ARCHITECTURAL STUDIES

Department Website: https://arthistory.uchicago.edu/undergraduate/architectural-studies

MINOR IN ARCHITECTURAL STUDIES

The minor in architectural studies combines course work in art history, which equips students to analyze the form and changing history of the built environment in diverse cultures, places, and times, with up to four courses on architectural or urban topics offered in any department. Thus the minor enables students to enrich art historical analysis with methods from other disciplines. A student might choose to minor in architectural studies because the student is interested in the built environment—the inescapable setting of our lives—from a liberal arts perspective or because the student is considering applying to architecture school. The minor could represent an interest distinct from the student’s major or it could complement a major in the social sciences or humanities by exploring the material setting of history and social life or the context for works of literature, film, music, or drama. It could equally complement a major in the sciences, such as medical fields, ecology, geology, physics, or mathematics.

Prospective minors need to meet with the Department of Art History’s Director of Undergraduate Studies sometime before the end of the third year to discuss their interests and course plans, and to obtain advice and approval. Together the student and the Director of Undergraduate Studies will fill out the Consent to Complete a Minor Program (https://humanities-web.s3-us-east-2.amazonaws.com/college-prod/s3fs-public/documents/Consent_Minor_Program.pdf) form listing the intended courses, which the Director of Undergraduate Studies signs. After submitting the form, students may still change their choice of courses, with the approval of the Director of Undergraduate Studies. The student should submit the completed, signed version to the College adviser before the end of the third year. As students complete the minor, they and the Director of Undergraduate Studies will track their progress, including any changes to their initial plan, on the Architectural Studies Minor Worksheet (https://arthistory.uchicago.edu/undergraduate/architectural-studies/), available for download on the Art History website.

Requirements

The minor in architectural studies requires a total of six courses at the 20000-level chosen in consultation with the Director of Undergraduate Studies, all of which must either focus on the built environment or permit the student to devote the assignments or papers to the built environment. A minimum of two courses must be in the Department of Art History. The additional four courses may be taken in Art History or in other departments or programs. Some of the programs that may offer relevant courses are Geographical Sciences, Visual Arts, History, English Language and Literature, Anthropology, and Environmental and Urban Studies.

Lists of past and current courses that have already been approved for program credit are posted on the departmental website (https://arthistory.uchicago.edu/undergraduate/architectural-studies/) for the architectural studies minor. To be approved for program credit, courses should meet these criteria: (1) the subject matter should include some attention to buildings and/or the arrangement of buildings and landscape elements in space; (2) the assignments must allow the student to study the built environment. If you have questions, please contact the Architectural Studies faculty advisor, including the course description and, if possible, the syllabus.

In one of the courses, students must also write one research paper of about 10 to 15 pages on a topic chosen with and guided by the instructor, by individual arrangement at the start of the quarter. A research paper can be:

• a paper written to fulfill a course assignment,
• the extension of a shorter course paper (either during the course or after its completion) to meet the page requirement, or
• a new paper on a topic chosen in consultation with the instructor.

The paper should include an analysis of existing scholarship and other relevant source materials. The paper should also draw on that scholarship and evidence to shape and support a thesis or argument of the student’s own devising. Formal analyses of works of art and analytic papers on materials assembled by the instructor do not qualify. On completion of a research paper, students must submit an approval form, signed by the course instructor, to the Director of Undergraduate Studies. It is the student’s responsibility to obtain this signature and to submit the form. Approval forms are available on the Art History website (https://arthistory.uchicago.edu/undergraduate/architectural-studies/).

Minors are strongly encouraged to take ARCH 20000 Understanding the Built Environment when available. Minors may elect to take ARTH 29600 Junior Seminar: Doing Art History, for which they would research and write an essay on a topic of their choice instead of preparing an honors paper proposal. This option is particularly suitable for minors interested in doing graduate work in architectural history.

Graduate seminars at the 40000-level may count toward requirements. Students are advised, however, that such courses impose special burdens of time and expertise, and admission to them is typically only by explicit approval of the instructor and may involve various prerequisites.
Courses in the minor may not be double counted with the student’s major(s) or with other minors. Courses in the minor must be taken for quality grades, and more than half of the requirements for the minor must be met by registering for courses bearing University of Chicago course numbers.

Summary of Requirements for the Minor in Architectural Studies

Two (2) courses at the 20000-level in ARTH focusing on the built environment * 200
Four (4) courses at the 20000-level in ARTH or other programs focusing on the built environment 400
One (1) 10-to-15-page research paper written for one of the six courses in the minor

Total Units 600

* One of the courses may be ARTH 29600 Junior Seminar: Doing Art History. Students in the minor would research and write an essay on a topic of their choice instead of preparing an honors paper proposal.

The following faculty members in art history specialize in architectural history: Niall Atkinson, Wei-Cheng Lin, and Katherine Fischer Taylor. Many other faculty members in art history have an interest in the built environment and will support students writing papers on architecture; students are welcome to ask their instructors.

For more information about the minor in architectural studies, please contact the Director of Undergraduate Studies in Art History at arth-dus@lists.uchicago.edu. Information about architecture-related programs (https://arthistory.uchicago.edu/index.php/undergraduate-architectural-studies/uchicago-and-chicago-resources/), events (https://arthistory.uchicago.edu/undergraduate/architectural-studies/related-events/), and resources (https://arthistory.uchicago.edu/undergraduate/architectural-studies/additional-resources/) is available on the Art History website. Students are also invited to join the architecture listserv for new events and announcements; contact the department assistant to be added.

