ARCH and CAP Elective Options- Fall 2022

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 *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.

LDAR 1015 Engaging Landscape for Wicked Change is approved for Core Arts credit, only.
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- **ARCH 3600.001 – Special Topics Cultural: Women in Architecture**
    - o 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.
        - ▪ T/TH 5:00– 7:45pm (REMOTE)

- **ARCH 3700.001 – Special Topics Design: Diagramming & Mapping the Invisible**
    - o In this drawing seminar, students will develop an understanding of visualization techniques that facilitate strong connections between research (the invisible) and architecture (the visible). A common challenge in architecture is translation from one realm to the other. The key to making this jump is the diagram. The instructor will offer diagramming and mapping as not just techniques but as ways of thinking; as machines for transcribing the ephemeral into the physical. Students will engage with a wide range of approaches and will develop the ability to deploy them appropriately to the design problem at hand. The course will cover both hand-drawn and digital approaches. Deliverables will include weekly drawings for presentation and discussion.
        - ▪ *Pre-requisites: ARCH 1711 and ARCH 1721 (including ARCH 2111 and ARCH 2121) for students on new curriculum; ARCH 3801 and ARCH 3121 on old curriculum.*
        - ▪ T/TH 2 – 3:15 pm (IN-PERSON)

- **ARCH 3700.002 - Special Topics Design: Embodying Memory**
    - o In response to public tragedies, architects, designers, and artists are often called to respond by creating sites of public memory. Such monuments, memorials, and sites can serve to create a common spatial frame for otherwise disparate experiences and

understandings. However, "memory" is far from a neutral recollection of the past. How and why are memorial sites constructed? What is the power of mourning, of memory?

In Embodying Memory, we will explore a history and theory of memory in the form of monuments and memorials. Whose lives count as grievable, and whose do not? Who, exactly, is the "public" that public art serves?

As a class we will explore these questions through a variety of readings and case-studies. Students will be asked to develop discussion questions, to present on case-studies, and to develop responses to critical questions presented by the instructor. These responses will serve as the foundation for the final assignment, which will be to conceptualize a site of public memory through a series of sketches, collage, and/or digital media.
- TH 5 – 7:45pm (IN PERSON)

- **ARCH 3701.H01- Survival Sketching**
  o The focus of this course will be the sketchbook and the keeping of a sketchbook.
    - F 11:00am- 12:15pm (Hybrid: In Person and Remote)

- **ARCH 3707.001 – Color Theory**
  o This course will explore Color perception and theory; media/medium technique/application and landscape/built-environment drawing preparation, composition and presentation. The objective is to develop your understanding of color interaction and interrelationship especially, as it pertains to the use of color in the design and implementation of the built environment.
    - NOTE: This course was previously numbered ARCH 3700 (Special Topics Design: Color Theory). If you took this ARCH 3700 course previously, do not enroll in ARCH 3707; you cannot earn credit for both.
    - F 9:30 am – 12:15 pm (IN PERSON)

- **ARCH 3805.001 - Beginning Revit**
  o **Course Description:** This course covers the fundamental operation and use of Autodesk's Revit Architecture software. In this course, students will learn how to operate and navigate the program and will produce drawing sets and renderings for a simple building. The course will closely follow the "Revit Architecture 2019 Essential Training (Imperial)" and other tutorials available on Lynda.com. To access Lynda.com, students will need to purchase a subscription for the duration of the class or obtain free access through the Denver Public Library. This will be in lieu of purchasing a text book. Students who work for the university may have access to a free Lynda.com subscription.
  o **Course Objective:** By the end of the course, students will be capable of producing full architectural drawing sets including title blocks, floor plans, elevations, sections, details, renderings, and 3D models. The course will cover basic rendering techniques and a limited amount of Adobe Photoshop skills so that students can apply their knowledge of Revit to produce materials for their studio courses as well as in their careers as architects.
    - *Pre-req: ARCH 3110 and 3130 or 2121 and 3130*
    - T/TH 5:00 pm - 6:15 pm (IN PERSON)

- **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*
        - ▪ F 12:30- 3:15pm (IN PERSON)

- **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*
        - ▪ T/TH 2:00 pm – 3:15 pm (IN PERSON)

- **INTD 2000.001- Global History & Theory of Interior Design**
    - o 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.
        - ▪ M,W 12:30- 1:45 pm (IN PERSON)

- **INTD 3100.H01- Drawing Out the Interiors**
    - o 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.
        - ▪ T/TH 3:30- 4:45 pm (HYBRID)

- **LDAR 3601.001 – Introduction to Landscape Architecture**
    - o 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.

- M,W 3:30 pm – 4:45 pm (IN PERSON)

- **LDAR 4421 – 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. 3 credits ARCH or CAP ELECTIVE.
    - W 9:30 am – 12:15 pm (IN PERSON)

- **LDAR 4470.001 – 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. Restriction: Restricted to undergraduate students at a junior standing or higher. 3 credits ARCH ELECTIVE.
    - W, 5:00 pm – 7:45 pm (IN PERSON)

- **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.
    - M, 9:00 am – 11:45 am (IN PERSON)