



## **Quality of doctoral research and fundamentals of Research by Design**

Lecturer: prof. dr. Johan Verbeke (KU Leuven, Bruksela, Belgia; Aarhus School of Architecture - Aarhus, Dania)

The course is composed of two components:

### **Part A. Fundamentals of Research by Design**

#### **Course description**

This 2.5 day course will introduce the participants into the basics of research by design (RbD). Any kind of inquiry in which design is a substantial constituent of the research process is referred to as research by design ... In research by design, the architectural design process forms a pathway through which new insights, knowledge, practices or products come into being. It generates critical inquiry through design work. Therefore research results are obtained by, and consistent with experience in practice

The course will give background theories and provide some examples and helpful methods.

The sessions will be spread over several weeks in order to allow participants to further develop their research for discussion during the final session.

#### **Syllabus of topics covered**

This session will relate to the individual (RbD) research projects of the participants. These projects should incorporate some design work, creative practice work or similar activities.

Topics covered include:

- knowledge
- artistic research
- reflection



- architectural research
- creative practice research
- research by design

### Relevant literature

1. Adam Jakimowicz & Johan Verbeke (eds.), *Communicating (by) Design. Proceedings of the 2009 international conference at the Sint-Lucas School of Architecture (Ghent/Brussels: Sint-Lucas School of Architecture, 2009).*
2. Michael Biggs & Henrik Karlsson (eds.), *The Routledge Companion to Research in the Arts (Abingdon, Oxon: Routledge, 2010).*
3. Michael Polanyi, *The Tacit Dimension (London: Routledge, 1966).*
4. Donald Schön, *The Reflective Practitioner: How professions think in action (New York/London: Basic Books, 1983).*
5. Michael Gibbons, Camille Limoges, Helga Nowotny, Simon Schwartzman, Peter Scott & Martin Trow, *The New Production of Knowledge (London: Sage, 1994).*
6. Ikujiro Nonaka & Hirotaka Takeuchi, *The Knowledge Creating Company: How Japanese Companies Create the Dynamics of Innovation (Oxford: Oxford University Press, 1995).*
7. Ranulph Glanville, 'Researching design and designing research', *Design Issues*, vol. 15 no. 2 (Summer 1999), pp. 80-91.
8. Johan Verbeke, 'Gerard de Zeeuw and Architectural Research', *System Research and Behavioral Science*, vol.19 no.2 (March-April 2002), pp. 159-66.
9. Murray Fraser, *Design Research in Architecture (Ashgate, 2013).*



## Part B: Quality of doctoral research

### Course description:

Most doctoral programmes require the candidate to provide a thesis which reports on research at international level. At the end, the PhD thesis is evaluated by an external (international) panel of expert researchers. When working on a PhD and especially in the phase of completion, it is important to develop an understanding of what examiners are looking for.

What do the PhD students aim for? What are evaluators looking for?

Are there other formats than the traditional book?

This half day session aims to increase the awareness and understanding of the evaluation process and which aspects are important when completing a doctorate.

### Syllabus of topics covered

This session will be highly interactive. There is no compulsory reading before the session.

After a short introduction, participants will be split in smaller groups to discuss evaluation and quality criteria. The findings will be discussed in plenum. The course leader will present an overview of criteria from different schools of architecture as well as input from reports on what supervisors are looking for.

Relevant books and papers will be communicated and shared during the session.

TERMINY WYKLADÓW			
Data	Dzień tygodnia	Godzina	Sala
2014-12-08	Pn	16.00-19.00	GG 312 A
2014-12-09	Wt	16.00-20.00	GG 312 A
2015-01-26	Pn	16.00-20.00	GG 312 A
2015-01-27	Wt	16.00-20.00	GG 312 A