ARCHITECTURAL STUDIES COURSES

ARCH 11800. Physics and Contemporary Architecture. 100 Units.
Architectural structures form the built environment around us and in many ways create the backbone of our civilization. They push the limits of form and function on the largest human scales, often leading to iconic masterpieces that symbolize the aesthetics as well as the technical achievements of a period. Many architectural advances have been made possible by breakthroughs in the science of materials, which then led to innovation in construction and fabrication techniques. This course will introduce the physics principles that have enabled some of the most innovative architecture of our time. This course will take key ideas and tools from physics and demonstrate their power and relevance in a broader context familiar from everyday experience. The course will challenge students to recognize physics concepts in the built structures that make up the urban environment we live in. Chicago is a most appropriate place for this study; it was the birthplace of the first skyscraper, and ever since it has played an internationally celebrated role in pushing the limits of the architectural state of the art. A long succession of renowned Chicago architects and structural engineers has turned this city into a premier laboratory for architectural innovation. Against this backdrop, the course will show how science, and physics in particular, delivers the conceptual foundations that drive current directions in architecture and open up new opportunities.

Instructor(s): Heinrich M. Jaeger; Sidney Nagel
Terms Offered: Spring
Prerequisite(s): Some exposure to high-school physics is recommended
Note(s): The course will consist of two lectures per week plus a weekly hands-on workshop (lab) component. The Monday lectures will introduce the physics principles to be explored that week. The Thursday lectures will be delivered by distinguished guest speakers, including renowned architects and engineers. These lectures will be public lectures. They will relate to the physics principle introduced that Monday and explore its ramifications within the broader context of contemporary architectural practice. The Thursday afternoon workshop component will involve team-based, hands-on construction projects to develop a better understanding and intuition of the physics principles introduced in the lectures and to obtain a sense of their real-life implications. The workshops will also provide an opportunity to interact with the guest lecturers. Attendance at Thursday lectures is required. This course meets the general education requirement in the physical sciences and may be paired with PHSC 11600, 11700, 12600, or 13400 in order to complete the requirement. This course can be taken for credit towards either the general education requirement in the physical sciences or the Architectural Studies minor, but not both. Students intending to receive physical sciences general education credit should register for PHSC 11800; students intending to receive credit towards the Architectural Studies Minor should register for ARCH 11800.
Equivalent Course(s): PHSC 11800
ARCH 16603. Rome: The Eternal City. 100 Units.
The city of Rome was central to European culture in terms both of its material reality and the models of political and sacred authority that it provided. Students in this course will receive an introduction to the archaeology and history of the city from the Iron Age to the early medieval period (ca. 850 BCE-850 CE) and an overview of the range of different intellectual and scientific approaches by which scholars have engaged with the city and its legacy. Students will encounter a broad range of sources, both textual and material, from each period that show how the city physically developed and transformed within shifting historical and cultural contexts. We will consider how various social and power dynamics contributed to the formation and use of Rome’s urban space, including how neighborhoods and residential space developed beyond the city’s more famous monumental areas. Our main theme will be how Rome in any period was, and still is, a product of both its present and past and how its human and material legacies were constantly shaping and reshaping the city’s use and space in later periods.
Instructor(s): Margaret Andrews Terms Offered: Spring
Note(s): History Gateways are introductory courses meant to appeal to 1st- through 3rd-yr students who may not have done previous course work on the topic of the course; topics cover the globe and span the ages.
Equivalent Course(s): HIST 16603, CLCV 24119, ENST 16603, ANTH 26115

ARCH 17002. Drawing and the Making of Architecture. 100 Units.
This course focuses on the practice of drawing in the making of architecture. It explores the act of tracing lines on a surface as the foundation of design, a word that evokes through its own origins the very moment of architectural invention. As the most direct expression of the architect’s ideas and an operative form of ‘non-verbal thinking,’ the physical response of the hand to media contributes crucially to the creative process. This studio course will offer an unmediated encounter with drawing techniques: we will test different supports—from parchment to screen, end especially paper—and different tools—from natural chalks, antique and modern inks, industrial pencils, as well as keyboards and tablets—in order to understand the interaction, throughout history, between materials and design practice. Parallel to this, we will discuss a wide range of readings critically, thus reconstructing the evolving theory of representation in architectural writings and the relevance of graphic expression to both theorists and practitioners. Ultimately, the course will allow students to penetrate norms and conventions of technical drawing and to understand a primary tool in the production of architecture from the point of view of its makers.
Instructor(s): Dario Donetti Terms Offered: Autumn
Note(s): Students must attend first class to confirm enrollment. If a student is not yet enrolled in this course, s/he must fill out the online consent form and attend the first class. This course meets the general education requirement in the arts. This course may be taken for Architectural Studies minor credit or Arts Music Drama Core credit but not both.
Equivalent Course(s): ARTH 17002

ARCH 18607. 20th Century East Asian Architecture: Traditions, Modernizations, Contemporaneity. 100 Units.
This course offers an overview of the architectural development in East Asia from mid-19th century to now. What is unique about the East Asian countries in the last two centuries—especially in China and Japan—is the tension between the desire of sustaining the millennia-long building tradition and a quest of modernization. Moreover, the urban histories of East Asia witnessed some of the most dramatic episodes, including wars and revolutions, natural disasters, as well as unprecedented development and social changes. Some of the most creative architecture is given birth as both signs and end-products of such radical circumstances. This course will provide the necessary skill set to analyze buildings and space, helping students understand fundamental issues such as materials and processes, styles, site, and monumentality that one encounters in their everyday experience with architecture. It also situates architecture in a particular time and place in history, exploring the contexts through examples by architects such as Ando Tadao, Kenzo Tange, Wang Shu, and Rem Koolhaas. Lastly, the course highlights the representations of architecture through paintings, photography, film, and other medium and asks students to also consider the dynamic relationship between architecture and art.
Instructor(s): Zhiyan Yang Terms Offered: Spring
Note(s): Students must attend first class to confirm enrollment. If a student is not yet enrolled in this course, s/he must fill out the online consent form and attend the first class. This course meets the general education requirement in the arts. This course may be taken for Architectural Studies minor credit or Arts Music Drama Core credit but not both.
Equivalent Course(s): ARTH 18607
ARCH 20000. Understanding the Built Environment. 100 Units.
This course aims to equip students with the basic skills and knowledge required to analyse architecture and the urban environment. It offers an introduction to the methods and procedures of the architectural historian. These include practical tasks such as understanding architectural terminology, reading and interpreting architectural drawings, engaging with buildings ‘on site’, and studying buildings in context through urban design issues, such as street networks and public spaces. At a broader level, the course will involve critical discussions about the relationship between architecture and society, the building as a historical object, cultural representations of architecture, and modes of perceiving/experiencing the built environment. The course will operate through a combination of in-class seminars and site visits to buildings in Chicago. This course is specifically geared to introducing the fundamentals of architectural history to those undergraduate students seeking a minor in architectural studies. However, MA and PhD students in other fields are welcome to register.
Instructor(s): K. Taylor Terms Offered: Autumn
Note(s): In the second weekly session, the class will often meet off-campus at sites throughout the city. Students will need to be able to get to these sites in plenty of time, and therefore should not have other classes directly before or after.
Equivalent Course(s): ARTH 20700, ARTH 30700

