

ARCH and CAP Elective Options- Fall 2024

Most ARCH and CAP electives require sophomore-standing or higher. Some courses may have additional pre-requisites; see description for pre-requisite information. All meeting days/times, as well as course format information, are listed in UCDAccess.

Classes offered by *Historic Preservation (HIPR)*, *Interior Design (INTD)* and *Landscape Architecture (LDAR)* contained in this guide may apply only as “CAP Electives” (not ARCH Electives) for students declared in the Arch. Design or Arch. Studies tracks (Fall 2021 or later). INTD and LDAR courses may count toward “ARCH Electives” *only* for students declared in the pre-Fall 2021 degree requirements and who do NOT have “CAP Elective” requirements. Please check with your CAP academic advisor if you are unsure how these courses will apply for you.

- **ARCH 3330 Building Systems I** (*only applies as an ARCH or CAP elective in the Arch. Studies or Arch. Design tracks; does NOT apply as an ARCH or CAP elective if this course is already specified as a required course in the pre-Fall 2021 curriculum*)
 - o Focuses on the environmental systems in commercial and other nonresidential buildings. Discusses natural and artificial lighting, HVAC systems, acoustics, vertical transportation and fire protection.
 - **Pre-req: ARCH 3110 or 2121**
 - **Recommended pre-req: Pre-Calc equivalent and PHYS 2010/2321**

- **ARCH 3340 Theory of Structures I** (*only applies as an ARCH or CAP elective in the Arch. Studies or Arch. Design tracks; does NOT apply as an ARCH or CAP elective if this course is already specified as a required course in the pre-Fall 2021 curriculum*)
 - o Focuses on the relationship between architectural concepts and the selection of structural systems. Addresses the qualitative and quantitative analysis of reinforced concrete, steel, and wood structural systems and members.
 - **Recommended pre-req: Pre-Calc equivalent and PHYS 2010/2321**

- **ARCH 3600.001- Special Topics Cultural: Memory in Built Form**
 - o In Memory in Built Form, we will explore a history and theory of memory in monuments and memorials. This will not be a traditional history class. We will break down existing monuments and memorials into their component parts and learn how they create meaning. Whose lives are represented in memorials, and whose are not? How should monuments such as those dedicated to Confederate leaders in the American South be addressed? How do designers embed memory into their work? We will examine these critical questions and more.
 - **NOTE: This course was previously titled “Embodying Memory.” If you completed Embodying Memory previously, do not enroll in this course; you cannot earn credit for both.**

- **ARCH 3600.002- Special Topics Cultural: The Classical Elements**
 - o This course covers ancient and contemporary studies in the practice of proportional systems expressed by the timelessness and traditions of Classical Architecture.

Students gain an understanding for the Canon of Classical Orders and rules of Architectonic grammar through graphic exercises and compositions.

 - **Pre-req: ARCH 2121 or 3110**

- **ARCH 3700.002 - Special Topics Design: Beyond Interior: New Forms and Aesthetics of Comfort, Collectivity, and Care**
 - Amidst global uncertainties, social complexities, and environmental changes, the discipline of interior design is facing unprecedented challenges. Historically treated as a separate discipline as the extension of fine arts, the realm of the interior, nowadays, is highly intertwined with architecture and urbanism, given its increasing entanglements with everyday activities informed by waves of ecological thinking, cultural shifts, and technological updates.

In response to these conditions, the elective *Beyond Interior* offers a didactic platform for students to explore new theoretical frameworks for the discipline of the interior beyond spatial considerations. **It endeavors to examine contemporary theories and practices that propose new ideas, forms, and aesthetics of comfort, collectivity, and care at the intersections of body, interior, building, and city.**

- **ARCH 3700.H01 - Special Topics Design: Architecture, Building, Community**
 - This seminar course is intended to support students in developing a critically informed ethical stance on the status and role of professional expertise in the design of participatory and inclusive built environments. The class will inquire into and through case studies of historic, contemporary, and emergent design practices and projects. Each week there will be required readings (15-30 pages per week) followed by written, one-page synopses, and *engaged* in-class discussion. Students will also be expected to co-lead one class discussion of the readings.

Themes will include: Social Housing and Equity, The Right to the City, Grassroots Community Design, Environmental Degradation and Social Justice, Diversity of Cultural Norms and Civic Life

The final project will be a personal design ethics manifesto (with options as to textual/graphic format), that will be shared with the class.

- **ARCH 3804.001- Green Tech Eco-Furniture Fabrication I**
 - Green Tech I is a "real build" course.
 - The Project
 - Using salvage and found materials, students produce an object of beauty and utility, small or large such as:
 - an architectural element
 - furnishing, home or body accessory
 - outdoor element
 - clothing
 - or whatever their mind imagines.
 - Design and fabrication are taught through hands-on learning in the classroom, fab-labs, and re-used material site field trips.
 - The course advances each student's design and construction capabilities based on their individual desires, values, and academic career path.
 - This no-fear course is taught with the professor's dedicated support and encouragement so that each student excels.
 - Enjoyment and experimentation in design and learning + success and failure are critical elements of the course processes.

