

ARCH and CAP Elective Options- Spring 2025

All 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/time are subject to change; please double-check listing 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). HIPR, 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 36xx.H01 – Architecture and Nature: Vernacular to Sustainable**
 - **Note:** If you completed this Special Topics course under *any* “Architecture and Nature” title, you should not retake it, as it is the same course and cannot earn duplicate credit.

- **ARCH 3700.001 – Special Topics Design: The Diagram and Design**

- **ARCH 3700.002 – Special Topics Design: Some of Interior**
 - 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 *Some of Interior* offers a didactic platform for students to explore new theoretical frameworks for the discipline of the interior beyond spatial considerations. Through a series of discussions, workshops, and small-scale design exercises, **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 through representational apparatus.**

- **ARCH 3800.001 – Special Topics Technical: Architecture Book and Portfolio Design**

- **ARCH 3800.002 – Special Topics Technical: Modelmaking: Materials, Methods, & Fabrication in Design**

- **ARCH 4340 Theory of Structures II (*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*)**
 - 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.
 - **Pre-req: ARCH 3340 with a C- or higher grade**
 - **Recommended pre-req: Pre-Calc equivalent and PHYS 2010/2321**

- **ARCH 4440 Building Systems II** (*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*)
 - 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 4612.001- A History of Modern Architecture**
 - This course traces the various theoretical and formal developments in European and American Architecture from the end of the 19th century through the 20th century. The works of a select group of architects will be examined and discussed in relation to the diverse body of goals and objectives, ideas and ideals that constituted the Modern movements in architecture.
 - **Pre-req: ARCH 2230**
 - **Note:** This course *may* be eligible for MArch advanced standing at CU Denver. Please check with CAP Undergraduate Advising to discuss whether you are eligible to complete this course for MArch advanced standing.

- **HIPR 3250.001- Contextual Design in Historic Districts**
 - This classes focuses on design in the context of historic resources and in established neighborhoods with distinct features that are highly valued. These are places where preserving and enhancing community character are key objectives. The class investigates a range of approaches to alterations and additions for historic buildings and the design of new buildings in historic districts, including how these contribute to placemaking and livability. It also how design in historic contexts is guided by public policies, incentives and regulatory tools, especially design guidelines and zoning codes and provides an overview of how to decide which tools to use and how to develop them. The course will be thought-provoking, challenging concepts of “compatibility” in the context of historic resources. Case studies from across the nation will raise a series of challenging design questions about what “preservation” means while accommodating change. Other case studies are examples of success stories in the creative application of approaches to design in historic contexts. Guest lecturers with experience throughout the country will supplement the core curriculum provided by the instructor.
 - **Pre-req: Junior-standing or higher**

- **HIPR 3510.001- Building Materials Conservation**
 - This course emphasizes the relationship between knowledge acquisition, professional judgement, and design modification. Topics include: 1) Historic Building Types & Methods, 2) Field and Lab Methods of Building Assessment, and 3) Management of Building Rehabilitation. The course takes an integrative approach to the scientific, aesthetic, managerial and legal dimensions of preservation.
 - **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 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 3686.001- Special Topics in Interior Design: Light & Color**
 - Students will understand and apply principles and theories of light and color in relation to environmental impact and well-being.

- **INTD 3686.002- Special Topics in Interior Design: Interior Materials**
 - Exploration of the various materials, finishes, and textiles available to the interior designer for interior specifications. Emphasis on interior finish materials and textiles.

- **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 3601.001 – Introduction to Landscape Architecture**

This course is an overview of the historical development, social context and contemporary practice of landscape architecture, which has existed as a profession for over 120 years and has been practiced in one form or another for millennia.

- **LDAR 4430.001- Site, Society and Environment**
 - Sites are defined by relationships within environmental and social settings. Therefore, site design should be primarily ethical and secondarily technical. This course examines the implications of this idea through site methodologies, conceptual construction of site, site analysis and site typologies.

- **LDAR 4432.001- Landform Manipulation**
 - Focuses on the fundamental technical aspects of landscape architectural design and site engineering of related topography, grading, drainage design, landform manipulation, earthwork calculations, and road alignment.

- **LDAR 4470- Plants in Design**
 - ***Details TBD- please check the registration system in UCD Access for updates.***
 - 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.
 - ***Pre-req: Junior-standing or higher***