ARCH 20104. Urban Structure and Process. 100 Units.
This course reviews competing theories of urban development, especially their ability to explain the changing nature of cities under the impact of advanced industrialism. Analysis includes a consideration of emerging metropolitan regions, the microstructure of local neighborhoods, and the limitations of the past American experience as a way of developing urban policy both in this country and elsewhere.
Instructor(s): M. Garrido Terms Offered: Spring
Equivalent Course(s): GEOG 32700, SOSC 25100, SOCI 20104, GEOG 22700, CRES 20104, SOCI 30104, ENST 20104

ARCH 20150. Sustainable Urban Development. 100 Units.
The course covers concepts and methods of sustainable urbanism, livable cities, resiliency, and smart growth principles from a social, environmental and economic perspective.
Instructor(s): Evan Carver Terms Offered: Spring Winter
Note(s): ENST 21201 and 20150 are required of students who are majoring in Environmental and Urban Studies and may be taken in any order.
Equivalent Course(s): GLST 20150, ENST 20150, PBPL 20150

ARCH 20160. Cities on Screen. 100 Units.
How do the movies shape our collective imagination about cities? Why do we so often turn to them for visions of disaster and dystopia, on the one hand, or a futuristic utopia on the other? How has film responded to cities in the past, and how can it help investigate our present urban condition? How can film be understood as a tool for exploring what a city is? In this seminar, we will watch and discuss feature films in which the built environment or urban issues play important roles. Students will improve their film literacy – learning not just what a film does but how it does it – and understand applications for film in the analysis of social, spatial, temporal, and immersive phenomena, as well as how it can help inspire and communicate design more effectively. For more information, contact Evan Carver (ehc@uchicago.edu).
Instructor(s): Evan Carver Terms Offered: Winter
Equivalent Course(s): ENST 20160

ARCH 20200. Urban Dramas: Theater, Performance and the City. 100 Units.
How do urban landscapes, economies, collectives and communities influence the ecology of artistic practice? How does art - and theatre in particular - represent and reflect the eccentricities, anxieties and exultations of urban experience? In this course, we will examine the mutually constitutive relationship between theatre and the city through different perspectives, methodologies and approaches. We will consider how the city is represented in a range of dramatic works including Aristophanes’ The Birds, Lorraine Hansberry’s A Raisin in the Sun, Ramu Ramanathan’s Cotton 56, Polyester 84, and Anne Deavere Smith’s Twilight: Los Angeles 1992. We will read these plays in conjunction with critical writings that illustrate the ways in which changing urban landscapes reshape the contours of theatre practice along economic, demographic and infrastructural lines. These include the scholarship of Marvin Carlson, Loren Kruger, Michael McKinnie, and Stanton B. Garner, among others. The course requires students to engage with the course themes both intellectually and experientially, through a dedicated set of readings and assignments that probe the entanglements between theatre and city life within the specific Chicago context. Students will have the opportunity to familiarize themselves with the theatre culture of Chicago, and conduct ethnographic research on existing theatre spaces in the city.
Instructor(s): S. Sastry Terms Offered: Spring
Equivalent Course(s): TAPS 20200
ARCH 20404. Troy and Its Legacy. 100 Units.
This course will explore the Trojan War through the archaeology, art, and mythology of the Greeks and Romans, as well as through the popular imaginings of it in later cultures. The first half will focus on the actual events of the "Trojan War" at the end of the second millennium BCE. We will study the site of Troy, the cities of the opposing Greeks, and the evidence for contact, cooperation, and conflict between the Greeks and Trojans. Students will be introduced to the history of archaeology and the development of archaeological fieldwork. The second half will trace how the narrative and mythology of Homer's Iliad and the Trojan War were adapted and used by later civilizations, from classical Greece to twenty-first-century America, to justify their rises to political and cultural hegemony in the Mediterranean and the West, respectively.
Instructor(s): M. Andrews Terms Offered: Spring
Equivalent Course(s): CLAS 30404, ANTH 26120, HIST 20404, ANTH 36120, CLCV 20404, HIST 30404

ARCH 20805. Cities and Urban Space in the Ancient World. 100 Units.
Cities have been features in human landscapes for nearly six thousand years. This course will explore how cities became such a dominant feature of settlement patterns in the ancient Mediterranean and Near East, ca. 4,000 BCE-350 CE. Was there an "Urban Revolution," and how did it start? What various physical forms did cities assume, and why did cities physically differ (or not) from each other? What functions did cities have in different cultures of the past, and what cultural value did "urban" life have? How do past perspectives on cities compare with contemporary ones? Working thematically and using theoretical and comparative approaches, this course will address various aspects of ancient urban space and its occupation, with each topic backed up by in-depth analysis of concrete case studies.
Instructor(s): M. Andrews Terms Offered: Spring
Equivalent Course(s): HIST 20805, HIST 30805, ENST 20805, CLAS 36618, CLCV 26618, ANCM 36618

