ARCH 3520/8520 LARC 4250 Fluid Studio
Class meeting times and location: Course Meets 1:30 to 5:30P MWF
Instructor: David Pastre
Office hours: 10:00am to 5:30pm or by appointment
  Professor Pastre’s Telephone Information:
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  Fax: 843.723.1748
  Cell: 843.696-3343
Professor’s Office Location:
  Clemson Architecture Center in Charleston (CAC.C) at the Clemson Design Center in Charleston (CDC.C)
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  Suite 202
  Charleston. South Carolina 29403-5092
Email: David Pastre / http://pastre@g.clemson.edu

I. Course Description:
Design studio for projects of relative complexity, with varied scales and programs, with an emphasis on pre-design, technical documentation, and collaborative processes. Emphasizing the relationship between architecture, site, and context, this studio may be located in Clemson, Charleston, Barcelona, Genoa, or other fluid campus locations.

ARCH 3520 Studio Charleston 6(1) Addresses architectural problems with varied scales and programs in the context of Charleston, South Carolina. Emphasizes the relationship between architecture and context. Projects include analysis, conceptual development, and architectonic resolutions. Continued development of graphic and oral communication skills. Design problems vary every semester according to current issues. May be repeated for a maximum of 12 credits. Preq: ARCH 2520. Co-req: ARCH 3521.

ARCH 8520 Design Studio V 6(18) Design studio for increasingly comprehensive design projects, with varied scales and programs, with an emphasis on pre-design, site design, sustainability, and collaborative processes. Emphasizes the relationship between architecture, site and context. Studio may be located in Clemson, Charleston, Barcelona or Genoa. Preq: ARCH 8510.

STUDIO V will focus on architecture and tectonics, particularly the relationship between design and building. Although it is not anticipated, we may hand something on to a later studio. This means that students need to be willing to work within criteria or ideas not of their own generation, an ability required in professional practice and expected of mature students, and be able to pass on to others a clear and rational agenda grounding in the essence of the project.

STUDIO V will emulate practice in that, unlike standard academic exercises, students will not always work in isolation on hypothetical situations. We will work often in collaboration.
Clemson University School of Architecture
Fall 2018

II. Course Objectives and Learning Outcomes:

GOALS

DESIGN AS INFORMED BY MAKING: The studio will offer an approach to design informed by how something is assembled and the materials from which it is made.

OBJECTHOOD: The studio will offer a rigorous approach to making that yields excellence in the final artifact. While we are interested in material excellence (the quality of materials, joints, workmanship, and so on), we are more concerned with objecthood: the qualities exhibited by the physical artifact.

CRAFT: Students may learn and employ craft in the execution of the work, which will require patience, planning, understanding tolerance in materials and tools, testing and mock-ups, and the working with the limits and capabilities of tools and materials.

CONSTRUCTION DOCUMENTS: Students will be introduced to contract documentation, and learn about correlations between construction and construction documents.

SCHEDULING: Students will be introduced to the “critical chain” method of scheduling, learning how to plan simple construction and design projects.

OBJECTIVES

APPLIED LEARNING: STUDIO V will offer an approach to making and design in the context of actual projects: we will realize an actual project on an actual site for an actual client. Accordingly, students will get to learn personal accountability; contribution to purposes larger than one’s self, collaboration, negotiation, compromise, and the ability to work in the field under physically demanding conditions, improvisation, and resourcefulness.

COLLABORATION: While students will have individual responsibilities, they will be asked to collaborate with others, including the professors. To collaborate in the highest sense means to put the collective ahead of individual self-interests. Collaborators strive to achieve a work that results from synchronized group effort, where each member contributes, not the same work as others, but according to each person’s best attributes.

ITERATIVE METHOD: STUDIO V will employ an iterative design/production methodology, applicable not just on design/build work.

III. General Education Cross-Cultural Awareness:

The course objectives include developing the ability to critically compare and contrast world cultures in historical and/or contemporary contexts through the pre-design research, site research and analysis exploring physical, cultural, demographic and economic contexts of the project, analysis and design of a use-program with diverse user needs being considered, and the situating of the project within global architectural production past and present as shown in the conceptual approach.

IV. NAAB Student Performance Criteria:

The School of Architecture’s educational mission is guided by the National Architectural Accrediting Board’s Conditions and Student Performance Criteria, which include goals for knowledge and abilities in the areas of (Realm A) Critical Thinking and Representation; (Realm B) Integrated Building Practices, Technical Skills and Knowledge; and (Realm C) Leadership and Practice. NAAB defines understanding as the “capacity to classify, compare, summarize, explain and/or interpret information” and ability as “proficiency in using specific information to accomplish a task, correctly selecting the appropriate information, and accurately applying it to the solution of a specific problem, while also distinguishing the effects of its implementation.”
The NAAB student performance criteria that all sections of ARCH 8570 must provide evidence of are:

A.8. Cultural Diversity & Social Equity: Understanding of the diverse needs, values, behavioral norms, physical abilities, and social and spatial patterns that characterize different cultures and individuals and the responsibility of the architect to ensure equity of access to sites, buildings, and structures.

