

Research Argumentation skills in the context of Design for Interaction (RADfI)

Linked course: **Research Methodology (ID4265)**

Course coordinator: **dr. dipl.-des. Stella Boess (s.u.boess@tudelft.nl)**

Course runs: **3rd period (February)**

Contact the coordinator: **as soon as possible**

Credits: **4 GS-Credits**

DESCRIPTION OF CONTENT

This course conveys the key academic skills of building a coherent and well-supported research argument from research and design activities, and of presenting this argument orally and in writing. Peer researchers and society may question and oppose a researcher's claims of knowledge. Such academic and societal debate promotes the quality, relevance and benefit of research.

The PhD candidate develops research argumentation skills by leading three debate workshops and two writing exercises for MSc students. These workshops and exercises take place as part of the DfI MSc course ID4265 DfI Research Methodology (DfI RM). Following a preparation workshop just for the PhD candidates, they provide their research claims to a group of 20 DfI MSc students who have the task of arguing for and against the claims. In addition, the PhD candidate's skill of argumentation is strengthened by reviewing short papers in which the MSc students develop a claim of knowledge from their own research and design work.

DELIVERABLES

The course runs in the 3rd quarter (first half of the Spring semester). Deliverables for PhD candidates include:

- a set of claims about the relevance, approach and benefit of the PhD candidate's research
- giving feedback to the MSc students about their performance in three debate workshops
- reviews of MSc student short papers on the quality of argumentation.

Conference and Reviewing Skills in Contextual Design (CRS)

Linked course: **Context & Conceptualisation (ID4216)**

Course coordinator: **prof.dr. Pieter Jan Stappers (p.j.stappers@tudelft.nl)**

Course runs: **1st period (September) until end January**

Contact the coordinator: **before September 1st**

Credits: **4 GS-Credits (was 3 GS-Credits before)**

DESCRIPTION OF CONTENT

Writing and reviewing conference and journal papers are key academic skills. This course aims to teach skills related to scientific communication in the form of conferences, and the roles of an academic in peer review processes. This will also help in writing papers.

The course is organized on top of a writing exercise that runs in the MSc course ID4216 Context & Conceptualisation (C&C). The exercise is organized as a conference with circa 200 participating authors (students) choosing a topic from a series of calls, and developing a proposal and a paper.

DELIVERABLES

The course runs in the Fall semester. Deliverables include writing a call for papers (one meeting in October), giving feedback to a proposal (one meeting in November), and three days review work in January.

Product Experience (PE)

Linked course: **Advanced Embodiment Design (ID4175)**

Course coordinator: **dr. Elif Ozcan (e.ozcan@tudelft.nl)**

Course runs: **3rd/4th period (starts February)**

Contact the coordinator: **as soon as possible**

Credits: **3 GS-Credits**

DESCRIPTION OF CONTENT

Designing for experience requires three basic design skills: 1) understanding the fundamental differences among different types of product experiences (i.e., design for aesthetics, meaning, and emotions); 2) identifying the level of human-product interactions for facilitating a specific experience (i.e., micro, macro, and meta levels); and 3) figuring out which product property is the best carrier for the desired human-product interaction (i.e., shape/sound/materials; product function; context of use and interaction).

By following this module, PhD candidates will gain both theoretical and practical skills into developing product experiences. By the end of the course, with the help of a 'product experience matrix', PhD students will be able to analyze the properties of a current product and conceptualize a future interaction scenario for eliciting a desired experience.

The content of the exercise depends on a PhD candidate's interest in a particular product experience.

DELIVERABLES

- One essay
- Two Product Experience Matrices

The course runs in the first block of Spring semester (Q3). An essay on current and future product experiences is required together with two Product Experience Matrices (one for current and one for future product experiences). PhD candidates will participate in three product experience workshops (aesthetics, meaning, and emotion) through which they can also test their drawing or building skills. Feedback is given by experts at the workshops and/or through one-on-one scheduled meetings.

Capita User - Product Interaction (CUPI)

Linked course: **Product Understanding, Use, and Experience (ID4210)**

Course coordinator: **prof.dr. Paul Hekkert (p.p.m.hekkert@tudelft.nl)**

Course runs: **1st period (September) until end January**

Contact the coordinator: **before September 1st**

Credits: **2 GS-Credits**

DESCRIPTION OF CONTENT

The course aims at teaching students state-of-the-art knowledge on human-product interaction, in particular on how products are cognitively understood, used and experienced through all our senses. The course thus relies heavily on insights from the behavioural sciences as far as these help us to understand our relationship with and responses to designed artefacts, services, and product-service systems. The course is organized on top of the MSc course ID4210 Product Understanding, Use, and Experience (PUUE), in which students take part in a series of 12 2-hour lectures on design-related topics from the disciplines mentioned above, and followed by an assignment in which the student applies the theory to a design topic.

DELIVERABLES

PhD candidates attend in 3 PUUE lectures and hand in the connected assignment.

Evaluating Design from User - Product Interaction Theory (EDUPIT)

Linked course: **Product Understanding, Use, and Experience (ID4210)**

Course coordinator: **prof.dr. Paul Hekkert (p.p.m.hekkert@tudelft.nl)**

Course runs: **1st period (September) until end January**

Contact the coordinator: **before September 1st**

Credits: **3 GS-Credits**

DESCRIPTION OF CONTENT

Understanding User-Product Interaction builds on several scientific disciplines, such as perception, cognition, emotion, human factors.

The course is organized on top of the MSc course ID4210 Product Understanding, Use, and Experience (PUUE), in which students take part in a series of 12 2-hour lectures on design-related topics from the disciplines mentioned above, and followed by an assignment in which the student applies the theory to a design topic.

DELIVERABLES

PhD candidates in this course develop an assignment that goes with one of the lectures. Next to the assignment, the PhD candidate makes a 1-page reflection, which is evaluated by the lecturer of the topic.