ARCH 21300. (Re)Branding the Balkan City: Comtemp. Belgrade/Sarajevo/Zagreb. 100 Units.
The course uses an urban studies lens to explore the complex history, infrastructure and transformations of cities, mainly the capitals of today's Serbia, Bosnia and Herzegovina, and Croatia. There is a particular need to survey this region and feed the newfound interest in it, mainly because Yugoslav architecture embodied one of the great political experiments of the modern era. Drawing on anthropological theory and ethnography of the city, we consider processes of urban destruction and renewal, practices of branding spaces and identities, urban life as praxis, art and design movements, film, music, food, architectural histories and styles, metropolitan citizenship, and the broader politics of space. The course is complemented by cultural and historical media, guest speakers, and virtual tours. One of them is a tour through the 2018 show at MoMA "Toward a Concrete Utopia: Architecture in Yugoslavia 1948-1980" a project curated with the goal to find a place for Yugoslav Modernism in the architectural canon. Classes are held in English. No knowledge of South Slavic languages is required.
Instructor(s): Nada Petkovic Terms Offered: Spring
Equivalent Course(s): REES 31303, BCSN 31303, BCSN 21300, REES 21300

ARCH 21347. To Preserve or Destroy: Anthropologies of Heritage. 100 Units.
Why do some monuments matter more than others? Why do we destroy some sites and preserve others? How do these objects and sites attain value? As witnessed in Charlottesville, heritage is at the heart of intense debates in politics and culture today. Questions of theft and colonial violence haunt museums, galleries, and other cultural institutions. Looting and repatriation-linked to archaeology's complex history and of equal concern to contemporary anthropology-force us to contend with the very meaning of heritage, including why it matters, what it does, and to whom it rightfully belongs. Bringing archaeology and anthropology together, this course attends to these complex questions, exploring how monuments, heritage sites, and material culture are enmeshed in power and condense contested histories. Drawing together ethnographies of heritage, theories of history and art, and accounts of dispossession and destruction, we will examine heritage as a conceptual formation, a set of social, political, and economic practices, and as a locus of both enchantment and endangerment. In doing so, students will gain a better sense of why the category of heritage seems to matter so much in the 21st century, paradoxically weaponized by both nationalist narratives and decolonial movements, and what futures heritage builds.
Instructor(s): Hilary Leatham Terms Offered: Winter. This course was offered Winter 2020
Equivalent Course(s): HIPS 23317, ANTH 21347

ARCH 22105. Sex and Gender in The City. 100 Units.
This course is designed to introduce students to some of the key concerns at the intersection of gender studies and urban studies. In this course, we will take gender relations and sexuality as our primary concern and as a constitutive aspect of social relations that vitally shape cities and urban life. We will examine how gender is inscribed in city landscapes, how it is lived and embodied in relation to race, class, and sexuality, and how it is (re)produced through violence, inequality, and resistance. Over the course of the quarter, we will draw on an interdisciplinary scholarship that approaches the central question of how and why thinking about urban life in relation to gender and sex matters.
Instructor(s): Sneha Annavarapu Terms Offered: Spring
Note(s): This course counts as a Foundations course for GNSE majors
Equivalent Course(s): ENST 12105, SOCI 28088, GNSE 12105, GLST 22105
ARCH 22611. Paris from 'Les Misérables' to the Liberation, c. 1830-1950. 100 Units.
Starting with the grim and dysfunctional city described in Victor Hugo’s "Les Misérables," the course will examine the history of Paris over the period in which it became viewed as the city par excellence of urban modernity through to the testing times of Nazi occupation and then liberation (c. 1830-1950). As well as focussing on architecture and the built environment, we will examine the political, social, and especially cultural history of the city. A particular feature of the course will be representations of the city-literary (Victor Hugo, Baudelaire, Zola, etc.) and artistic (impressionism and postimpressionism, cubism, surrealism). We will also examine the city's own view of itself through the prism of successive world fairs (expositions universelles).
Instructor(s): C. Jones Terms Offered: Spring
Prerequisite(s): Students taking FREN 22620/32620 must read texts in French.
Equivalent Course(s): FREN 22620, HIST 32611, ENST 22611, FREN 32620, HIST 22611

ARCH 24190. Imagining Chicago's Common Buildings. 100 Units.
This class is an architectural studio based in the common residential buildings of Chicago and the city’s built environment. While design projects and architectural skills will be the focus of the class, it will also incorporate readings, a small amount of writing, some social and geographical history, and several explorations around Chicago. The studio will: (1) give students interested in pursuing architecture or the study of cities experience with a studio class and some skills related to architectural thinking, (2) acquaint students intimately with Chicago’s common residential buildings and built fabric, and (3) situate all this within a context of social thought about residential architecture, common buildings, housing, and the city. Please note: the class has required meetings on both Tuesdays (5-6:20) and Fridays (2:30-5:50, with a break) beginning on Tuesday October 2nd. This course is part of the College Course Cluster program: Urban Design.
Instructor(s): L. Joyner Terms Offered: Autumn
Note(s): Consent is required to enroll in this course. Interested students should email the instructor (Luke Joyner, lukejoy@uchicago.edu) to briefly explain their interest and any previous experience with the course topics.
Students must attend first class to confirm enrollment.
Equivalent Course(s): ARTV 20210, ARTH 24190, ENST 24190, AMER 24190, GEOG 24190

