

ARCHITECTURAL STUDIES (ARCS)

ARCS 10123 PRINCIPLES AND TECHNIQUES OF DESIGN 3 Credit Hours

A survey of the techniques of 2D and 3D architectural representation, both historical and contemporary. Uses analytical and synthetic exercises that introduce fundamental representation skills. These exercises are supplemented by reading and writing exercises and field trips to cities with significant design culture.

Prerequisite: Architectural Studies major.

Schedule Type: Studio

Contact Hours: 6 other

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 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 20123 FIELD AND OBJECT STUDIO 3 Credit Hours

Through a series of related design exercises, this course explores the relationship between two-dimensional fields and three-dimensional objects. Engages students in reading, writing, research and reflection about fields and objects in architecture.

Prerequisite: ARCS 10123.

Schedule Type: Studio

Contact Hours: 6 other

Grade Mode: Standard Letter

ARCS 20124 SCALE AND PERCEPTION STUDIO 3 Credit Hours

Through a series of related design exercises, this course explores human scale and the ways human beings perceive three-dimensional objects and spaces. Engages students in reading, writing, research and reflection about scale and perception in architecture.

Prerequisite: ARCS 10123.

Schedule Type: Studio

Contact Hours: 6 other

Grade Mode: Standard Letter

ARCS 20125 SYSTEMS AND NETWORKS STUDIO 3 Credit Hours

Through a series of related design exercises, this course explores the ways data analysis, systems thinking and/or networks—both real and contrived—can influence architectural design. Engages students in reading, writing, research and reflection about systems and networks in architecture.

Prerequisite: ARCS 10123.

Schedule Type: Studio

Contact Hours: 6 other

Grade Mode: Standard Letter

ARCS 20501 EXPLORING DESIGN DISCIPLINES 1 Credit Hour

Introduces students to innovative approaches to diverse design disciplines through various activities, including coordinated guest lectures and visits to leading graduate programs, forward-thinking design firms, cultural institutions and the Cleveland Urban Design Collaborative.

Prerequisite: ARCS 10123; and sophomore standing.

Schedule Type: Lecture

Contact Hours: 1 lecture

Grade Mode: Standard Letter

ARCS 30123 MATERIALS AND PROCESSES OF MAKING 3 Credit Hours

Seeks to introduce and foster an ease of mobility through analog and digital design environments utilizing drawing, modeling and fabrication. Students engage in modes of production that enable the testing of material, spatial and tectonic performance through scalar prototyping.

Prerequisite: AED 10102 or ARCH 10102 or ARCS 10123 or ART 10022 or ART 10023 or FDM 10023 or ID 10112 or VCD 13001; and junior standing.

Schedule Type: Lecture, Combined Lecture and Studio, 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 ARCH 10102 or ARCS 10123 or ART 10022 or ART 10023 or FDM 10023 or ID 10112 or VCD 13001; and junior standing.

Schedule Type: Lecture, Combined Lecture and Studio, 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 the scientific method through lab exercises and design projects.

Prerequisite: ARCH 10001 or ARCH 10011 or ARCH 10012 or ID 20012; and sophomore standing.

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: Architectural Studies major or Architectural Studies minor or Architecture major or Construction Management major or Environmental Studies major or Environmental Studies minor or Interior Design major or Sustainability minor; and junior standing.

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; and engages students in visual and textual documentation of urban life and phenomena. Course presents history, theory and practices of documentation. Students meet in Cleveland at the Cleveland Urban Design Collaborative and take frequent in-person visits to urban sites in and around Cleveland.

Prerequisite: ARCH 10011 or ARCH 10012 or ID 20012; 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

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

Prerequisite: ARCH 10011 or ARCH 10012 or ID 20012; and junior standing.

Schedule Type: Lecture

Contact Hours: 3 lecture

Grade Mode: Standard Letter

Attributes: Writing Intensive Course