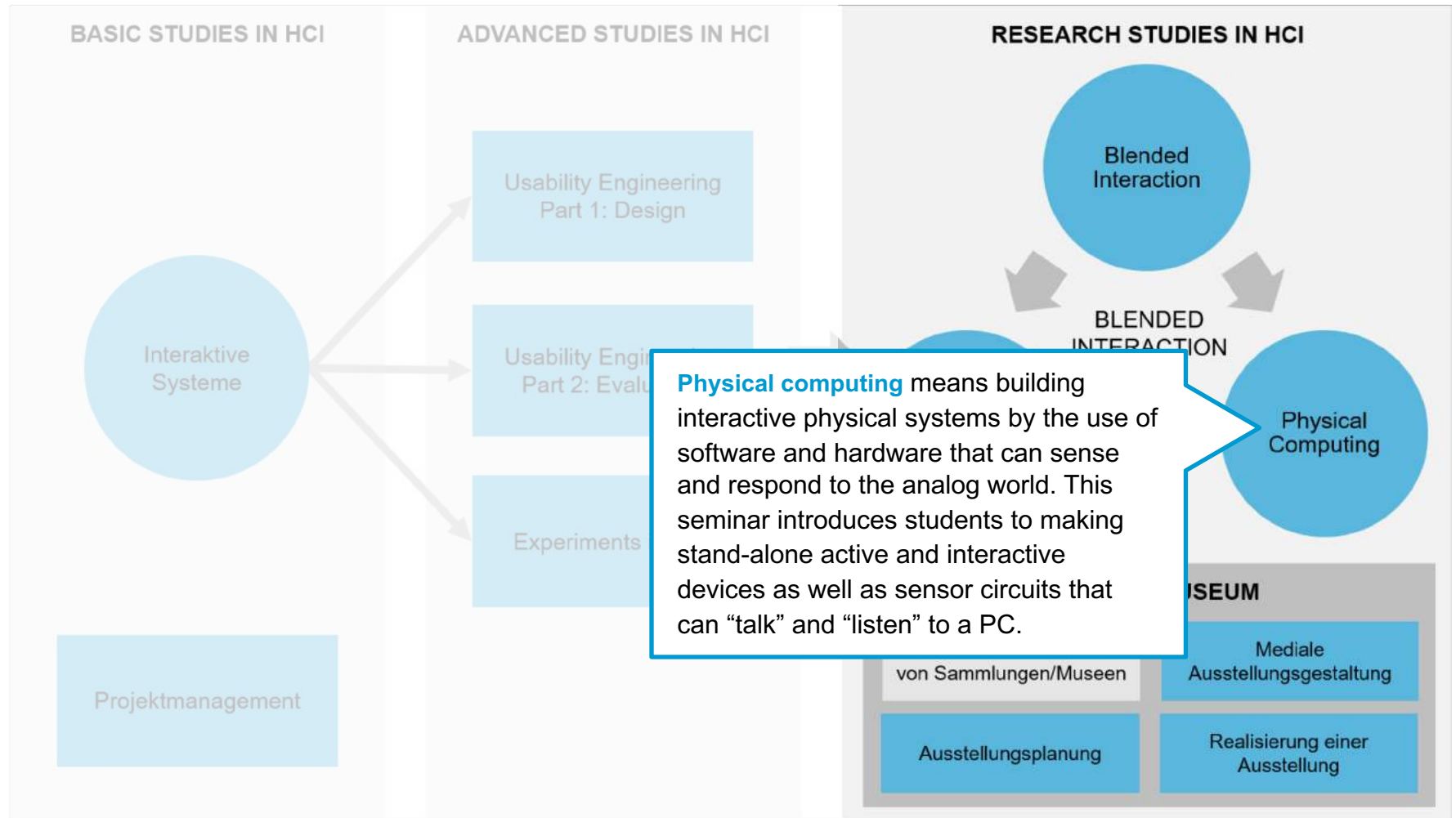
Teaching Overview



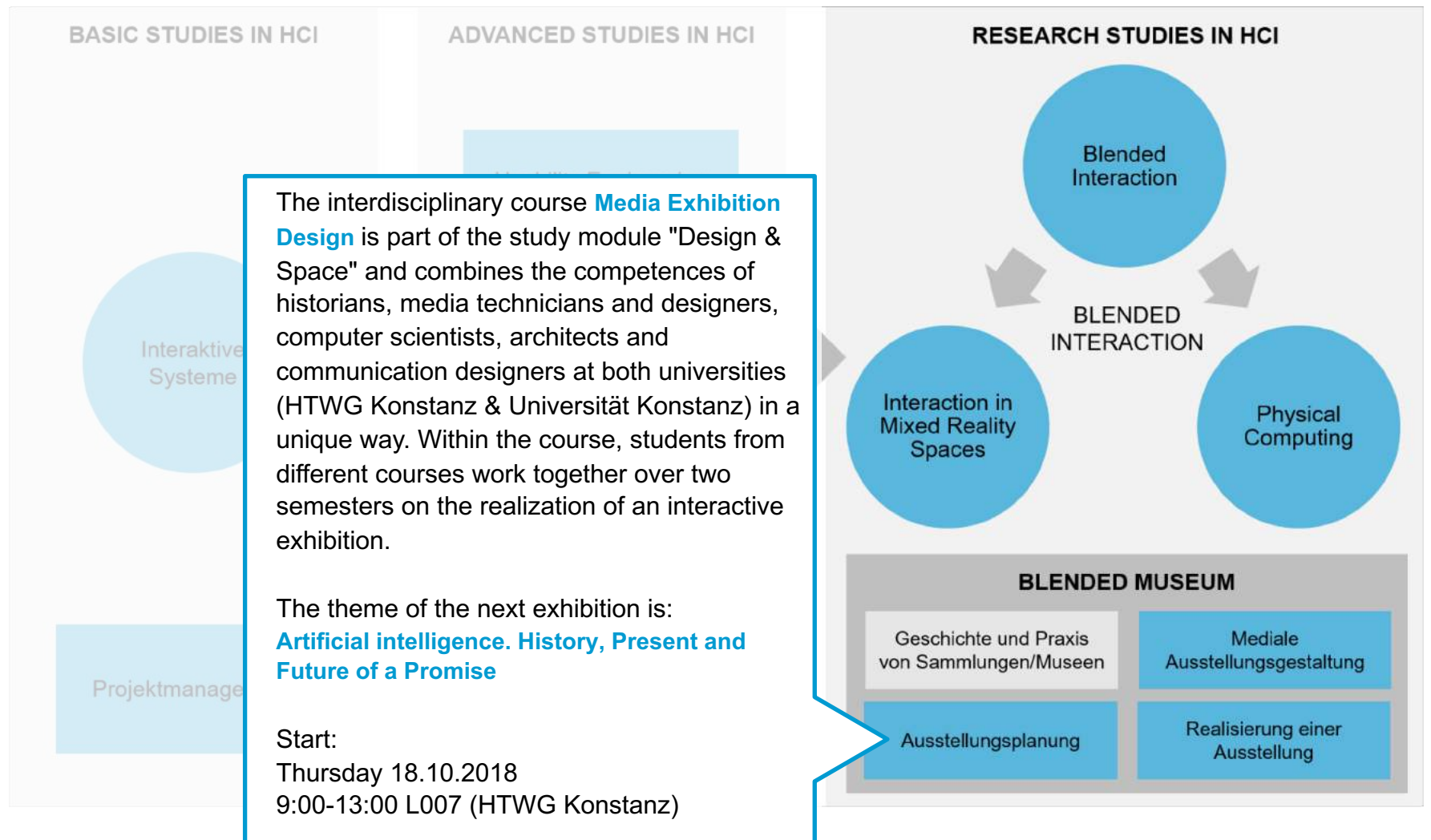
Teaching Overview



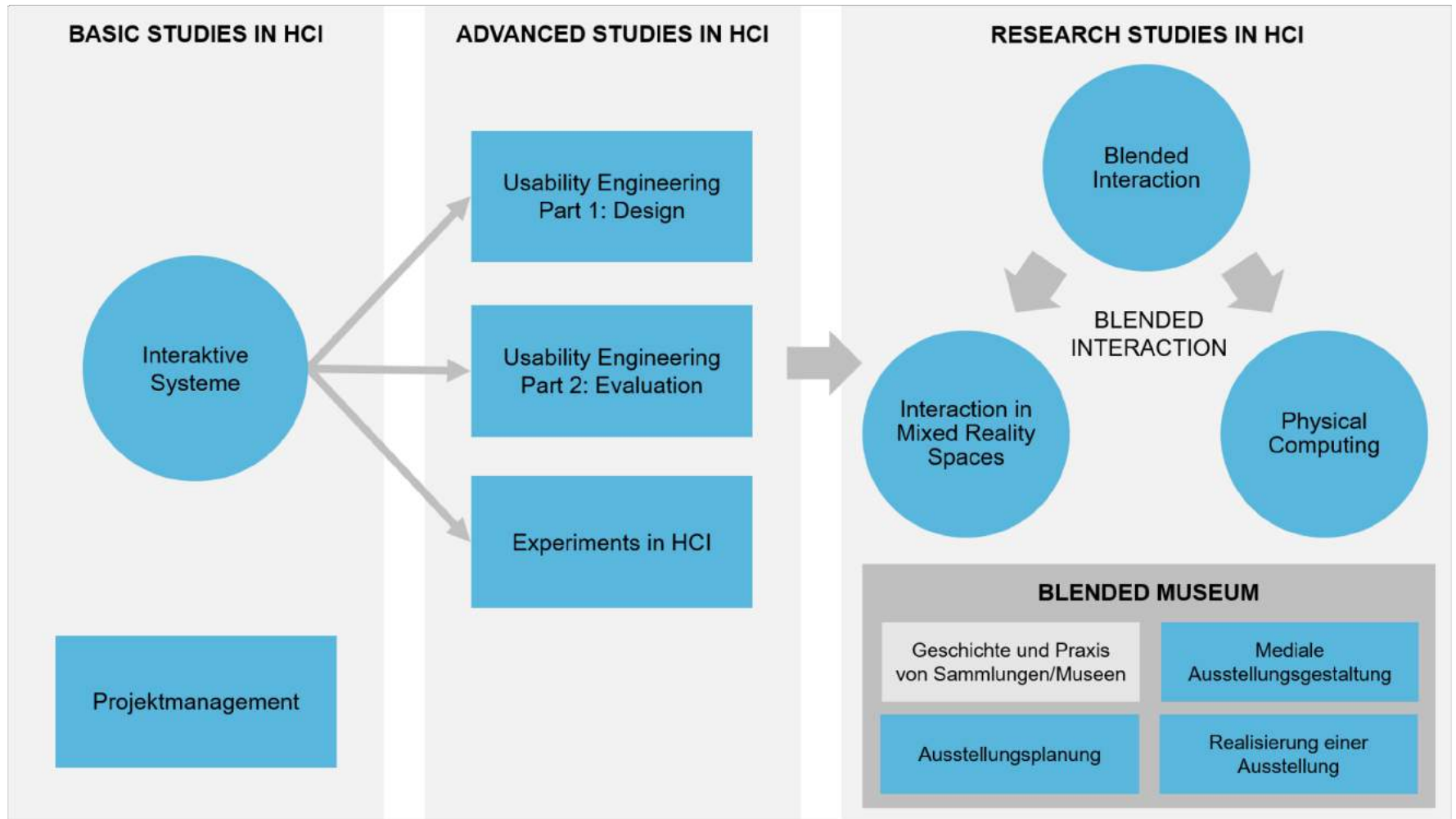
Teaching Overview



Teaching Overview



Teaching Overview



Further information can be found at:

The screenshot shows the website for the Human-Computer Interaction Group at the University of Konstanz. The header includes the department name and navigation links for Members, Research, Teaching, Publications, and Contact. A main banner features a group of people and the text "Welcome to the Human-Computer Interaction Group". Below this, there is a paragraph about the group's goal: "Our goal is to develop new concepts to support the interaction between humans and computers that accommodate the characteristics of human information and cognition as well as the latest technological developments. We call this novel blending of forms of reality-based interaction and communication with the technological opportunities Blended Interaction." A list of recent news items follows, including "Simon Butscher successfully defended his Ph.D. Thesis", "Visit