ARCH 24191. City Imagined, City Observed. 100 Units.
This urban design studio course takes two distinct notions of the city as its starting point: grand, imaginative plans -- utopian, unbuilt, semi-realized, real... both as aesthetic objects, and as ideas -- and how the minute flows of day-to-day life, up from the smallest scale, enter into dialogue with little built and lived details, intended or not. With Chicago as context and canvas, we will dream both big and small, search both present and past, and draw precisely on both what we dream and what we experience... seeking not to dictate what the city will be, but to expand our sense of what a city can be. The studio work will proceed in two stages: individually developing ideal city plans, then breaking each others' plans, using real observations and factors (and even spontaneous impulse) to complicate and rebuild them into something lovelier.
Instructor(s): L. Joyner Terms Offered: Winter
Note(s): Consent is required to enroll in this class. Priority will be given to students who have completed ARTH 24190.
Equivalent Course(s): GEOG 24191, ARTH 24191, ARTV 20205, AMER 24191, ENST 24191

ARCH 24192. Imagining Pittsburgh's Common Buildings. 100 Units.
This class is an architectural studio based in the common residential buildings of Pittsburgh and the city's built environment. (It has been offered for Chicago in other academic years, and may be again in the future.) While design projects and architectural skills will be a focus of the class, it will also incorporate readings, a small amount of writing, some social and geographical history, two required visits to Pittsburgh, and some additional explorations around Chicago. The studio will: (1) give students interested in pursuing architecture or the study of cities experience with a studio class and some skills related to architectural thinking, (2) acquaint students intimately with the common residential buildings and built fabric of a different place, while also comparing that place to our own, and (3) situate all this within a context of social thought about residential architecture, common buildings, housing, and the city.
Instructor(s): L. Joyner Terms Offered: Autumn
Prerequisite(s): Please note: the class has required meetings on both Wednesdays (4:30-5:50) and Fridays (3:00-5:50, with a break) beginning on Tuesday, September 29th, and a required trip to Pittsburgh over the weekend between 5th and 6th week.
Note(s): This course is part of the College Course Cluster program: Urban Design. Consent is required to enroll in this class. Interested students should email the instructor (Luke Joyner, lukejoy@uchicago.edu) to briefly explain their interest and any previous experience with the course topics. Students must attend first class to confirm enrollment.
Equivalent Course(s): ARTH 24192
ARCH 24194. Projections in the Vivosphere. 100 Units.
This studio course invites students to devise new techniques for imaging the vivosphere: the fragile and reactive film of interactions that sustain human and non-human life around the surface of the earth. This critical zone is both a space of inquiry and topic of concern, crossing geophysical and disciplinary boundaries. Although more than the sum of representations, new techniques of imaging are urgently required for the shape and behavior of this frontier to fully enter our collective imagination and policy conversations. Seminar discussions and hands-on workshops will immerse students in historic and contemporary techniques of drawing as platforms for inquiry and political influence. While students will develop the ability to manipulate the projective geometries that underpin orthographic, perspectival, isometric, anamorphic and cartographic systems of projection, the vivosphere defies these prevailing modes of description. Research in this critical zone struggles to represent its shape, picture interactions across scale, and overcome the dissonance between planetary representations and lived experience, static geometry and dynamic cycles. Students will be invited to devise and attempt novel techniques to overcome these limitations.
Instructor(s): A. Schachman Terms Offered: Autumn
Note(s): Students must attend first class to confirm enrollment.
Equivalent Course(s): ARTH 24194

ARCH 24195. Architecture on Display. 100 Units.
This traveling seminar explores the challenges of exhibiting architecture and the built environment, a medium whose scale resists traditional museum and gallery display and whose representation in drawings is notoriously difficult for the public to grasp - but nonetheless is increasingly embraced by museums and biennales. Our central example is "Countryside: Future of the World," an exhibit on the future of the global hinterland at Frank Lloyd Wright's Guggenheim Museum in New York, which we will visit. The latest of several provocative exhibitions by contemporary architect Rem Koolhaas, it instantiates a recent phenomenon of interpretive and thematic shows by architects that exceed the museum's traditional aim to represent architect-designed buildings and projects. In addition to examining Koolhaas's work, we will investigate architectural display in two broader contexts: other types of contemporary architectural exhibition, particularly examples we can visit in Chicago and New York, and the history of architectural display through drawings, models, mock-ups, fragments, virtual reality, and buildings converted into museums in their own right, from tenements to the Robie House. Students will write research papers. The course includes a class trip to New York over a long weekend during the quarter, Thursday evening to Sunday.
Instructor(s): K. Taylor Terms Offered: Spring
Note(s): This is a traveling seminar and instructor consent is required.
Equivalent Course(s): ARTH 34195, ARTH 24195

ARCH 24196. Second Nature: New Models for the Chicago Park District. 100 Units.
The Chicago Park District seems to preserve "first nature" within the metropolitan field. But the motive for establishing this sovereign territory was hardly natural. Today, cultural change raises questions about the significance and operation of this immense network of civic spaces. What opportunities emerge as we rethink them? While this design studio focuses on the development of new model parks for Chicago, it can support students coming from a broad range of disciplines. Texts, seminar discussions, and field trips will complement and nourish the development of architectural proposals.
Instructor(s): A. Schachman Terms Offered: Spring
Equivalent Course(s): ARTV 20206, ARTH 24196, ENST 24196, GEOG 24196

