

Elective modules in HCI – Summer semester 2021

Current Research in HCI – Seminars.....	1
Projects	2
Interdisciplinary Contexts in HCI (English Offers)	3
Interdisziplinäre Kontexte in HCI (German offers).....	6

Current Research in HCI – Seminars

The seminars can be freely combined and are worth 3 ECTS each. Two seminars constitute a module of 6 ECTS. You do not need to complete the whole module in one semester. Please make sure to start with Ia and Ib, then IIa and IIb, etc.

- 3PIPEK014V - Digital Transformation in SMEs - Seminar
- 3PIPEK006V - Kooperative/Soziale Medien und Mensch-Computer-Interaktion - Seminar
- 3LUDWI003V - Current Research in Human-Food-Interaction - Seminar
- 999K10001V - Intercultural Communication - Seminar
- 3WULF0032V - HCI4Transition - Seminar
- 3WULF0035V – Current Research in Animal-Computer Interaction - Seminar
- 3WULF0020V - IT in Organisationen: Entwicklungsmodelle, Einführungsstrategien, Produktivitätseffekt – Vorlesung
- 3MUECL006V - IT for the Ageing Society – Vorlesung
- 999K25010V - Sprachenzentrum: Projektmanagement in Theorie und Praxis / Project management in theory and practice – Seminar
- 3STEVE058V - Science fiction and the future of AI – Seminar
- 3WULF0024V - Robotik im realweltlichen Einsatz im Bereich der sozialen Arbeit – Seminar
- 3MUECL018V – Ethical Future Environments: Smart Thinking about Smart Cities means engaging with its Most Vulnerable

Projects

- 3MUECL017V – Design for inclusion: Concept ideas and interfaces for (non)digital community settings – Projekt A
- 3LUDWI005V - Prototyping in the Internet-of-Things – Projekt A
- 3WULF0006V - Künstlerisches Gestalten - Projekt A
- 3PIPEK012V - CSCW and Social Media Chair: Project Beginner (A) - Projekt A
- 3STEVE004V - Voice Interaction Design: UX for AI – Seminar/Projekt A/B
- 3HASSE013V - The Otherness of Non-Human Actors – Projekt A/B
- 3WULF0031V - come_IN and connect: Re-thinking and re-designing a (multi/non-lingual) community platform to foster intercultural and intergenerational exchange – Projekt A/B/C
- 3MUECL013V - Socio-informatics approaches to robotic systems in nursing - Projekt A/B/C
- 3MUECL014V - Meta-design spaces for older adults - Projekt A/B/C
- 3MUECL015V - Accessibility for Workflow Management Systems - Projekt A/B/C
- 3LUDWI019V - Project Work in the Field of Human-Food-Interaction – Projekt A/B/C
- 3LUDWI020V - Project Work in HCI – Various topics – Projekt A/B/C
- 3WULF036V – Applied Projects in HCI – Projekt A/B/C
- 3WULF0036V - Practical projects in Animal-Computer Interaction and Human-Wildlife Conflict – Projekt A/B/C
- 3LUDWI015V - Exploring the Octalysis Framework: Designing playful Conversational Agents – Projekt A/B/C
- 3LUDWI022V - Developing High-fidelity Web Prototypes (Diving into the MEAN stack) – Projekt A/B/C
- 3MUECL012V - Interactive Music Experiences in Public Spaces – Projekt A/B/C
- 3PIPEK013V - CSCW and Social Media Chair: Project Intermediate (B) – Projekt B
- 3STEVE059V – Designing for Privacy & Consumer Protection – Projekt B/C
- 3PIPEK014V - CSCW and Social Media Chair: Project Advanced (C) – Projekt C
- 3HASSE015V - Individual Research and Design Projects (Project C) – Projekt C

Interdisciplinary Contexts in HCI (English Offers)

All modules with 9 ECTS belong to *Interdisciplinary Contexts Ia – IVa*. All modules with 6 ECTS belong to *Interdisciplinary Contexts Ib – IVb*. Please make sure to select **only** from *a* **or** *b*.

The following modules can be combined freely. All courses listed under one module have to be completed to successfully complete the module, unless stated otherwise. Please notice potential prerequisites.

