

# ARCHITECTURAL STUDIES (ARCS)

## ARCS 10121 REPRESENTATION OF DESIGN I 3 Credit Hours

A survey of the techniques and assumptions of basic architectural design concepts and representation of the built environment through analytical and synthetic exercises that introduce fundamental design skills. In order to integrate students into the college and the field, the exercises are supplemented by readings in contemporary visual culture.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## ARCS 10122 REPRESENTATION OF DESIGN II 3 Credit Hours

Continuation of ARCS 10121 with an emphasis on 3-D thinking and representation, critical skills and the role of images in architectural culture and society. The course also introduces the wider application of design principles in graphic design, digital media and the visualization of information.

**Prerequisite:** ARCS 10121 or ARCH 10101.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## ARCS 20121 STUDIO FOR ARCHITECTURAL STUDIES 4 Credit Hours

Course exposes students to the distinct design processes, final products, and interconnectedness of various allied design disciplines including (but not limited to) graphic design, interior design, landscape architecture, urban design, industrial design, architecture and historic preservation.

**Prerequisite:** AED 10102; and Architectural Studies (ARCS) major.

**Schedule Type:** Studio

**Contact Hours:** 8 other

**Grade Mode:** Standard Letter

## ARCS 20122 STUDIO FOR ARCHITECTURAL STUDIES II 4 Credit Hours

Studio allows students to further develop their design skills in relation to a theme or shared research topic that crosses the disciplinary boundaries of architecture and challenges conventional ideas of the role design can play in developing knowledge.

**Prerequisite:** ARCS 20121 or ARCH 20101.

**Schedule Type:** Studio

**Contact Hours:** 4 other

**Grade Mode:** Standard Letter

## ARCS 30123 MATERIALS AND PROCESS OF MAKING 3 Credit Hours

Seeks to introduce and foster an ease of mobility through various digital design environments utilizing familiar techniques of design production (i.e. drawing, modeling, rendering, etc.). Students engage in digital modes of production that will enable the testing of material, spatial, and tectonic performance through scalar prototyping. **Prerequisite:** AED 10102; or special approval for students who have completed equivalent design foundations studios in areas such as Fashion Design, Visual Communications Design or Studio Art

**Schedule Type:** Lecture, Studio

**Contact Hours:** 1 lecture, 4 other

**Grade Mode:** Standard Letter

## ARCS 30124 METHODS AND THEORIES OF REPRESENTATION 3 Credit Hours

Seeks to examine traditional and contemporary methods of architectural representation as generative tools that mediate between individual idea and constructed environment. **Prerequisite:** AED 10102; or special approval for students who have completed equivalent design foundations studios in areas such as Fashion Design, Visual Communications Design or Studio Art

**Schedule Type:** Lecture, Studio

**Contact Hours:** 1 lecture, 4 other

**Grade Mode:** Standard Letter

## ARCS 30321 STRUCTURAL TYPOLOGY 3 Credit Hours

Course provides an intuitive introduction to architectural structures that focuses on the historical development of structural types, structure as organization, the structural properties of materials, the physical form-finding design process and scientific method through lab exercises and design projects. **Prerequisite:** AED 10102; or ARCH 10012

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## ARCS 30421 ENVIRONMENTAL IMPERATIVES 3 Credit Hours

Course introduces students to various viewpoints on sustainable built environments with emphasis on the ethical, ecological, social, political, economic, and technical implications. Engages students in debates on theoretical and practical positions on sustainability, and the organizations that support sustainable practices in the building industry. **Prerequisite:** AED 10102 or ARCH 10012 or Sustainability Minor.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## ARCS 40022 URBAN DESIGN DISCOURSE (ELR) 3 Credit Hours

Course explores the interconnections among making space, image creation and inhabiting the city; engages students in visual and textual documentation of urban life and phenomena. Course presents history, theory and practices of documentation in conjunction with investigation of, and frequent visits to, Cleveland sites as the basis for student projects.

**Prerequisite:** ARCH 10012 and Junior standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Experiential Learning Requirement

## ARCS 40114 THEORY AND CRITICISM IN ARCHITECTURAL MEDIA (WIC) 3 Credit Hours

Aimed at investigating the increasingly intertwined issues that link contemporary architectural theory and criticism with the world of media.

**Prerequisite:** ARCH 10012 and Junior standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Writing Intensive Course