ARCH 24198. Architecture of the Public Library. 100 Units.
In this architecture studio course, you will learn and practice a range of architectural skills, using as a starting point the library as an institution, and in particular the range of libraries in and around Chicago. You will look at, sketch, and work within libraries across the campus and city, and think about the role the library plays in our time. Studio projects will focus on the library as a locus for learning, a public space, an organizational system, a set of social services, and an architectural opportunity. After a series of short design exercises, you will work in groups to design a proposal for a new library for Chicago, on a real site that you choose. The bulk of your time will be spent on these studio projects, but there will also be reading and conversation. Materials for drawing and making will be provided.
Instructor(s): L. Joyner Terms Offered: Spring
Note(s): This class will not have field trips outside of class time, but will regularly meet at different locations both on-campus and around the city. Please make sure you’ve built enough time into your schedule to get to and from meeting locations. Consent is required to enroll in this class. Interested students should email the instructor (Luke Joyner, lukejoy@uchicago.edu) to briefly explain their interest and any previous experience with the course topics. Students must attend first class to confirm enrollment.
Equivalent Course(s): ARTH 24198
ARCH 24214. Cities in Modern China: History and Historiography. 100 Units.
China's shift from a predominantly rural country to an urban majority is one of the greatest social and demographic transformations in world history. This course begins with the roots of this story in the early modern history of China's cities and traces it through a series of momentous upheavals in the nineteenth and twentieth centuries. We will learn about how global ideas and practices contributed to efforts to make Chinese cities “modern,” but also how urban experiences have been integral to the meaning of modernity itself. We will discuss urban space, administration, public health, commerce and industry, transportation, foreign relations, and material culture. In addition to tackling these important topics in urban history and tracing the general development of Chinese cities over time, another primary concern of our course will be the place of urban history in English-language scholarship on Chinese history more broadly. We will track this development from Max Weber’s observations on Chinese cities through the rise of “China-centered” scholarship in the 1970s to the “global turn” of the 2000s. Students will develop the skills necessary for writing an effective historiography paper, i.e., doing background research, writing annotated bibliographies, and using citation-management software. Students will put these skills to work by writing a critical historiographical review of scholarship on a topic of their choice.
Instructor(s): D. Knorr Terms Offered: Spring
Prerequisite(s): Students taking ARCH 24214 should explain the relationship between their final projects and architectural studies.
Equivalent Course(s): GLST 24214, ENST 24214, EALC 24214, HIST 24214

ARCH 24611. Materialities of Modern Art. 100 Units.
Exploring the significances of materiality in art, particularly in modern art, this seminar will test the art historical relevances of theories and histories of materials, and, by extension, of matter, tactility, touch, things, objects, commodities, use, craft, and design. Readings will be drawn from a variety of disciplines, including aesthetics, art history, anthropology, literary theory, philosophy, visual and material culture. Part of the purpose of the class is to work closely with the Smart Museum exhibition “The Allure of Matter.”
Instructor(s): C. Mehring Terms Offered: Winter
Equivalent Course(s): ARCH 34611, ARTH 24611, ARTH 34611

ARCH 24660. Urban Geography. 100 Units.
This course examines the spatial organization and current restructuring of modern cities in light of the economic, social, cultural, and political forces that shape them. It explores the systematic interactions between social process and physical system. We cover basic concepts of urbanism and urbanization, systems of cities urban growth, migration, centralization and decentralization, land-use dynamics, physical geography, urban morphology, and planning. Field trip in Chicago region required. This course is part of the College Course Cluster, Urban Design.
Instructor(s): M. Conzen Terms Offered: Winter
Note(s): This course offered in even years.
Equivalent Course(s): GEOG 33500, ENST 24660, GEOG 23500

ARCH 25105. Chichen Itza. 100 Units.
This course investigates the visual culture of Chichen Itza, one of ancient Mesoamerica’s most cosmopolitan cities. Thriving in the centuries after the collapse of the lowland Maya kingdoms, the city of Chichen Itza articulated a new political and cosmological vision of authority, drawing on traditions from all over Mesoamerica, past and present, to create an innovative visual synthesis. This course will investigate Chichen Itza’s most famous architectural and sculptural monuments in the light of new epigraphic and chronological discoveries, paying close attention to questions of innovation, repetition, and serial production.
Instructor(s): C. Britenheim Terms Offered: Autumn
Prerequisite(s): This is a traveling seminar; we will go to Chichen Itza and related sites in Mexico between December 14 and 21, 2019. Please email the course instructor, explaining your interest in and preparation for the course. Students who are interested in the course but unable to travel should also contact the instructor.
Equivalent Course(s): LACS 25105, ARTH 35105, LACS 35105, ARTH 25105

ARCH 26005. Cities by Design. 100 Units.
This course examines the theory and practice of city design-how, throughout history, people have sought to mold and shape cities in pre-determined ways. The form of the city is the result of myriad factors, but in this course we will hone in on the purposeful act of designing cities according to normative thinking-ideas about how cities ought to be. Using examples from all time periods and places around the globe, we will examine how cities are purposefully designed and what impact those designs have had. Where and when has city design been successful, and where has it resulted in more harm than good?
Instructor(s): Emily Talen Terms Offered: Autumn
Equivalent Course(s): GEOG 26005, PBPL 26005, ENST 26005
ARCH 26108. The City Otherwise. 100 Units.
This class takes the 2019 Chicago Architectural Biennial and the city of Chicago as a starting point in order to consider the ways the architecture and built environment intersect with social, geopolitical, and ecological processes that affect our collective past, present, and future. Like many other post-industrial cities across the globe, Chicago has been shaped by colonial expansion, mass migration, extraction economies and rapid industrialization. Addressing economic, environmental, and social issues that have shaped (and continue to shape) the city of Chicago as a lens, students will investigate the built environment, guided by the four curatorial concepts of the biennial: understanding how our relationship to land and the natural world shapes both a sense of belonging and sovereignty (No Land Beyond); identifying sites of memory and their connection to the politics of remembering/forgetting (Appearances and Erasures); investigating the relationship between space and advocacy (Rights and Reclamations); and exploring the tactics and methodologies used for intervening in public space (Common Ground). Drawing on architectural and artistic projects, curatorial strategies, and scholarship in the field of architecture, art history, design, sociology and beyond, this class engages with architecture as an expanded field and will identify new approaches and methodologies for studying, engaging with, and contributing to the built environment in the twenty-first century.
Instructor(s): Yesomi Umolu Terms Offered: Winter
Prerequisite(s): As a prerequisite for the class, students will need to visit the 2019 Chicago Architectural Biennial, which is on view at the Chicago Cultural Center and various offsite locations from September 19, 2019 through January 5, 2020. Students are also required to attend at least one public program. Class is open to advanced undergraduates and graduate students.
Note(s): Students will work through a series of independent and collaborative assignments as well as a final project.
Equivalent Course(s): ARTH 26108, ARTH 36108

