



Maastricht University

Department of Advanced Computing Sciences

Intelligent User Interactions

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Contact

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Overview



What is this course about?



How will it be lectured?



How will it be graded?

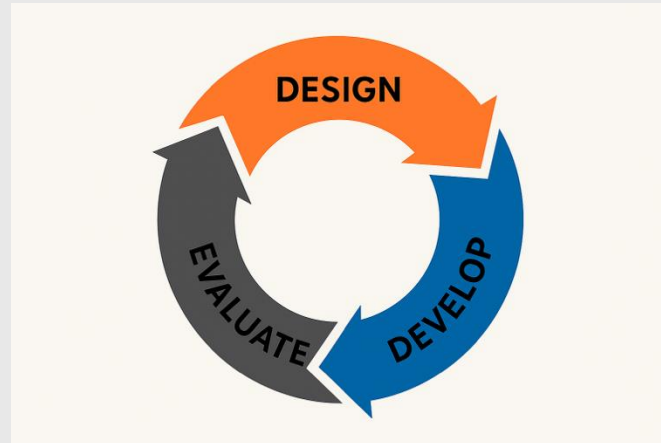
What is this course about?

- You will learn how to design Intelligent User Interfaces with respect to the usability principles
- You will be introduced to modern technologies (e.g. web development, VRs, ARs, and sensors) facilitating the implementation of Intelligent User Interfaces
- You will learn how to conduct user studies to evaluate the usability of an Intelligent User Interface.

Intended learning outcomes are detailed in the syllabus.

Organization

- Three modules representing the design, development, and evaluation phase of an Intelligent User Interface.
- Final exam
- Bonus point for the labs



Week 1 – Week 2
HCI Design Principles

Week 3 – Week 5
Development (Technologies)

Week 6
Evaluation

Week 7
Exams

Organization - Content

HCI Design Principles module

- **Week 1 (User requirements, Usability principles, Prototypes)**

Monday: lecture,

Tuesday: demo,

Thursday: lab

- **Week 2 (User modelling and Personalization)**

Monday: lecture,

Tuesday: demo,

Thursday: lab

Organization - Content

Development - Technologies

- **Week 3 (Web development)**

Monday: lecture,

Tuesday: demo,

Thursday: lab

- **Week 4 – 5 (Extended Reality, Brain Computer Interface)**

Monday: lecture,

Tuesday: demo,

Thursday: demo

Monday: lab,

Tuesday: lab,

Thursday: lab



Organization - Content

Evaluation

- Week 6 (User studies, Research methods, Data analysis)

Monday: lecture,

Tuesday: demo,

Thursday: lab

Assessment

- Digital assessment at the UM
- Total grade = Digital assessment (10/10) + up to 1,0 bonus points from the labs **only if Digital Assessment is equal or higher than 6.**