B.1. Pre-Design: Ability to prepare a comprehensive program for an architectural project that includes an assessment of client and user needs; an inventory of spaces and their requirements; an analysis of site conditions (including existing buildings); a review of the relevant building codes and standards, including relevant sustainability requirements, and an assessment of their implications for the project, and a definition of site selection and design assessment criteria.

B.2. Site Design: Ability to respond to site characteristics, including urban context and developmental patterning, historical fabric, soil, topography, ecology, climate, and building orientation, in the development of a project design.

V. Course Materials:
Required Reading(s): Readings are identified in each Project Brief.

Materials and Supplies Required For Class:
In general, the materials required for the class include those typically required of any design studio and include, but not limited to: drawing equipment to including architect and engineer scales, Sharpie pens, #G314 drafting pencils, tracing paper, sketch book, magic markers, colored pencils, and drawing pens/pens. A limited number of iMac computers with Internet access are available for student use both in the studio and the library. Available for student use are printers, plotters, large-format scanner, laser cutter, foam cutters, model building tools, 3D printer, flat screen displays, laptop computer, digital camera, digital video camera, and a complete wood and metal workshop.

VI. Assessment of Student Performance and Grading Policies:

The grading system is as follows:

Graduate students only are now being graded on a “+” or “-” basis as follows:

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<tr>
<th>Grade</th>
<th>Score</th>
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<tr>
<td>A</td>
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<tr>
<td>A-</td>
<td>3.66</td>
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<tr>
<td>B+</td>
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<tr>
<td>B</td>
<td>3.00</td>
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<tr>
<td>B-</td>
<td>2.66</td>
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<tr>
<td>C+</td>
<td>2.34</td>
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<tr>
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<tr>
<td>C-</td>
<td>1.66</td>
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Undergraduate students will be graded on the following basis that does not include

A—Excellent indicates work of a very high character, the highest grade given.

B—Good indicates work that is definitely above average, though not of the highest quality.

C—Fair indicates work of average or medium character.

D—Pass indicates work below average and unsatisfactory, the lowest passing grade. (undergraduates only)

F—Indicates that the student knows so little of the subject that it must be repeated in order that credit may be received.

I—Indicates that a relatively small part of the semester’s work remains undone. Grade I is not given a student who made a grade F on his/her daily work. Students are allowed thirty days after the beginning of the next scheduled session, excluding summers and regardless of the student’s enrollment status, to remove the incomplete grade. Normally, only one extension for each I may be granted, and this under unusual circumstances. The extension must be approved in writing by the instructor of the course and the chair of the department in which the course was taken. The extension will indicate the nature and amount of work to be completed and the time limit. (Students under this policy are prohibited from removing the I by repeating the course.) A letter grade of I converts to F unless the incomplete is removed within the time specified.

W—Indicates that the student withdrew from the course or was withdrawn by the instructor after the first two weeks of classwork and prior to the last seven weeks of classes, not including the examination period. Proportionate time periods apply during summer and other shortened sessions. Each undergraduate student is allowed to withdraw or be withdrawn with a grade of W from no more than 17 hours of coursework during the entire academic career at Clemson University. Transfer students may withdraw from no more than 12 percent of the total work remaining to be done in the chosen undergraduate curriculum at the time of transfer to Clemson University up to a total of 17 hours of coursework, whichever is fewer. Partial credit for courses cannot be dropped. A student who exceeds these limits of hours or who is enrolled during any part of the last seven weeks of classes shall have final grades recorded. A student may withdraw from the University subject to the restrictions above. Additionally, pending approval from the provost or the provost’s designee, students may withdraw from Clemson University one time only during their academic careers prior to the final seven weeks of classes (proportionate time periods apply during summer and other shortened sessions), without reduction from their allotted W hours. Any variance from these restrictions must be approved by the provost or the provost’s designee and must be requested within 90 calendar days (exclusive of summer vacation) from the date printed on the grade report. The student must document the circumstances supporting the request. For financial aid purposes, enrollment is defined and satisfactory academic progress levels are established as of the last day to register or add classes. Withdrawal can negatively impact financial aid eligibility if a student does not complete a sufficient number of hours. Details are available in the publication Financing Your Clemson University Education.
Additional information on grading requirements of the School of Architecture are available at https://www.clemson.edu/caah/departments/architecture/files/files-programs/files-graduate/arch-grad-handbook-2018-19.pdf

VII. Academic Integrity and Other Policies:
“As members of the Clemson University community, we have inherited Thomas Green Clemson’s vision of this institution as a ‘high seminary of learning.’ Fundamental to this vision is a mutual commitment to truthfulness, honor, and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form.”