ARCH 26511. Cities from Scratch: The History of Urban Latin America. 100 Units.
Latin America is one of the world's most urbanized regions, and its urban heritage long predates European conquest. And yet the region's cities are most often understood through the lens of North Atlantic visions of urbanity, many of which fit poorly with Latin America's historical trajectory, and most of which have significantly distorted both Latin American urbanism and our understandings of it. This course takes this paradox as the starting point for an interdisciplinary exploration of the history of Latin American cities in the nineteenth and twentieth centuries, focusing especially on issues of social inequality, informality, urban governance, race, violence, rights to the city, and urban cultural expression. Readings will be interdisciplinary, including anthropology, sociology, history, fiction, film, photography, and primary historical texts.
Instructor(s): B. Fischer Terms Offered: Winter
Prerequisite(s): Some knowledge of Latin America or urban studies helpful.
Equivalent Course(s): HIST 36511, LACS 36510, LACS 26510, ENST 26511, HIST 26511

ARCH 26711. Florentine Topographies: Art, Architecture, and Urban Life in the Italian Renaissance City. 100 Units.
The site of some of the most widely recognizable monuments of western art history and the home to some of the most famous artists, writers, designers, thinkers, and cultural patrons of early modern culture, Florence has long occupied a central place in a larger pan-European discourse of Modernity, Beauty, and the Individual Subject. As a result, the city itself has come to occupy a mythic position as a central hub of Western intellectual culture: uprooted from its geographical specificity by the circulation of such proper names as Machiavelli, Leonardo, Michelangelo, and unmoored from its historical heritage by the disorienting complexities of modern mass tourism. Therefore, this course seeks to re-integrate the "Renaissance" into the urban context from which it emerged, to defamiliarize it so that it can be looked at from other perspectives. It focuses on the city itself as the protagonist of some of the most important experiments in art, architecture, and urban development and shows how they were intimately connected to a lively and engaged social body. By approaching images and monuments through the spatial practices by which they were encountered by Renaissance society (rituals of conflict, contests, economic exchange, religious devotion, urban politics, identity formation, among others), students will gain a more nuanced understanding of the links between a localized urban culture and a larger intercultural and cross-temporal exchange of ideas.
Instructor(s): N. Atkinson Terms Offered: Spring
Equivalent Course(s): ARTH 36711, ARTH 26711
ARCH 27021. The Rise and Demise of Polish Chicago: Reading Polonia’s Material Culture. 100 Units.
Chicago claims to have the largest Polish and Polish-American population in the US and yet the city’s distinctly Polish neighborhoods are now only history as their population has dispersed or moved to the suburbs. This course explores the diminishing presence of Poles against the lasting input of the material culture which they introduced to the urban spaces of Chicago. The course is framed by the fundamentals of thing discourse and employs the mediums of sculpture, fashion, photography, architecture and topography of the Polish community in Chicago through several field trips. The course’s main goal is to map the evolution of the former Polish neighborhoods which often concluded with the erasure of their distinct ethno-space. In order to grasp the status of such changes, students take several field trips to the former Polish neighborhoods and visit their existing architectural landmarks and cultural institutions. Towards the end of the course, students conduct several interviews with Polish Chicagoleans from the postwar and Solidarity immigrations. The course concludes with a capstone project for which students will make a virtual collection of artifacts designed as a curio cabinet filled with objects they found, created, and purchased during their research and field trips.
Instructor(s): Bożena Shallcross Terms Offered: Winter
Prerequisite(s): Students must attend several panels of their choice during the conference entitled, “What They Brought / What They Changed: Material Culture and Polish Chicago,” on December 2-4, 2020.
Equivalent Course(s): REES 27021, REES 37021

ARCH 27103. Planning for Land and Life. 100 Units.
The collaborative plan to create a Calumet National Heritage Area that touches aspects of environmental conservation, economic development, cultural heritage, recreation, arts, and education will ground this course’s exploration of landscape history and landscape planning in the Calumet region. Students will investigate this planning process and its relationship to other local and regional plans. A strong focus of the course is on the opportunities and challenges this complex and richly textured industrial region faces in its transition to a more sustainable future.
Instructor(s): Mark Bouman Terms Offered: Spring
Equivalent Course(s): GEOG 27103, PBPL 27103, ENST 27103

ARCH 27307. Schools and Space: A Chicago History. 100 Units.
This course fuses urban and educational history into a two-century case study of Chicago. When the Chicago Public Schools closed fifty schoolhouses in 2013, many stressed the links between public education, uneven neighborhood investment, and racial segregation. But this episode was part of a longer regional history of how metropolitan development, labor markets, and anxieties over migration affected educational policy. The course stresses the relationship between educational policy and the politics of urban development, gender, and race. Schools were sites of gendered work, for the women who operated them and for the children who navigated the moral and vocational paths laid for their futures; meanwhile, the rise of racial ghettos had an enduring impacts on educational inequity and the shape of African American political life. Over the time span covered by the course, the United States became an indisputably “schooled” society, and Chicago was a leading indicator of national trends. Key historic episodes in American education—the rise of the modern high school, the birth of progressive education, the origins of teachers’ unions, the Catholic encounter with race, the fragmentation of suburban school districts, the civil-rights critique of de facto school segregation, the pronounced “failure” of urban education, and the triumph of choice-and-accountability reforms, and the teacher-led resistance that followed—are especially well-illustrated by this course’s focus on Chicago.
Instructor(s): N. Kryczka Terms Offered: Winter
Note(s): This course combines lecture with discussions of primary sources and secondary literature each week, beginning with the one-room, log-schoolhouses of the antebellum Illinois prairie and ending with the nation’s first charter-school teacher strikes in 2018. In addition to composing a research paper on a chosen school or school policy, students will take a field trip to local schoolhouses, reading the city’s urban history through its educational architecture.
Equivalent Course(s): GNSE 27307, EDSO 27307, PBPL 27307, HIST 27307, AMER 27307

