

BUILDING INFORMATION MODELING in INTERIOR DESIGN EDUCATION

STUDENT and EDUCATOR EXPERIENCE

A RESEARCH THESIS

RATIONALE FOR THE STUDY

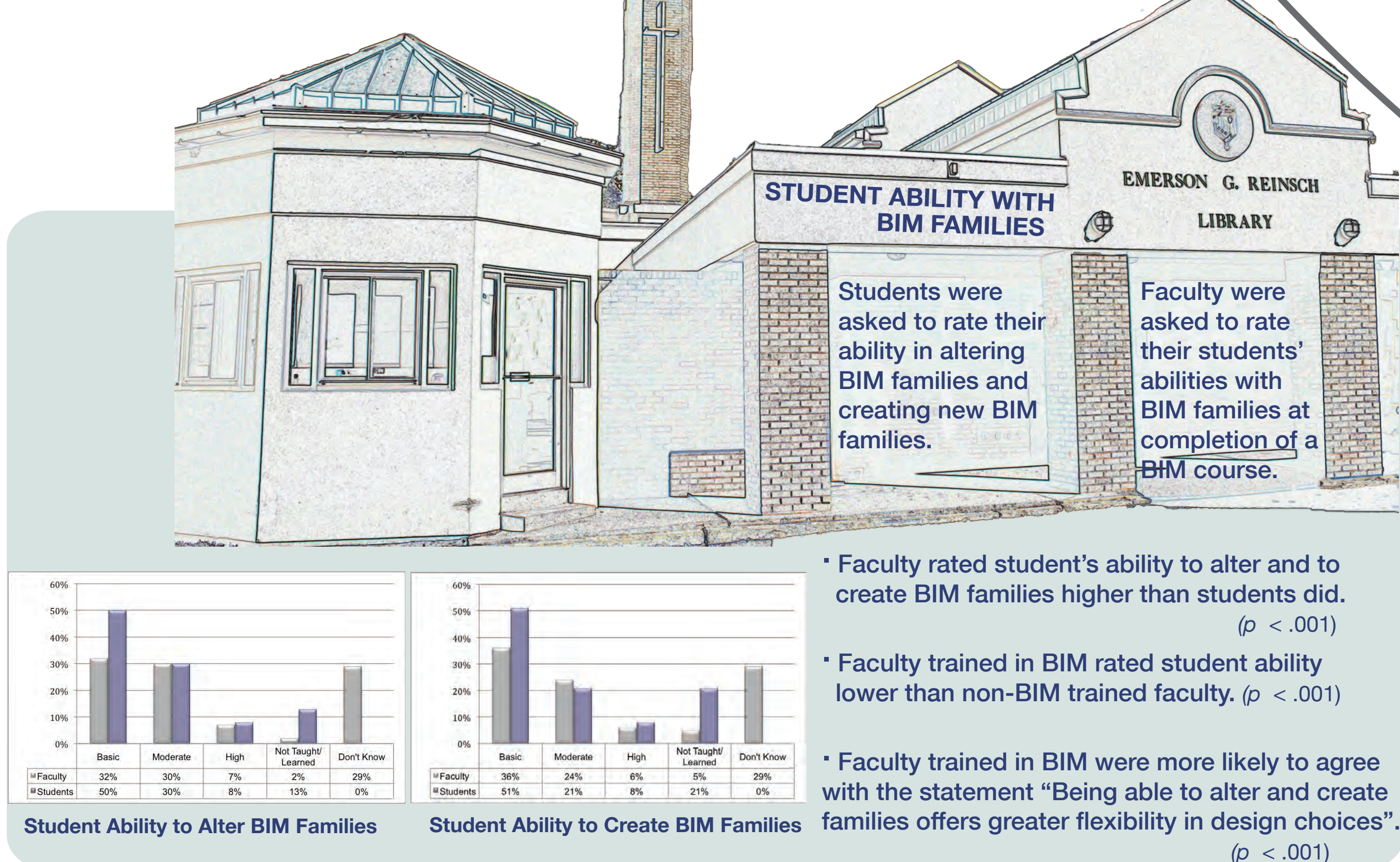
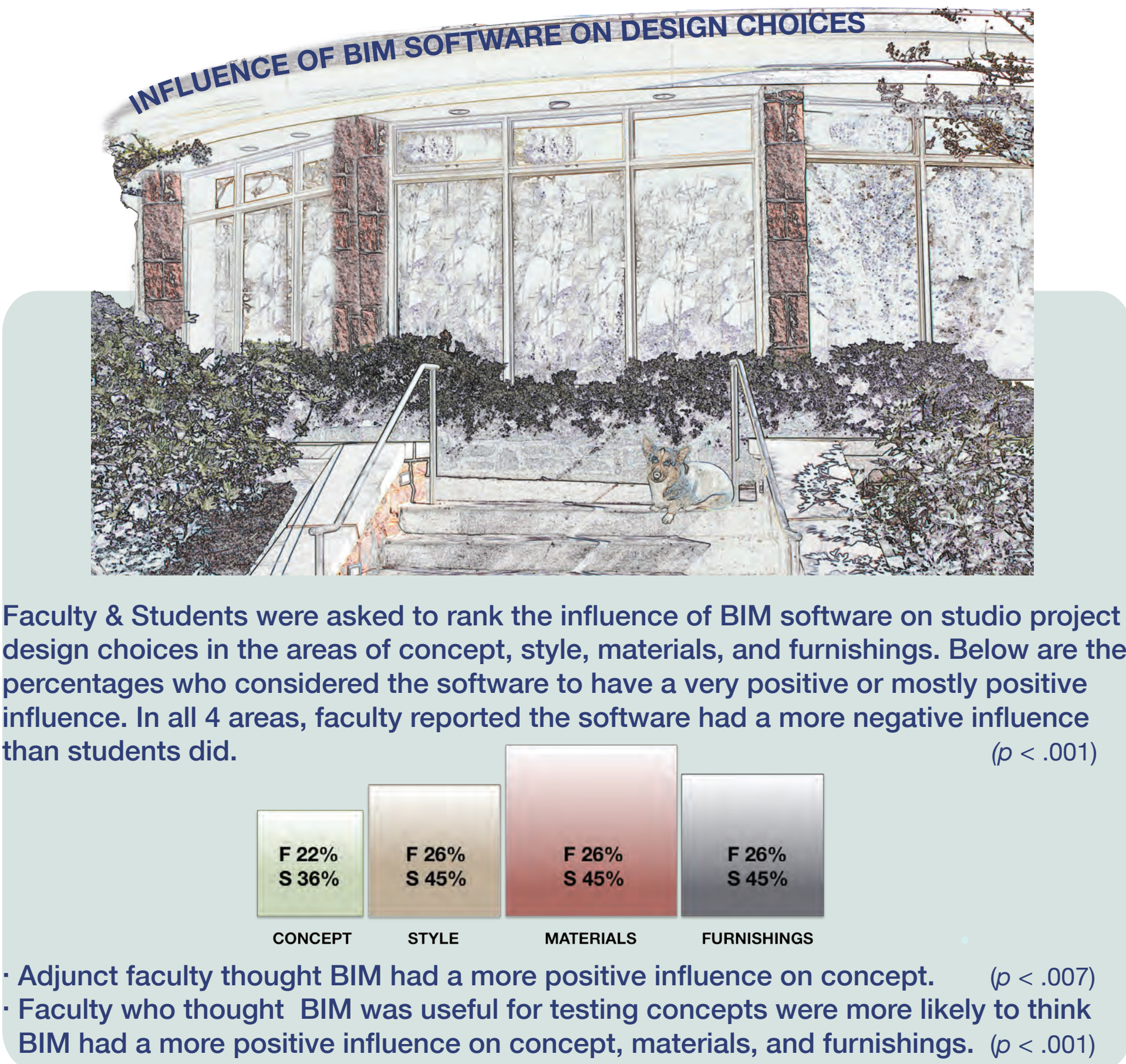
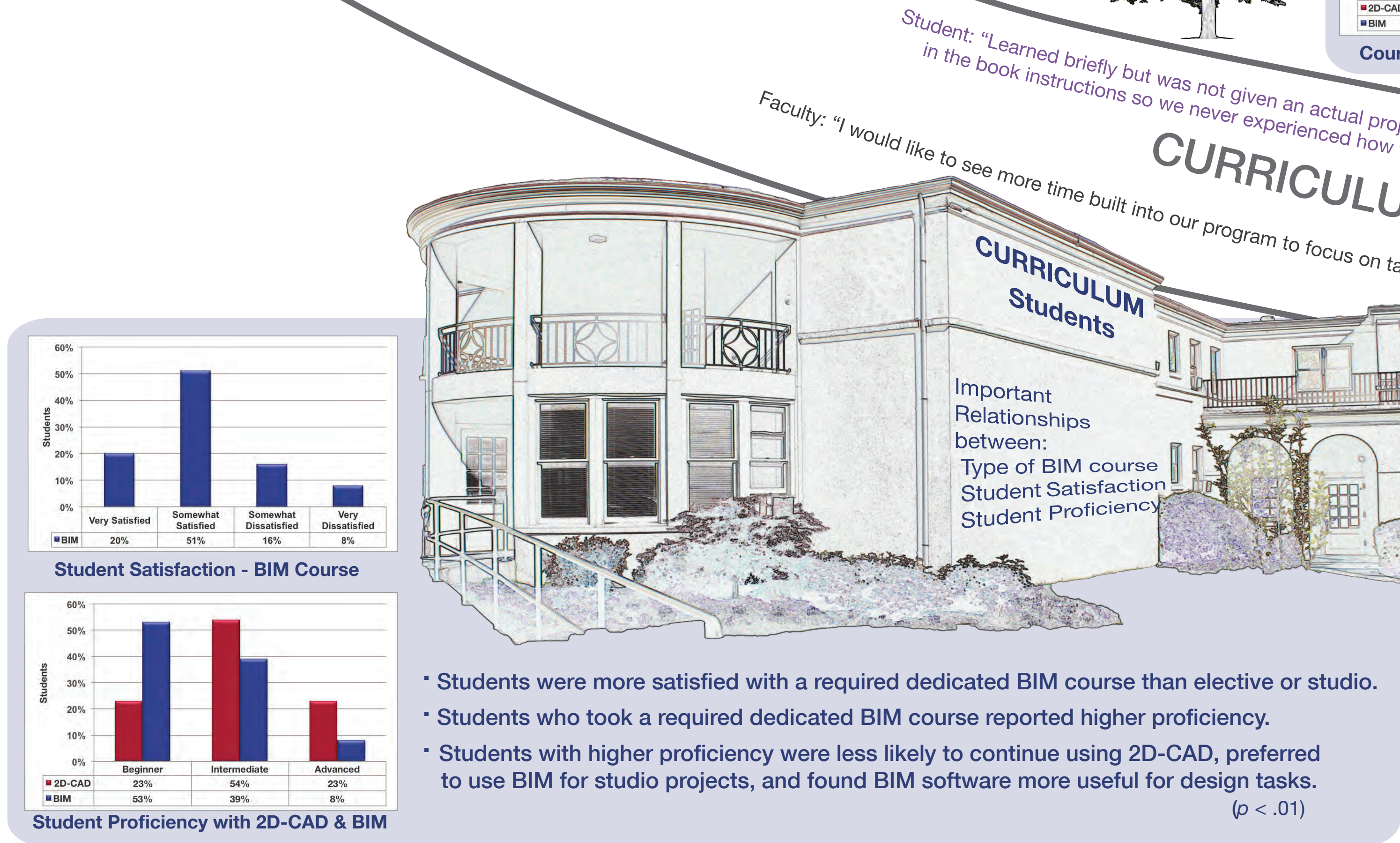
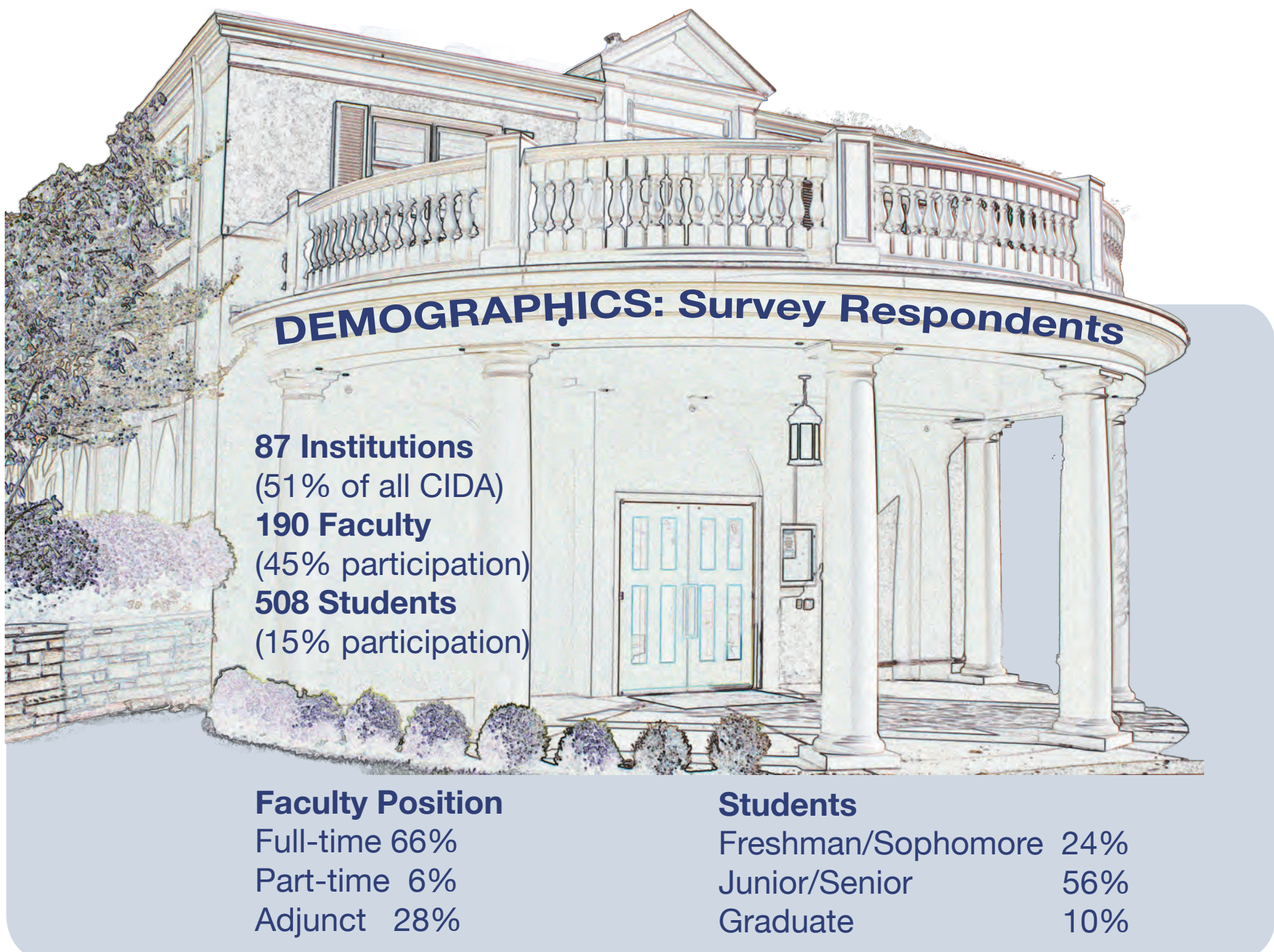
In the past decade, BIM software has been changing the practice of the design community. Educators raised concerns regarding the potential impact of BIM software on curriculum and students' design process. This study examines whether the concerns about use of BIM software in design education have been realized.