Introduction to Programming (9 ECTS)

- 43UCO1114V – Introduction to Programming – Lecture (SoSe)
- 43UCO1115V – Introduction to Programming – Practice (SoSe)

Embedded Control (9 ECTS)

- 43EMS0030V – Embedded Control – Lecture (WiSe)
- 43EMS0031V – Embedded Control – Practice (WiSe)

Virtual Reality (4,5 ECTS)

From winter 2021/22, this module is expected to be worth 6 ECTS.

- 43CGM1121V – Virtual Reality – Lecture (SoSe)
- 43CGM1122V – Virtual Reality – Practice (SoSe)

Ubiquitous Systems Lab (4,5 ECTS)

From winter 2021/22, this module is expected to be worth 6 ECTS.

- 43UCO1113V - Ubiquitous Systems Lab – Practice (WiSe&SoSe)

Recent Advances in Machine Learning (4,5 ECTS)

Prior knowledge in Machine Learning (e.g. by taking the Deep Learning module) is required.

From winter 2021/22, this module is expected to be worth 6 ECTS.

- 43VSA0141V Recent Advances in Machine Learning – Vorlesung (SoSe)
- 43VSA0142V Recent Advances in Machine Learning – Übung (SoSe)

Seminar Data Science (9 ECTS)

- 43UCO1117V - Seminar Data Science – Seminar (WiSe & SoSe)

Deep Learning and Machine Learning (9 ECTS)

Please note: programming and mathematic (analysis, linear algebra) skills are required.

From winter 2021/22, this module is expected to be divided in two modules à 6 ECTS.

- 43VSA0131V - Deep Learning – Lecture (WiSe)
- 43VSA0132V - Deep Learning – Exercise (WiSe)
- 43ISG3301V – Seminar Intelligent Systems – Seminar (WiSe)

English Language Skills (9 ECTS)

*Please choose any **three** of the courses below to complete the module. Pay attention to the required language level or other prerequisites. Language courses need to be completed in two consecutive semesters, not in one semester. Academic writing courses can be taken simultaneously.*

In winter 2021/22, the academic writing courses will additionally be offered as a 6 ECTS module.

- 999F00173V - Sprachenzentrum: Englisch: Introduction to Academic Writing (B2/C1 Level) – Übung (WiSe & SoSe)
- 999F00174V – Academic Writing – BA dissertation, MA thesis and academic paper writing (C1 level)
- 999F00165V - Sprachenzentrum: Englisch - Zielstufe C1.1 - Übung (WiSe & SoSe)
- 999F00168V - Sprachenzentrum: Englisch - Zielstufe C1.2 - Übung (WiSe & SoSe)
- 999F00169V - Sprachenzentrum: Englisch - Zielstufe C1.3 - Übung (WiSe & SoSe)

Strategic and Life Cycle Management in SMEs (9 ECTS)

The module requires German language skills, but will be offered in English in the future.

Knowledge in empirical methods is required, but can also be acquired during the course.

- 3STRIN123V - Strategic and International Management in SME - Vorlesung/Übung (SoSe)
- 3WERNE011V - Life Cycle Management – Vorlesung (SoSe)
- 3WERNE016V - Life Cycle Management – Übung (SoSe)

Entwicklung und Verteilung (9 ECTS)

The module requires German skills, as it is not (yet) completely offered in English. If you are interested, please contact the lecturers to discuss the requirements individually.

- 3FLECH002V - Grundlagen wachstumstheoretischer Ansätze – Seminar (SoSe)
- 3FLECH006V - Fallstudien zu Wachstumstheorien - Seminar/Übung (WiSe&SoSe)

Nuts and Bolts of Business Plan (from winter 2021/22, 9 ECTS)

- 3MOOG0023V - Start-up of new SMEs - Vorlesung/Übung (WiSe)
- 3MOOG0021V - How to write a Business Plan - Vorlesung/Übung (WiSe)

Artistic Design (from winter 2021/22, 6 ECTS)

- 3WULF0006V - Künstlerisches Gestalten – Seminar

Project Management and Intercultural Communication (from winter 2021/22, 6 ECTS)

- 999K25010V - Sprachenzentrum: Projektmanagement in Theorie und Praxis / Project management in theory and practice – Seminar
- 999K10001V - Intercultural Communication - Seminar

Interdisziplinäre Kontexte in HCI (German offers)

Die folgenden Module können frei kombiniert werden. Alle Kurse unter einem Modul müssen belegt werden, um es erfolgreich abzuschließen, sofern nicht anders angegeben.