ARCH 27708. Black in the City. 100 Units.
Moving from literature written during the early Jim Crow era to contemporary hip hop, this course will look at the ways black artists have staged encounters with urban space. We will pay close attention to not just how black artists have represented the city but the methodologies they have experimented with in studying and surviving it. From the juxtaposition of Southern and Northern cities in pre and post-Great Migration literature, to Gwendolyn Brooks’ mid-century experiments in urban seeing, Spike Lee’s staged urban explosions and Kendrick Lamar’s Compton soundscapes, this course complicates both the dreams and the despairs yoked to being black in the city. (Fiction, 1830-1940, Theory)
Instructor(s): Adrienne Brown Terms Offered: Spring
Equivalent Course(s): ENGL 27008, AMER 27008, CRES 27008
ARCH 28402. Geographic Information Science II. 100 Units.
This course investigates the theory and practice of infrastructure and computational approaches in spatial analysis and GIScience. Geocomputation is introduced as a multidisciplinary systems paradigm necessary for solving complex spatial problems and facilitating new understandings. Students will learn about the elements of spatial algorithms and data structures, geospatial topologies, spatial data queries, and the basics of geodatabase architecture and design.
Instructor(s): Marynia Kolak Terms Offered: Winter. Offered 2020-21
Prerequisite(s): GEOG 28202 /GEOG 38202. Students must receive a grade of C or higher in GEOG 28202/GEOG 38202 in order to register for this course.
Equivalent Course(s): GEOG 28402, GEOG 38402

ARCH 28602. Geographic Information Science III. 100 Units.
This advanced course extends and connects both foundational and functional GIScience concepts. Students will be introduced to advanced programming and scripting languages necessary for spatial analysis and GIScience applications. Additional topics include customization, enterprise GIS, web GIS, and advanced visualization and analytic techniques.
Instructor(s): M. Kolak Terms Offered: Spring. Offered 2020-21
Prerequisite(s): GEOG 38202 and GEOG 38402. Students must receive a grade of C or higher in GEOG 28402/GEOG 38402 in order to register for this course.
Equivalent Course(s): GEOG 28602, GEOG 38602

ARCH 28702. Introduction to GIS and Spatial Analysis. 100 Units.
This course provides an introduction and overview of how spatial thinking is translated into specific methods to handle geographic information and the statistical analysis of such information. This is not a course to learn a specific GIS software program, but the goal is to learn how to think about spatial aspects of research questions, as they pertain to how the data are collected, organized and transformed, and how these spatial aspects affect statistical methods. The focus is on research questions relevant in the social sciences, which inspires the selection of the particular methods that are covered. Examples include spatial data integration (spatial join), transformations between different spatial scales (overlay), the computation of "spatial" variables (distance, buffer, shortest path), geovisualization, visual analytics, and the assessment of spatial autocorrelation (the lack of independence among spatial variables). The methods will be illustrated by means of open source software such as QGIS and R.
Instructor(s): M. Kolak Terms Offered: Spring. Offered 2020-21
Equivalent Course(s): ENST 28702, SOCI 20283, GEOG 38702, GEOG 28702, SOCI 30283

ARCH 28925. Health Impacts of Transportation Policies. 100 Units.
Governments invest in transport infrastructure because it encourages economic growth and mobility of people and goods, which have direct and indirect benefits to health. Yet, an excessive reliance on motorized modes of transport harms population health, the environment, and social well-being. The impact on population health is substantial: Globally, road traffic crashes kill over 1.3 million annually. Air pollution, to which transport is an important contributor, kills another 3.2 million people. Motorized modes of transport are also an important contributor to sedentary lifestyles. Physical inactivity is estimated to cause 3.2 million deaths every year, globally. This course will introduce students to thinking about transportation as a technological system that affects human health and well-being through intended and unintended mechanisms. The course will examine the complex relationship between transportation, land use, urban form, and geography, and explore how decisions in other sectors affect transportation systems, and how these in turn affect human health. Students will learn to recognize how the system level properties of a range of transportation systems (such as limited-access highways, urban mass transit, inter-city rail) affect human health.
Terms Offered: Spring
Equivalent Course(s): ENST 28925, PBPL 28925, HLTH 28925
ARCH 29421. Politics of Commemoration. 100 Units.
Most of the time we pass in front of the statues, commemorative museums, monuments, and flags that inhabit our cities without noticing them. In recent years, however, they (along with pre-college history curricula) have become controversial across the globe. This course addresses those controversies primarily in Europe and the United States, but also in Latin America, West Africa, and South Africa. Through a series of case studies we will analyze the conditions of the creation of statues, monuments, and museums. Who conceptualized them and lobbied for their creation? Who paid for them? For whom were they originally intended? What message did they convey? What happened over time? How did their message change? Did they provoke controversy at the moment of their planning or inauguration or later and, if so, from whom? Equal attention will be paid to scholars’ efforts to address the question of what these commemorative works actually do. If they really become unnoticeable, then why does the threat of their removal so often spark such intense controversy? Assignments: Active participation in class, one secondary text analysis, one analysis of a controversy, and one proposal for a monument, museum, or school curriculum. Instructor(s): L. Auslander Terms Offered: Spring Equivalent Course(s): CRES 29421, HIST 29421, GLST 29526, ENST 29421, LLSO 29421, CRES 39421, HIST 39421, JWSC 29421