GOALS & OBJECTIVES

- Determine the curriculum of 2D-CAD & BIM software
- Examine faculty & student experience with software
- Identify chief advantages & limitations of use of BIM software in education

SCOPE & LIMITATIONS

- Only CIDA-Accredited Interior Design Programs
- Survey is informed by architecture and 2D-CAD literature
- Evaluation of BIM software is with regard to educational use and not an evaluation of professional use



SUMMARY

- Nearly all of the 87 responding Institutions taught Revit. A few, 5%, no longer taught AutoCAD.
- Adjunct professors were more likely to know BIM, but were not more likely to be teaching it.
- A required dedicated BIM software course was associated with greater student satisfaction, higher student proficiency, and more positive student attitudes toward use of BIM software.
- Students appeared to have a desire for earlier and more in-depth BIM software training.
- Faculty with BIM training found BIM more useful for most tasks and found BIM to have a more positive influence on concept, style, materials & furnishings than non-BIM trained faculty.
- Faculty with limited knowledge of BIM may overestimate students' abilities with the software.

RESEARCH DESIGN

METHOD: Electronic Surveys, February 2015
Approval Marymount IRB 11/19/2014

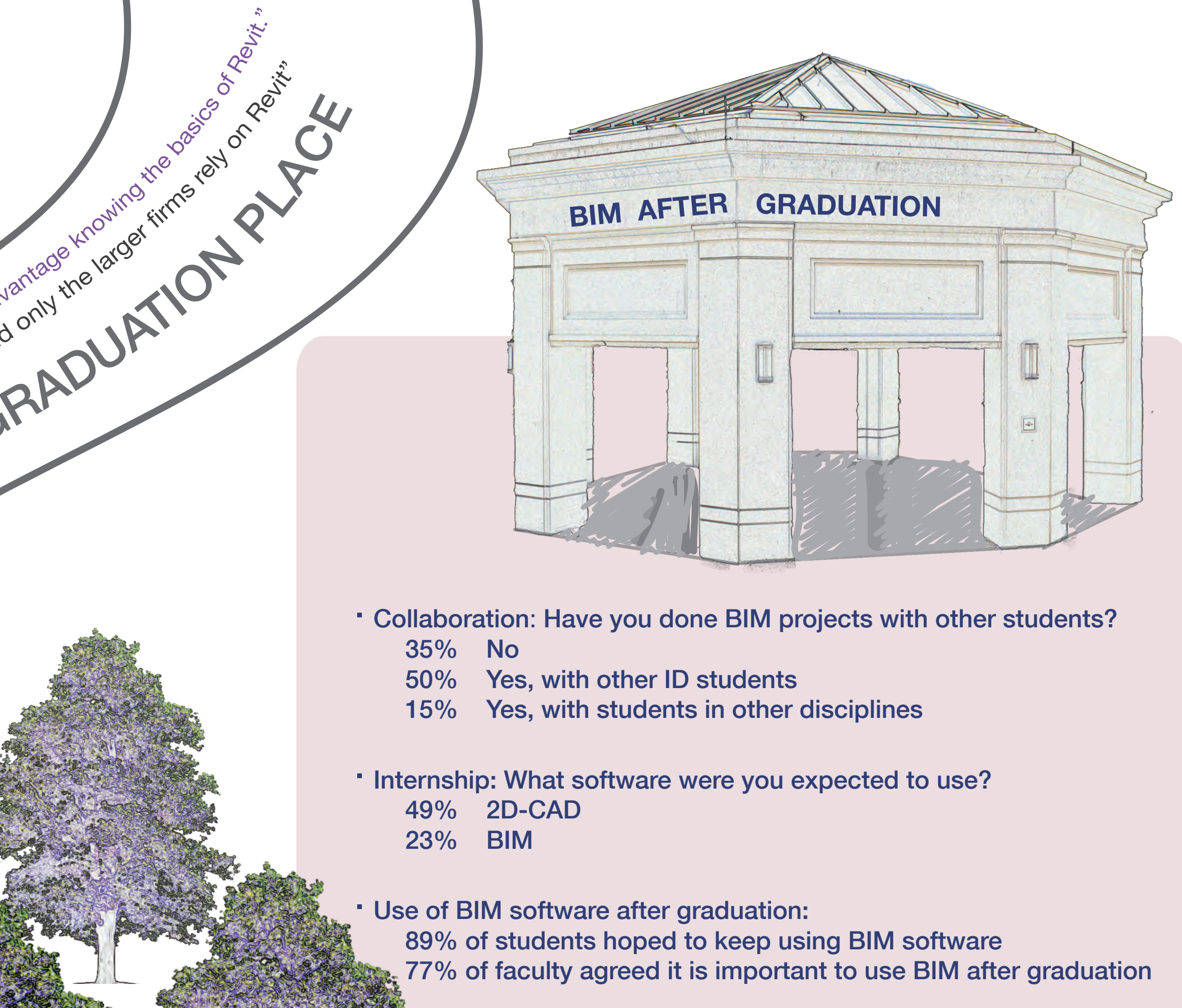
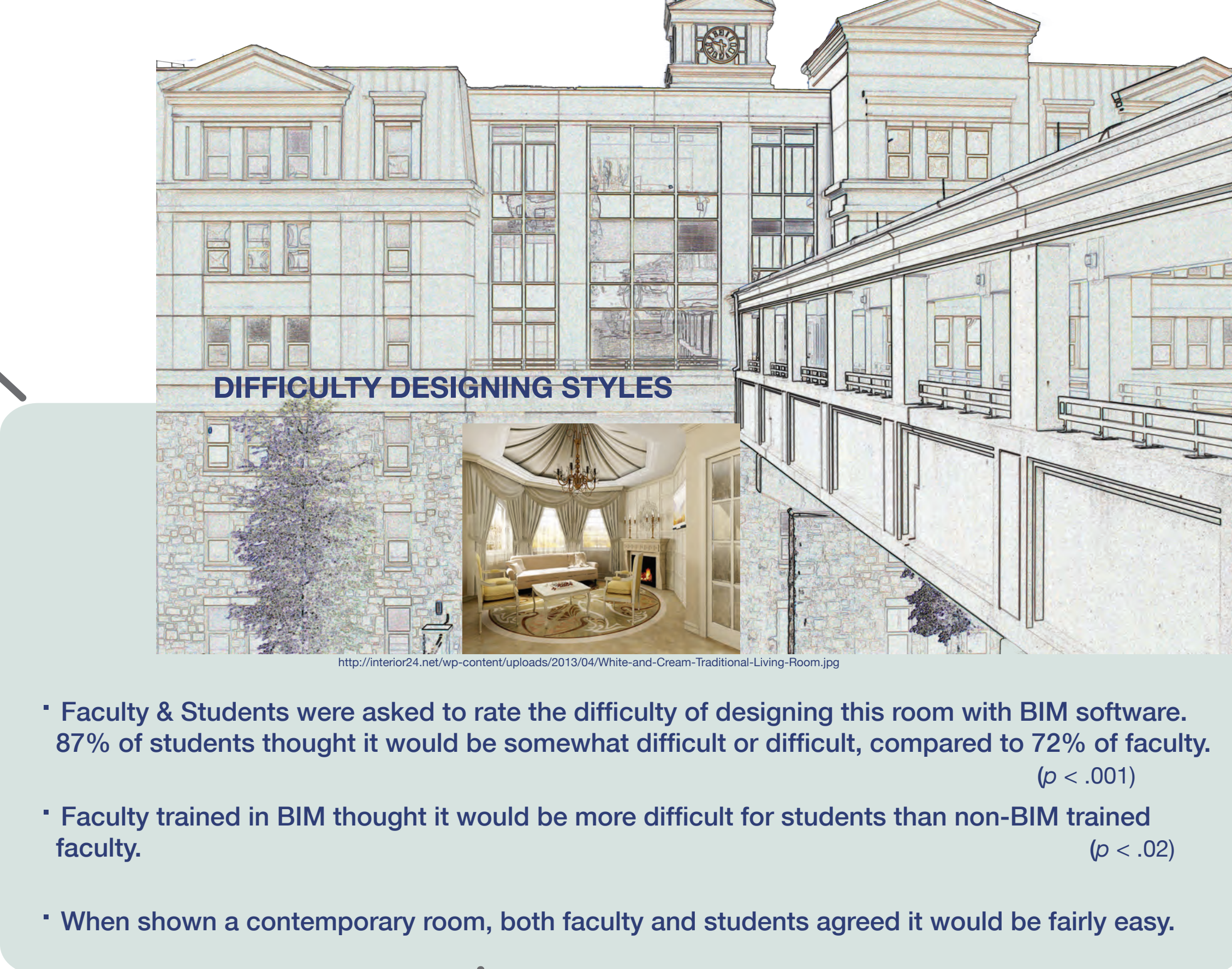
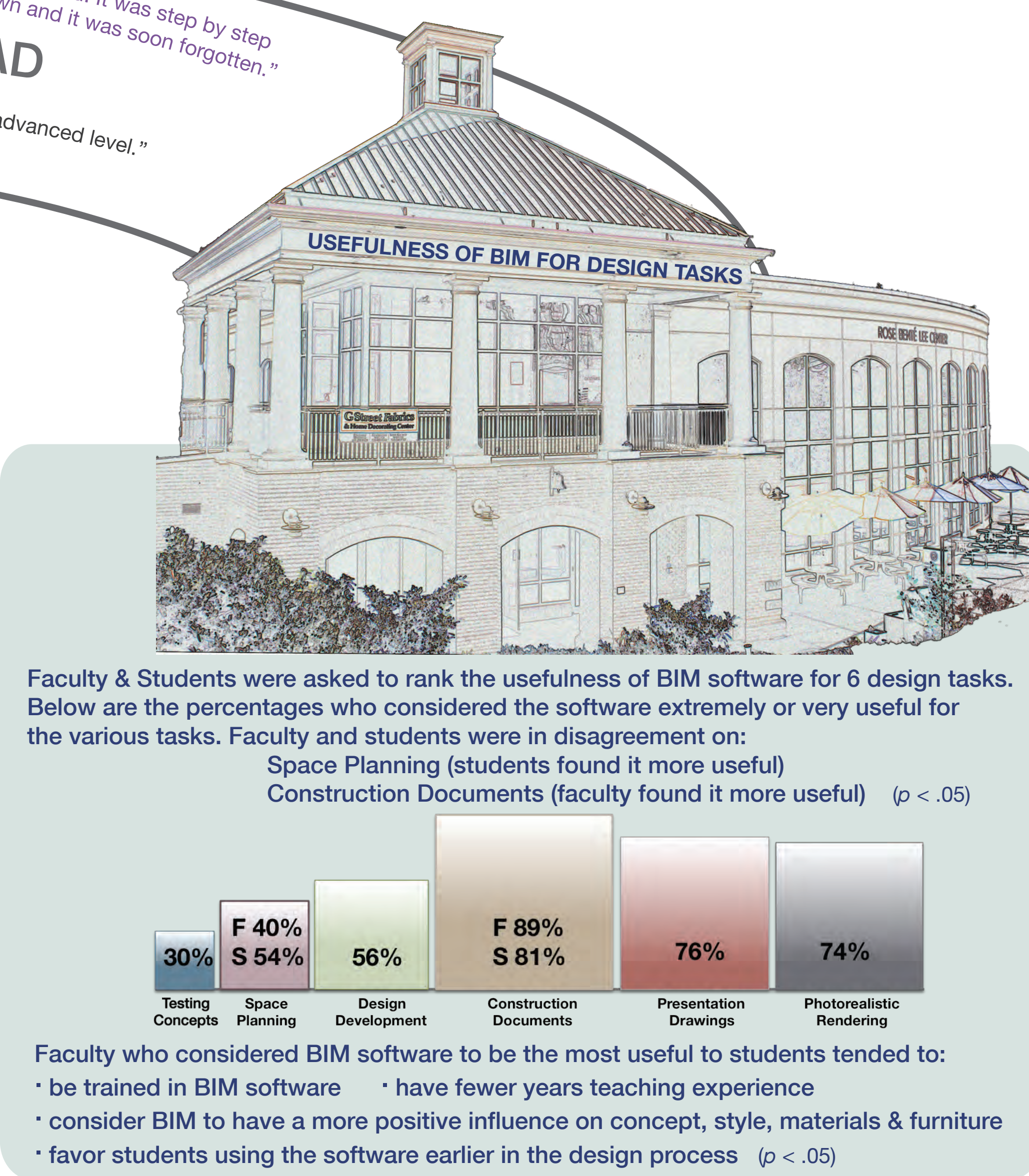
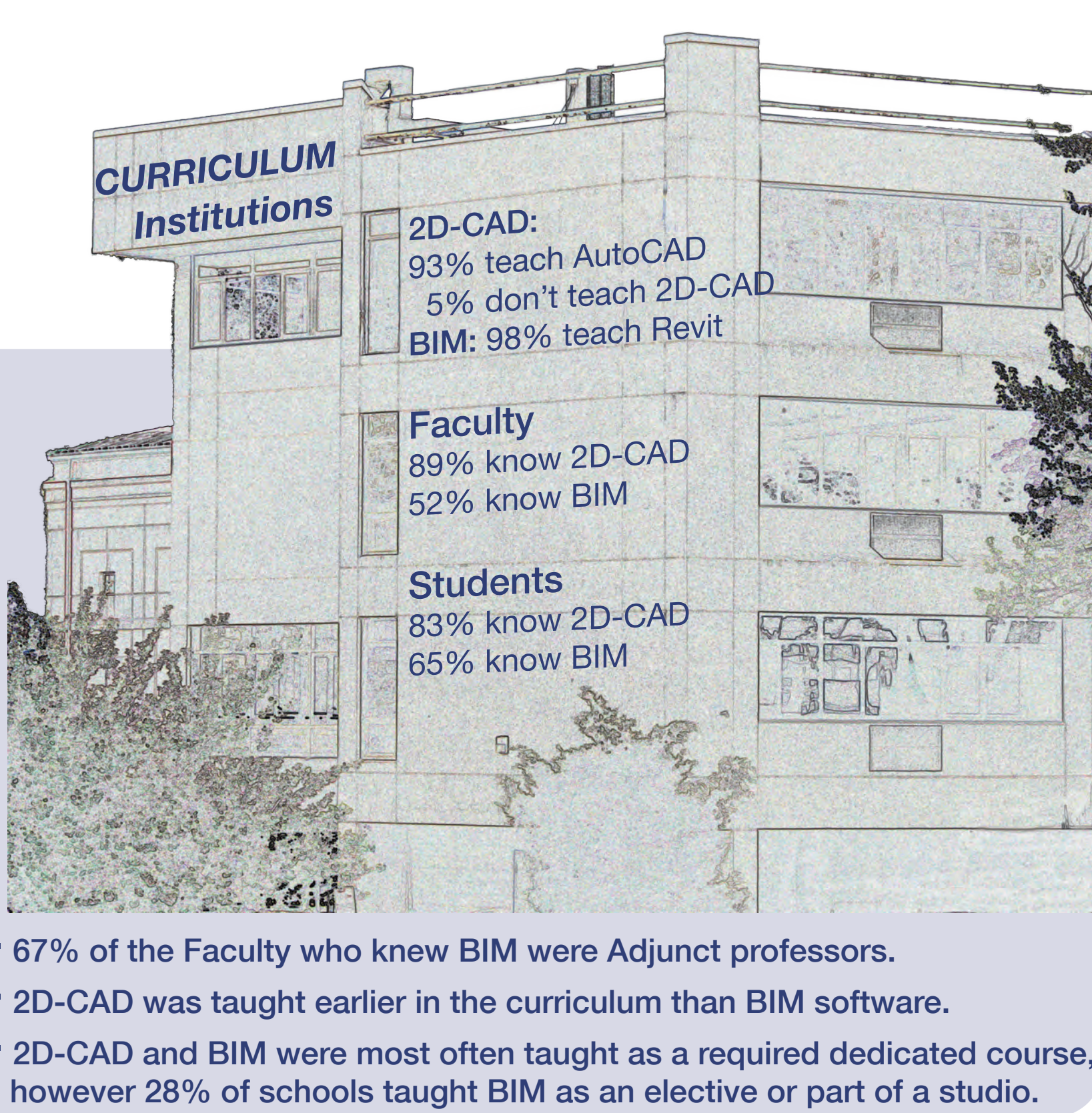
SUBJECTS: Students & Faculty at all 185 CIDA-Accredited Interior Design programs in United States & Canada

PROCEDURE: Survey links emailed to CIDA faculty contact person for each program

DATA ANALYSIS: Descriptive & Inferential Statistics

SURVEY CONTENT:

- Demographic Information
- Curriculum: 2D-CAD & BIM
- Comparisons of BIM software use by students and the faculty expectations of student use.
- Implications for post-graduate use



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Spring 2015