

Fall 2016 Architecture Electives

Non-architecture majors should contact instructors about taking their courses (unless otherwise indicated).

ARCH 105 – ENVIRONMENT, CULTURE, AND SOCIETY

ALBERT POPE, TIM MORTON, AND DOMINIC BOYER, T & TH 1-2:15 PM

This introductory course in environmental studies helps students to better understand the complex interrelationship between human cultures and their social and physical environments. Lectures and assignments draw up the methods and expertise of architecture, the humanities, and the social sciences.

ARCH 307/607 – INTRO TO LANDSCAPE ARCHITECTURE: HISTORY AND METHOD

ANDREW ALBERS AND ERNESTO ALFARO, T & TH 7 – 8:15 PM

This course provides an introduction to landscape architecture through a survey of its history, and through direct application to a studio project. From the historic gardens at Versailles to the current Millennium Park in Chicago, the direct manipulation and design of land has a long and complex set of rules, traditions and practices. The focus will be on the consideration of how architecture extends beyond the interior and its relationship to an equally important external fabric. The course is comprised of interactive lectures on landscape themes, and the application of specific concepts imparted into design exercises.

ARCH 311/611 – HOUSTON ARCHITECTURE

STEPHEN FOX, T & TH 1 – 2:29 PM

The course consists of a series of illustrated lectures and walking tours that describe and analyze the architectural history of Houston. The basis of the lectures is a chronological account of the development of Houston from its founding in 1836 to the present. Characteristic building types and exceptional works of architecture are identified for each period within the city's development. Notable architects who worked in Houston are also studied and the evolution of the practice of architecture is profiled. Walking tours acquaint class members with outstanding buildings and educate them in developing an awareness of the historical dimension of urban sites. *Open to non-architecture majors.*

ARCH 313/613 – CASE STUDIES IN SUSTAINABLE DESIGN

RIVES TAYLOR, TH 7-9:45PM

This course will explore sustainable design from initial sustainable facility concepts and team organizations, to enlisting community support and process assessment. The course develops into details about sustainable design, lessons learned, processes and outcomes. *Open to non-architecture majors*

ARCH 327/627 - RICE BUILDING WORKSHOP SEMINAR

NONYA GRENADER AND DANNY SAMUELS, T & TH 10:50 AM – 12:35 PM

The Rice Building Workshop involves graduate and undergraduate students in the design and construction of real community-based projects at various scales. Elective courses and course sequences will be formatted to address the specific requirements of each project as required. Please consult postings for further information. *The course is open to qualified non-Architecture majors.*

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ARCH 353/653 – PHOTOGRAPHY FOR ARCHITECTS

FRANK WHITE, T & TH 9:25 – 10:40 AM

This foundation course focuses upon photographing architecture. The goal is to acquire a high level of proficiency in order to visually communicate with consistency. Two thirds of the course is technical, exploring basic camera techniques, color management and photo shop. The class is highly interactive with weekly assignments that build upon one another incrementally. It is fast moving with a considerable amount of information covered within a short period. The knowledge and skills acquired are in direct proportion to the individual's attendance at the lectures, fulfilling the assignments, and active participation during critique. *Open to non-architecture majors.*

ARCH 423/623 (1) – PROFESSIONALISM AND MANAGEMENT IN ARCHITECTURAL PRACTICE

ALAN FLEISHACKER, T & TH 2:30 – 3:45 PM

Students will explore the challenges, standards, expectations and demands that apply to a design professional. They will learn how to start, organize and manage a professional firm and protect it from preventable risks. They will study how a project becomes a reality, starting with marketing and sales efforts, writing and negotiating the contracts involved, turning a design idea into reality, getting it built and handling claims. Architects, engineers and constructors who are directly involved in the construction industry provide real world profiles of their practices. Students will also do case studies of completed projects. *Open to non-architecture majors.*

ARCH 431/631 – ARCHITECTURE AND THE CITY

LARS LERUP, TH 9:30 – 11:50 AM

The City is one of the prime subjects of interdisciplinary investigation. The City is an ancient project that has produced not just obvious physical evidence such as Agriculture, Architecture and Technologies, but an abundance of human organizations and life styles such as economies, governments, the American Dream, hospitals and universities; In other words a vast and daunting subject. This course will narrow the investigation to Architecture and the City by taking a particular view of the interconnections between the culture of cities and its architectural manifestations. These connections have over time produced a subfield known as urbanism and it is within this domain that a series of case studies of cities and architecture will be made. *Open to non-architecture majors.*