Gestaltungspraktikum 3D Modellierung und Animation (4,5 ECTS)

- 43CGM1116V – Gestaltungspraktikum 3D Modellierung und Animation – Praktikum (WiSe & SoSe)

Computergraphik Praktikum (4,5 ECTS)

- 43CGM1129V – Computergraphik Praktikum – Praktikum (WiSe)

Computergraphik I (4,5 ECTS)

- 43CGM1119V – Computergraphik I – Vorlesung (WiSe)
- 43CGM1120V – Computergraphik I – Übung (WiSe)

New Media Management (9 ECTS)

Introduction to Electronic Business (WiSe)

- 3EIGLE108V – Grundlagen des E-Business – Vorlesung
- 3EIGLE109V – Übung Grundlagen des E-Business – Übung

Electronic Commerce (SoSe)

- 3EIGLE102V – Electronic Commerce (E-Commerce) – Vorlesung
- 3EIGLE103V – Übung zu Electronic Commerce (E-Commerce) – Übung

Kulturtechnik (9 ECTS)

Je ein Seminar aus beiden Veranstaltungsgruppen muss belegt werden. Das Angebot variiert je nach Semester.

Theorien der Kulturtechniken (SoSe)

- 1SOWI0508V - Erinnerungskulturen im Schnittpunkt zwischen Medien und Tourismus
I - Kompaktseminar
- 1MEWI2701V - Netzwerkkulturen - Seminar

Geschichte und Praxis von Kulturtechniken (WiSe)

Medienästhetik (9 ECTS)

Hier sind jeweils Text und Ton zusammen zu belegen oder Bild und Film (je ein Seminar pro Teilbereich). Das Angebot variiert je nach Semester.

Medienästhetik: Text (WiSe)

Medienästhetik: Bild (WiSe)

Medienästhetik: Ton (SoSe)

- 1MEWI2735V - Warum mag ich Musik? Und warum gerade diese? - Seminar

Medienästhetik: Film (SoSe)

- 1MEWI2737V - Digital Tarkowsky: The Zone – Seminar
- 1MEWI2740V - Das Dokumentarische - Seminar

Kultursoziologie (9 ECTS)

Je ein Seminar aus beiden Veranstaltungsgruppen muss belegt werden. Das Angebot variiert je nach Semester.

Medien, Kultur und Gesellschaft (WiSe)

Paradigmen der Kultursoziologie (SoSe)

- 1MEWI2728V - Konsumkultur und Konsumpraxen - Seminar
- 1SOWI1402V - Ethnografien des Digitalen: Methodische Ansätze - Hauptseminar

Medienrecht (9 ECTS)

Medienrecht I: Medienverfassungsrecht (WiSe)

- 3KLASS110V – Medienrecht I, Medienverfassungsrecht - Vorlesung

Medienrecht II: Recht der Wort- und Bildberichterstattung (SoSe)

- 3KLASS100V – Recht der Wort- und Bildberichterstattung – Vorlesung

Statistik (9 ECTS)

Schließende Statistik (Statistik II) (WiSe)

- 1SOWI1002V – Vorlesung Statistik (M.A.) - Vorlesung

Multivariate Analyse (Statistik III) (WiSe)

- 1SOWI1003V – Übung Statistik, M.A. – Vorlesung/Übung

Entscheidungsunterstützung (9 ECTS)

- 3PESCH101V – Entscheidungsunterstützungssysteme – Vorlesung (WiSe)
- 3PESCH102V – Entscheidungsunterstützungssysteme – Übung (WiSe)
- 3PESCH201V – Scheduling - Vorlesung/Übung (SoSe)

Betriebliche Informationssysteme (9 ECTS)

- 3NIEHA001V – Informationsmanagement – Vorlesung/Übung (WiSe)
- 3NIEHA002V – Prozessmanagement – Vorlesung (WiSe)

Wirtschaftspublizistik (9 ECTS)

- 3PEUKE006V – Seminar zu Ökonomie und Wirtschaftspublizistik – Seminar (WiSe)
- 3PEUKE101V – Wirtschaftspublizistik - Blockveranstaltung (SoSe)

System- und Organisationsentwicklung (9 ECTS)

- 3BERGM407V – Systemische Organisationentwicklung und Coaching – Vorlesung (SoSe)
- 3BERGM108V – Innovations- und Prozessmanagement – Vorlesung (SoSe)