15.4 The Reflection of Research in Education CAAD

D. Donath

Department of Architecture and Urban Planning
Hochschule fur Architektur und Bauwesen Weimar
Germany

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.
Order a complete set of eCAADe Proceedings (1983 - 2000) on CD-Rom!

Further information: http://www.ecaade.org