ARCH 433/633 – CULLINAN SEMINAR

SARAH WHITING, T 9:30 – 11:50 AM

The fall 2016 Cullinan Seminar is open to all students in the school of architecture, but will be capped at 16 students, based on a statement of intent handed in at the first seminar session. This seminar focuses on contemporary practice and discourse with close readings of the writings and projects of the semester's four RSA Cullinan visitors, who are architects, writers, theorists, and designers practicing all over the world. In addition to doing substantial reading for every class meeting, writing two short papers and submitting discussion questions only a weekly basis, students will interview the four guests. Previous Cullinan guests have included Sarah Oppenheimer (artist, New York), Sam Jacob (Sam Jacob Studio, London), Juan Herreros (estudio Herreros, Madrid) and Alessandra Cianchetta (AWP, Paris). *The course is open to qualified non-Architecture majors.*

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ARCH 455 – HOUSING AND URBAN PROGRAMS: ISSUES IN POLICY

TOM LORD, TH 1:00 - 2:15 PM

This course will explore current issues in the formulation and implementation of housing and urban development programs in the U.S. An oral presentation and written paper on a specific topic within a general policy area required. *Open to non-architecture majors*

ARCH 610 – HISTORY, THEORY, & STRUCTURE: PARIS PROGRAM

JAMES NJOO, LUCIANO RIGOLINI, FRANÇOISE FROMONOT, GARRY WHITE, & GAELLE REY,

TH 1:00 - 5:00 PM

This course will explore current issues in the formulation and implementation of housing and urban development programs in the U.S. An oral presentation and written paper on a specific topic within a general policy area required. *Open to non-architecture majors*

ARCH 691 – REAL ESTATE DEVELOPMENT AND ARCHITECTURAL DESIGN

WILL CANNADY, T & TH 2:30 – 3:45 PM

This courses's goal is to study an economically feasible development and design concept for a high-rise boutique hotel adjacent to the Rice University campus at the northwest corner of Greenbriar Dr. and University Blvd. The site is part of the Rice University land holdings in the Rice Village. RSA students will explore alternative design concepts and develop a "back of the envelope" schematic design in conjunction with JGSB students who will develop a "Back of the envelope" feasibility package. Teams must meet the owner's design intentions and economic objectives, as well as the contextual challenges of the Rice Campus, the Texas Medical Center and West University. Issues considered will include land purchase versus long-term lease, Rice University's and developer's goals, market and feasibility analysis, allowable cost, cost estimation with design team/construction firm, financing options and influences on design through quality and cost choices. *Open to non-architecture majors.*

ARCHITECTURE ELECTIVES CROSS-LISTED WITH ART HISTORY

HART 302/568 (2) – FROM THE SUBLIME TO THE SUSTAINABLE: ART, ARCHITECTURE, AND NATURE FABIOLA LOPEZ-DURAN

This seminar will explore the tectonic potential latent in heavy timber construction systems. As carbon emissions emerge as a driver for new economies, building with wood is increasingly considered as a realistic alternative to other construction systems for mass housing, such as steel or concrete.

Interestingly enough, most of the research on high rise timber construction tends to focus on purely technical issues ignoring the constructive and aesthetic potentials of this new building method. This should come as no surprise, as it has often happened with new construction technologies that they take a while to be absorbed culturally: the first iron bridges for instance emulated stone ones, and it was only with time that they found their own formal logic. The seminar will focus on precisely the scale that goes from the construction detail to the repetitive structural system, producing a catalog of new possibilities that will seek to capitalize on the formal and technical potential of a yet unexplored construction material. Work will be developed collaboratively and through the production of large wood models. Offered to architecture majors only.

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ARCH 412/612 (2) – ADVANCED SEMINAR IN ARCHITECTURE

RON WITTE, TH 7-9:30PM

Small, focused, advanced discussion, workshop and/or design based courses on topics of recent research in architecture, delivered by RSA full time or visiting faculty. This seminar is open to RSA undergraduate student's junior-level and above, and RSA graduate students. Students from other departments may enroll in the course with instructor permission. See the RSA website for more information: arch.rice.edu/courses. Mutually Exclusive: Credit cannot be earned for HART 412 and HART 612. Repeatable for Credit.