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 and architectural studies (ARCS) major.
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 and architectural studies (ARCS) major.
Schedule Type: Lecture, Studio
Contact Hours: 1 lecture, 4 other
Grade Mode: Standard Letter

ARCS 30321 STRUCTURAL TYPOLOGY 3 Credit Hours
Course provides a non-computational introduction to structures that focuses on: structure as organization, the historical development of structural prototypes, the structural properties of materials. Utilizes lab exercises to introduce students to basic structural principles and to discuss the effect of scientific method, structural engineering and materials science on architectural design.
Prerequisite: AED 10102 or ARCH 10012 and architectural studies (ARCS) major or minor.
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 and architectural studies (ARCS) major or 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 45213 and architectural studies (ARCS) major or minor.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

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 45213 and architectural studies (ARCS) major or minor.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
Attributes: Writing Intensive Course