

COURSE INFORMATION

Design Development Detailing
Fall 2018

Tuesday/Thursday, 10:00-11:15

UNCC Center City, 10th Floor

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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. The use of BIM, and other tools and techniques either as a part of the students work, or from the instructor's work, to study how to manipulate various materials into a well-crafted detail.
4. Walks of downtown Charlotte to look at various buildings, and discuss/sketch the techniques used on these buildings.
5. Final presentation/submission of student design details, with written description on how these details are related to their project's design intent.

GRAPHIC COMMUNICATION STRATEGY

Throughout the semester students will be expected to graphically, verbally and orally show the connection between an overall idea, and the details associated with that idea. Through this, the students will develop the ability to translate their design intent down to the level of the detail. Students will also learn to identify the correct details to emphasize, how to develop those details, and how to do so while supporting their overall design intent.

CONTENT AND ORGANIZATION

The first part of the semester focuses on teaching students the principles associated with detailing, as well as developing their mindset for designing details that meet an overall design intent. The second part of the semester focuses on developing the students' abilities to apply the principles and mindset to their individual studio projects. This will culminate in their final project, which can used as part of their final studio review. Throughout the semester, students will be studying real world examples of how detailing impacts the overall design, during class time, and as a series of student assignments.

SCHEDULE AND TOPICAL OUTLINE

See attached

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

GENERAL INFORMATION & POLICIES

RESOURCES

The SoA has identified Kate Turabian, et al. *A Manual for writers of Research Papers, Theses, and Dissertations*, 7th ed (Chicago: University of Chicago Press, 2007) as the standard guide for student research, writing, and citation style. SoA students are encouraged to purchase this guide as they will be expected to comply with it in all courses. An abbreviated discussion of Turabian's recommendations for formatting can be found at: <http://www.religiousstudies.uncc.edu/research/writingguideformat.htm>.

For assistance with research, students are encouraged to contact Art and Architectural Research Librarian Larisse Hall. She will be in the Hight Library in Storrs Mondays and Fridays from 12:00 to 6:00 pm and on Wednesdays from 10:00 to 2:30 pm. You can also contact her via email at lhall62@uncc.edu to ask questions or make an appointment to talk I person.

For assistance with writing, students are encouraged to contact the UNC Charlotte Writing Resource Center for free, individual consultations on all stages of the research paper and presentation process. You can reach them by email at wrc@uncc.edu or stop by their offices in Fretwell 220. Additional information about the WRC can be found online at <http://www.uncc.edu/writing/wrc.html>.

POLICIES

Academic Integrity: All written and graphic submittals, in-class presentations, and other academic tasks should be your individual and original work unless specifically noted as group projects. No cheating. No plagiarism. It is assumed that you are aware of and will comply with the spirit and specifics of the UNC Charlotte Code of Student Academic Integrity, which is available online at: <http://www.legal.uncc.edu/policies/ps-105.html>. Violations of the Code of Student Academic Integrity will result in disciplinary action. Faculty may ask students to produce identification at examinations and may require students to demonstrate that graded assignments completed outside of class are their own work.

Disability Services: UNC Charlotte is committed to access to education. If you have a disability and need academic accommodations, please provide a letter of accommodation from Disability Services early in the semester. For more information on accommodations, contact the Office of Disability Services at 704-687-0040 or visit their office at Fretwell 230.

Attendance: In order to fully benefit from and participate in this course, attendance is required. Two (2) unexcused absences automatically lower your final grade one letter grade. More than two (2) unexcused absences will constitute grounds for automatic failure of this course. Documentation of excused absences must be submitted in writing and show evidence of the medical or family emergency. When possible, notify your instructor as early as possible in advance of a potential absence.

Workload: This 3-credit course requires 3 hours of classroom or direct faculty instruction and 6 hours of out-of-class student work each week for approximately 15 weeks.

Late Work: Late work will not be accepted, and will not receive credit. A printed hard copy of each submittal is due at the beginning of the class period on the due date indicated in the class schedule. If you are unable to complete an assignment due to an excused absence, notify the professor on the due date and turn in the assignment at the next class meeting. Failure to turn in two assignments on their due dates is grounds for automatic failure of the course.

Religious Holy Days: Students whose religious beliefs prohibit class attendance or the completion of specific assignments on designated dates may request an excused absence. If the student notifies the instructor of the classes to be missed due to religious holy days by the end of the second week of classes, the student will be excused. (Eligible religions are those whose places of worship are exempt from property taxation.)

