COURSE INFORMATION

Design Development Detailing
Fall 2016
Tuesdays, 9:30-12:15
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PREMISE
When studying architectural design, often we find that the buildings that we celebrate are ones in which the detailing is integral to the design. This leads us to understand that design and detailing have a reciprocal relationship in which one continually informs the other. This class endeavors to explore the techniques and processes behind meaningful details, as they integrate into and influence architectural design, and help in the articulation of an architectural whole.

OBJECTIVES
For students to:
- Acquire the knowledge of the principles associated with the detailing of a building.
- Develop the mindset required to solve building details in a meaningful manner that is associated with, and enhances, the overall design intent of their projects.
- Study and dissect real world examples as a means of understanding the impact and implications of how detailing impacts the overall design.
- Develop the ability to apply these principals to their past and current studio projects
- Acquire an understanding of the role of BIM software, such as Revit, in the developing of the details for a project.
- Develop the student’s critical thinking skills in looking at our built environment to dissect how it is detailed

METHOD AND PROCEDURE
The semester will be primarily organized around a final project in which the students will create a series of details as part of their individual studio projects. The first series of class meetings will focus on studying and understanding building technology to increase the students’ awareness of the critical thinking behind a well-executed detail.
Some key methods used during class are:
1. Techniques/processes for thinking about building technology, with the main focus on envelope technology.
2. In-depth study and discussion of on-the-board projects, or recently completed works where detailing plays an important role in understanding the overall design. This will involve
   a. In class review of details
   b. Student assignments critically studying a built detail, and evolving that detail
   c. Student presentations of their assignments
3. Walks of downtown Charlotte to look at various buildings, and discuss/sketch the techniques used on these buildings.
4. Final presentation/submission of student design details, with written description on how these details are related to their project’s design intent.

REQUIREMENTS AND GRADE BREAKDOWN
Throughout the semester there will be assignments and presentations ranging from drawings to analyzing case studies. Success in this course will be determined by the level of one’s engagement in the assignments throughout the semester. Other factors will include:
1. The level of intensity, enthusiasm and focus exhibited in the work – 15%
2. The quality and craft of the work – 35%
3. The timely resolution and completion of assignments – 25%
4. Attendance, preparedness and participation during in-class discussions – 25%

Note: Number of projects, associated percentages and due dates are subject to change. Class will be notified via email, of any and all changes.

TEXTS AND TOOLS
Subject to change
1. Details in Contemporary Architecture, Christine Killory and Renee Davids
2. Details, Technology and Form, Christine Killory
3. Studies in tectonic Culture, Kenneth Frampton
4. Renzo Piano Building Workshop: Complete Works, Vol 4, Peter Buchanan