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The Reflection of Research in Education CAAD

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Introduction

More and more the education of CAAD has a fixed place in teaching architecture and urban planning students. In this point of view, the influence of research in this field is necessary for a good and high qualitative level of lectures using computer tools.

In our department we have three main themes of research:

1. Building informations management
2. Town planning-information management
3. Tools supporting the early staff design stage in architectural design, especially the functional and shape oriented design.

For following courses/projects we are using the results of this research:

- modelling the urban and town situation in their form and attributes (students of urban planning).
- using computer for measure and describe relevant informations for existing buildings and storage this dates in a class-oriented database-configuration (students of architecture)
- define and develop/describe an object-oriented program-systems supporting the functional oriented design aspect (students of informatic in civil engineering building science).

All courses are existing in three parts:

- at first the researcher gives an input of level and results
- secondly the students are hold on to discuss and add/using these results
- as a final project the students give a presentation and critical point of view.

Maybe some results of these courses are not able to be used directly in advancing and improving the research projects. But the students have a contact and feel for tendencies in CAAD and also some critical and new opinions are helpful aspects for further research directions.

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