- **ARCH 3805.001 - Beginning Revit**
 - Introduction to Building Information Modeling through Autodesk's Revit Architecture software. The course explores fundamental architectural concepts as they are developed and expressed in Revit. Appropriate program use and team learning experiences are emphasized.
 - ***Pre-req: ARCH 2121 or 3110 (ARCH 3430 recommended)***

- **HIPR 3210.001 Historic Buildings in Context**
 - This course covers the concept of "historic significance" and develops skills in understanding and professionally utilizing this concept. Procedures and skills are introduced.
 - ***Pre-req: Junior-standing or higher***

- **HIPR 3230.001 The Reuse Imperative: Reusing Buildings for a Changing Climate**
 - This class will explore design, planning, and policy strategies to reduce carbon emissions and support sustainable communities through conservation and adaptive reuse of buildings. Case studies will highlight innovative approaches and emerging practices.
 - ***Pre-req: Junior-standing or higher***

- **INTD 1005.001- Introduction to Interior Design**
 - This course is an introduction to the practice and principles of Interior Design. Providing an overview of design theory and process while exploring key elements such as furniture, texture, color, lighting, sustainability, and materiality shaping the built environment.

- **INTD 2000.001- Global History & Theory of Interior Design**
 - Students will gain knowledge about the history of interiors in relation to architecture, art history, decorative arts, furniture, and material culture from western and non-western perspectives. Students will gain knowledge of technologies affecting interior design and gain an awareness of human and environmental behavior theories that inform design.

- **INTD 3100.001- Drawing Out the Interiors**
 - In this course, students gain an understanding of elements and principles of design, including spatial definition, organization, and human-centered design through precedence studies and on-site spatial analysis. Students develop 2d and 3d visualization skills, and gain knowledge of analog and digital tools to effectively communicate design ideas from conceptualization and design development integrating furnishings, products, materials, and finishes.

- **INTD 4200.001- Interior Design Workshop**
 - This workshop introduces a design studio-style course with a hands-on approach. Exploring two and three-dimensional design. Emphasis on fundamental skills and ideas shared across design disciplines, JEDI, and sustainability. Creative processes, visual order, materials, and critical thinking are investigated through applied projects. Students will apply design processes and theories to basic interior design projects, as they learn additional graphic tools, techniques, and standards for effective design communication.
 - ***Pre-req: INTD 3100 and declared Interior Design minor***

- **LDAR 4421.001 – History of Landscape Architecture**
 - Intro survey course fosters workable understanding of landscape architecture design history and theory and offers a base for understanding trends and ideas influencing contemporary practice. Emphasizes Western Europe and the United States from antiquity to early twentieth century.

- **LDAR 4435.001- Community Engaged Design Practice**
 - Obtain real-world pre-design and conceptual design experience in complex urban environments focusing on evolving trends in sustainability. Using digital trans-disciplinary learning students will develop comprehensive sustainable strategies that draw from their own sustainable philosophy developed during this class.

- **LDAR 4470.501- Plants in Design**
 - Explores the challenges, opportunities and responsibilities of designing with living, growing, and ever-changing organisms. Students learn to identify plants that are commonly used in the Colorado region and the principles, theories, methods, and techniques for planting design. ***This course takes place at the Denver Botanical Gardens. Students will need to secure transportation to the location.***
 - **Note: This course is classified as an “Extended Studies” course, which means it is not COF eligible, and you must follow the steps below to register:**
 - 1) In the registration section of UCD Access, use the “Advanced Search” option.
 - 2) Select the following search criteria:
 - a. **Institution: CU Denver**
 - b. **Term: Fall 2024**
 - c. **Campus: Extended Studies**
 - d. **Subject: LDAR**
 - e. **Course Number: 4470**

- **LDAR 4472.001 – Landscape Ecology**
 - Course emphasizes continuity and change in an ecology of the natural and man-made landscape. Focuses on biological, geophysical, cultural, and perceptual factors involved in landscape, spatial organization, and regional structure. Introduces field ecology for landscape architecture.

- **LDAR 4486.001- New Ecologies: Urban Nature(s) and Survival in a Rapidly Changing World**
 - This course will explore relationships between ecology and humanity in a time when the possibility that the planet may no longer sustain human life becomes increasingly possible. Urban space is where human needs and desires and the expression of other-than-human systems interact closely and generate new interrelations with what is commonly referenced as “culture” and “nature”.

This course will look at various examples of ecologies emerging in urban conditions, with a look at whether and how these might provide insights into developing new ideas and practices for design and planning fields that can model new socio-ecological assemblages to develop more resilient, sustainable, just and equitable cities and other aspects of human life and transcend concepts of ‘nature’ and ‘culture’ as opposites or dichotomies. The course will combine theories and practices, engaging a multidisciplinary range of critical frameworks, lenses, and methods, including emergent voices, authors, perspectives and backgrounds that have thus far been suppressed, marginalized or underrepresented.

A key question is how the threats of economic, ecological and socio-cultural collapse are unsettling and dislocating dominant understandings of the human, life, and futurity – concepts, realities and materialities fundamental to the practice of architecture, landscape architecture and planning, and how our disciplines can respond to these existential challenges.

Far from engaging in apparently unavoidable doom-and-gloom scenarios, we will attempt to lay out alternatives that are empowering and optimistic, rooted in perspectives that are rigorously cross-, trans- and interdisciplinary.