All work submitted for a grade must be your own, unless group work is assigned. All text included in assignments that was written by someone other than the student must be correctly quoted and cited.
Learning Culture Policy:
The Learning Culture Policy presents guidelines for working together in the School of Architecture. See: http://www.clemson.edu/caah/departments/architecture/files/files/about/Learning_Culture.pdf

Facility Use and Care:

VIII. Class Attendance, Late Professor, and Late Work Policies:
The academic resources of Clemson University are provided for the intellectual growth and development of students. Class attendance is critical to the educational process; therefore, students should attend scheduled courses regularly if they are to attain their academic goals. In the event of an emergency, the student should make direct contact with the course instructor, preferably before a class or an exam takes place. Students should speak with their course instructors regarding any scheduled absence as soon as possible and develop a plan for any make-up work. It is the student’s responsibility to secure documentation of emergencies, if required. Excessive absences is considered to be three (3) unexcused absences during the course of the semester.

Course instructors must implement fair grading procedures and provide an opportunity to make up missed assignments and examinations that does not unfairly penalize the student when an excused absence is accepted. Such make-up work shall be at the same level of difficulty with the missed assignment or examination. Course instructors shall hold all students with excused absences to the same standard for making up missed assignments or examinations. While course instructors should seek to make reasonable accommodation for a student involved in University-sponsored activities, students should understand that not every course can accommodate absences and that absences do not lessen the need to meet all course objectives.
Absence from class is detrimental to the learning process, so course instructors may use reasonable academic penalties which reflect the importance of work missed because of unexcused absences. Course instructors who penalize students for unexcused absences must specify attendance requirements as related to grading in the course syllabus and must keep accurate attendance records. Course instructors are obligated to honor exceptions to the university attendance policy for students covered by the Americans with Disabilities Act, as verified through paperwork issued by Student Disability Services.

IX. Email, Electronic Devise, and Technical Failure Policies
Please check your Clemson email address at least once a day for potential messages dealing with this course. Do not forward your Clemson mail to another account (Yahoo, AOL, etc.) as those accounts tend to have issues like full in-boxes and limitations on attachments. See https://www.clemson.edu/caah/departments/architecture/files/files-programs/files-graduate/arch-grad-handbook-2015-16-080115.pdf

X. Accommodations for Students with Disabilities
Student Disability Services coordinates the provision of accommodations for students with disabilities in compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990.

Reasonable and specific accommodations are developed with each student based on current documentation from an appropriate licensed professional. All accommodations are individualized, flexible and confidential based on the nature of the disability and the academic environment. Housing accommodations for a disability or medical condition are also coordinated through this office.

The office is located at G-20 Redfern Health Center. Call 864-656-6848 for an appointment. To review policies and procedures visit our Web site at: http://clemson.edu/sds.

XI. Sexual Harassment Statement
This document defines Clemson University’s policy regarding harassment/discrimination. Clemson University is committed to an educational and work environment in which all individuals are treated with respect and dignity, free from harassment and/or discrimination. Accordingly, it is the policy of Clemson University that harassment/discrimination as defined in this policy, by employees, students or non-employees will not be tolerated. It is also the policy of Clemson University that retaliation against any person who has filed a complaint of harassment/discrimination or who has assisted or participated in any manner in the investigation and resolution of a complaint of harassment/discrimination is prohibited and subject to disciplinary action.

XII. Topical Outline and Schedule
This Fall the studio is devoted to the execution of one project- researching and designing open air retail stands for the Farmstead, which acts as a Gateway to the new Kiawah River development. The Farmstead is going to give Johns Island residents the opportunity to buy locally grown produce, while a gourmet market, being design by Reggie Gibson Architects will provide freshly baked delicacies. The studio will be fabricating, and installing the open air retail stands on Johns Island by semester’s end.
Pre-Design: Preparatory
- Prepare interpretative analysis of the subject “site”
- Prepare existing conditions documentations
- Review regulatory requirements
- Analyze site and site context
- Conduct precedents research
- Review proposed program narrative
- Develop assessment of project issues
- Prepare series of design principles and/or strategies

Client / Community Engagement
- Community programming/design workshops

Design Studies
- Prepare conceptual strategies
- Prepare conceptual proposals
- Present the designs before the Kiawah River Development group and its partners for approval.

Final Product
- Prepare a full set of construction documents for approval by the Charleston County office of building inspections.
- Fabricate and install the approved design on site.
- Prepare final bound documentation of all work completed during the semester.

The graded components of the studio will be weighted as follows:

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