

Human-Centered Interaction Design

crash course

course outline

ISIA, Firenze
by Joannes Vandermeulen, Namahn, Brussels
2012-2013

Learning targets

The learning targets for this course are:

- To become familiar with state-of-the-art, human-centered techniques in interaction design
- To gain practical experience in applying these techniques
- To experience brainstorming and workshop techniques

Didactic method

At the start of the course, the students imagine an application (an “app”) that would serve them well as students. The only initial requirements are that the application should be (1) a mobile app (2) location based and (3) social.

Once it is established what useful or fun things the app will do for the students, we start the design of the app.

The students are divided into break-out groups of about four students.

The students run through five design cycles, each cycle consisting of:

- A theoretical introduction
- An individual ideation session
- A design session within the break-out group
- A presentation to the plenum

The last cycle consists of a usability assessment.

Content

The content is supported by a 100-slide Powerpoint presentation, and is built up as follows:

- Introduction to Interaction Design
- Field studies
- Requirements analysis
- Storytelling
- Mental modeling
- Conceptual design

- Prototyping
- Usability assessment

Required skills

Participation does not require knowledge of software development.

Schedule

The course runs over one and a half day.

Required facilities

The students are requested to bring their mobile devices (smart phones, tablets, ...) for inspiration.

The space allows for break-out sessions of about 5 students.

The teacher needs a projector.

Paper, post-it notes, scissors, markers, tape, etc. is required.

Furthermore

This course is also [taught for professionals](#) at Namahn. The crash course for students is much more practical, with a predominance of practical work in groups.

Students could be advised to read Jenifer Tidwell's [Designing Interfaces](#).