ARCH and CAP Elective Options- Fall 2023

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.

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- **ARCH 3600.003 – Special Topics Cultural: Women in Architecture**
    - Architecture has a long-standing history of being a male-dominated profession. The profession and mainstream history of architecture continue to struggle with representation, inclusion, and recognition of women in the field. This course highlights the importance of equal representation for women in architecture and explores their significant yet overlooked contribution to the history of architecture. Taking a global perspective, the course uses lectures, readings, case studies, and discussions during the semester to discuss the work, legacy and struggles of women architects throughout history.

- **ARCH 3602.001- Architecture Photography**
    - Architecture elective in photography of space, interior, and exterior with an emphasis on design composition of architecture

- **ARCH 3700.002 - Special Topics Design: Visual Remix**
    - This course will explore the notion, practice and meaning of **Visual ReMix** as an agent of imaginative and critical aesthetics.

      At its core, the term Re-Mix implies a re-action toward an existing condition. Our course will investigate the power of a relational visual construction to reveal the unfamiliar layer/s of a familiar reality.

      Exploring the balance between the expressive and the analytic, students in this course will experiment in a range of visual constructions that utilize mixed media not only as a design tool, but also as research medium. Weekly meetings will comprise of instructor's and students' presentations, group discussions and reviews, in class assignments, readings, and tutorials.
        - **Recommended: Proficiency in Adobe Photoshop and Illustrator (a TA will be available to support students without experience in these programs).**

- **ARCH 3708.001 – Introduction to the Essentials of Biomimicry**
    - Biomimicry is the conscious emulation of nature's genius that can be applied to the fields of design, engineering, medicine, transportation, and social interaction. This class will be geared towards designers and will give an overview of the discipline, the (3) Essential Elements, the human-nature connection, The Biomimicry Thinking Methodology, and Life's Principles.

- **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)*

- **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)*
  - 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)*
  - 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*

- **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 3601.001 – Introduction to Landscape Architecture**
  - This course will introduce students to the contemporary practice of landscape architecture through an active-learning classroom. Students will be exposed to theories, methods, and applications used when designing the landscape as well as the social and historical evolution of the profession. Students will also be introduced to critical concepts associated with the planning and design profession and current topics such as climate resilience, environmental justice, community engagement, and visual storytelling.

    Critical thinking as well as graphic and written communication will be key aspects of this course as students learn to apply their comprehension of the material to the analysis and evaluation of the built environment. This skill will be an important component of students' ability to synthesize new and creative design works, solidly anchored in an understanding of landscape.

- **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 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 2023**
         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.