and Talk of Jakob Bardram", "Jens Müller successfully defended his Ph.D. Thesis", and "Argus Vision at Mensch und Computer 2018". An "EVENTS" section at the bottom lists upcoming presentations and a symposium.

<http://hci.uni-konstanz.de/>

The screenshot shows the YouTube channel for HCI Group Konstanz, which has 269 subscribers. The channel is organized into three main sections: "Current Videos", "Blended Museum", and "Student Projects". Each section displays a grid of video thumbnails with titles, durations, and view counts. "Current Videos" includes "ART: Analyzing Clusters, Trends, and Outliers", "Codestrate Packages: An Alternative to 'One-Size-Fits-All'", "Remote Collaboration With Mixed Reality Displays: How...", "Memory in Motion: The Influence of Gesture- and...", and "Is Two Enough?! Studying Benefits, Barriers, and Biases...". "Blended Museum" features a series of videos titled "REBUILD PALMYRA?" showing various VR and interactive experiences. "Student Projects" includes "BookPath", "bibox: A Tangible Approach to Motivating Participation...", "Digital Tabletennis", "Memo Palace: Design and Evaluation einer mobilen...", and "Rock of Inspiration".

<https://www.youtube.com/user/HCKonstanz>

Further information can be found at:

Department of Computer and Information Science
Human-Computer Interaction

Members Research Teaching Publications

Department of Computer and Information Science > Human-Computer Interaction



24 Oct

Simon Butscher successfully defended his Ph.D. Thesis

Visit and Talk of Jakob Bardram

Jens Müller successfully defended his Ph.D. Thesis

Argus Vision at Mensch und Computer 2016

24 Oct
Presentation of Bachelor/Master-Project Topics
13:30 - 14:30
Z924 (MediaRoom)

07 Jan
Studium & Interaktive Forschung


<http://hci.u>



Presentation of Bachelor/Master-Project Topics

13.30 - 14.30

Z924 (MediaRoom)



tion: The Future-and...
2:58
1 Jahr

Is Two Enough?! Studying Benefits, Barriers, and Biase...
3:32
HCI Group Konstanz
123 Aufrufe · vor 1 Jahr

ra? -
0:57
11 Monaten

Rebuild Palmyra? - Echtzeit-Hologram
0:52
HCI Group Konstanz
46 Aufrufe · vor 11 Monaten

Design und
4:32
2 Jahren

Rack of Inspiration
4:23
HCI Group Konstanz
83 Aufrufe · vor 2 Jahren

[CiKonstanz](#)