Diversity and Respectful Interaction: All perspectives and opinions are welcomed and will be respected in this classroom or studio, as long as they are presented in manner that is respectful. Intolerance will not be tolerated. Be mindful of your conduct when engaged in experiences and discourses with those who differ from you in appearance, race, ethnicity, beliefs, gender, sexuality, style, politics or intellectual position. If you feel personally uncomfortable or alienated, or that

diversity in general is any way stifled in this class, please let the instructor know so that the situation can be remedied.

Be especially aware that studios are a public place, so be sensitive to images and other materials around your desk, including on your computer, which might be offensive to others. In addition, all students are required to abide by the spirit and the specifics of the UNC Charlotte Sexual Harassment Policy, which can be found online at: <http://www.legal.uncc.edu/policies/ps-61.html>.

Culture: Students and instructors alike share responsibility for the collective culture of all SoA courses, all participants are expected to enhance its intellectual life by being present, pro-active, and respectful. All courses actively comply with and promote the SoA and CoAA culture policies, with which it is assumed you are aware. The SoA culture policy is available online at: <http://www.coaa.uncc.edu/Academics/School-of-architecture/About>.

Electronics: At all time during class cell phones, computers and other devices should be switched off and put away, unless permission to use those devices has been explicitly given by the instructor. All students are required to abide by the UNC Charlotte policy on Responsible Use of University Computing and Electronic Communication Resources, which can be found online at: <http://www.legal.uncc.edu/policies/ps-66.html>. Remember that harassment, as defined in the UNC Charlotte Sexual Harassment Policy, is prohibited, even when carried out through computers or other electronic communications systems, including course-based chat rooms or message boards.

GRADING

All courses in the SoA are governed by the rules and regulations of UNC Charlotte as stated in the University Undergraduate and Graduate Catalogs. For more information about these policies, please refer to the appropriate catalog, which can be found online at: <http://www.provost.uncc.edu/catalogs/2007%2D2009/> (undergrad) and http://www.uncc.edu/gradmiss/gs_catalog.html (grad).

Grading of courses conform to the following grading scales and values:

Undergraduate Scale & Values

A	90-100	Excellent
B	80-89	Good
C	70-79	Fair
D	60-69	Passing
F	59 & Below	Failing

Graduate Scale & Values

A	90-100	Commendable
B	80-89	Satisfactory
C	70-79	Marginal
U	69 & Below	Unsatisfactory

These grades are determined according to the following criteria:

A (Excellent / Commendable): Meets or exceeds stated requirements of the course; exhibits significant improvement, development, and/or intellectual growth over the course of the term; exhibits research efforts from which both the instructor and students may learn; all work turned in on time and presented in a professional manner.

B (Good / Satisfactory): Meets the stated requirements of the course; exhibits good improvement, development, and/or intellectual growth over the semester; provides a measure for student emulation; and all work is turned in on time and well presented.

Grad C (Marginal): Fails to meet most requirements of the course (the work is incomplete to a significant degree); exhibits little or no improvement, development, and/or intellectual growth over the semester; and/or work is of a caliber only marginally acceptable at the graduate level.

Undergrad C (Fair): Meets most requirements of the course; exhibits limited improvement, development, and/or intellectual growth over the semester; and all work is turned in on time and neatly presented. An accumulation of 3 marginal C grades will result in suspension of a student's enrollment. For Bachelors of Architecture students, a grade of C is the minimum passing grade.

Undergrad D (Passing): Fails to meet most requirements of the course (the work is incomplete to a significant degree); exhibits little or no improvement, development, and/or intellectual growth over the semester; and/or work is of a caliber only marginally acceptable at the university level. For B Arch students, a grade of D or worse in studio requires repetition of the course before advancement. For BA in Architecture students, one grade of D is permissible, however, a grade of D in a subsequent studio requires repetition of the course before advancement. Courses may not be repeated more than once. Academic suspension occurs for BA students with their third studio grade of D or worse and for BArch students with their second grade of D or worse.

Undergrad F (Failing): Fails to meet the requirements of the course; and/or the work is incomplete or of a caliber unacceptable at the university level. A grade of F in a studio requires repetition of the course before advancement. Academic suspension occurs for BA students with their studio third grade of D or worse and for BArch students with their second grade of D or worse.

Grad U (Unsatisfactory): Fails to meet the requirements of the course; and/or the work is incomplete or of a caliber unacceptable at the graduate level. A grade of U will affect eligibility for continued enrollment and will not apply towards degree requirements.