ARCHITECTURAL STUDIO SEQUENCE

ARC 825 DRAWING STUDIO I. (1)
Focuses on the rigors of observational drawing. Structure, contour, line, and color are explored through study of the human body with attention to their application to the architectural experience. Studio, three hours per week. Prereq: Admission to the College.

ARC 826 DRAWING STUDIO II. (1)
A continuation of Drawing Studio I with further development of the themes of two-dimensional representation integral to the architectural experience. Studio, three hours per week. Prereq: ARC 825.

ARC 827 RE-PRESENTATION. (2)
A review of the 20th century tectonic themes through readings and visual analyses and an interpretation and re-presentation of these themes looking toward new plastic expressions. Prereq: ARC 860.

ARC 860 TECHNICS AND KINEMATICS I. (2)
Full-scale, three-dimensional construction, investigations of two-dimensional expression, analysis of texts, and writing as the means to explore theoretical constructs. Lecture, one hour; studio, two hours per week. Prereq: Admission to the College.

ARC 861 BASIC ARCHITECTURAL DESIGN I. (4)
Exploration of varieties of architectural experiences through tectonics and individual experimentation. Studio, eight hours per week. Prereq: Admission to the College of Architecture.

ARC 862 BASIC ARCHITECTURAL DESIGN II. (4)
A continuation of Basic Architectural Design I with further exploration of tectonics and experimentation as vehicles for the creation of architectural experiences. Studio, eight hours per week. Prereq: ARC 861 with at least a grade of C.

ARC 863 ARCHITECTURAL DESIGN STUDIO I: MODERN SPACE. (6)
Offers the student an understanding of architectural language based on the new hypotheses about space proposed by Cubism and Neoplasticism. Projects explore their aesthetic and poetic possibilities, with an emphasis on coherence in space, structure, and program. Studio, twelve hours per week. Prereq: ARC 862 with at least a grade of C.

ARC 864 ARCHITECTURAL DESIGN STUDIO II: SINGLE AND MULTIPLE OBJECTS. (6)
Extends the consideration of the issues related to the isolated object to that object upon its multiplication, introduces the issues of site and context, and focuses attention on strategies to obtain thematic unity in a manner that enables the student to develop an architectural language. Studio, twelve hours per week. Prereq: ARC 863 with at least a grade of C.

ARC 865 ARCHITECTURAL DESIGN STUDIO III: CONTEXT. (6)
Emphasizes the problems of site and context and the way they influence the specificity of the object as well as the programmatic strategies. Studio, 12 hours per week. Prereq: ARC 864 with at least a grade of C.

ARC 866 ARCHITECTURAL DESIGN STUDIO IV: TRANSFORMATION AT THE LARGE SCALE. (6)
Explores the relationship between one type of unit and another, between a type of unit and a series, between the aggregation of a series and the structural integrity and unity of a building, and between a building’s image, scale, and context. Studio, 12 hours per week. Prereq: ARC 865 with at least a grade of C.

ARC 867 ARCHITECTURAL DESIGN STUDIO V: COMPLEX PROGRAM IN COMPLEX CONTEXT. (6)
Explores the dialogue between the functional requirements of a complex program and its context through a consideration of the program and the constraints of the site and a detailed development of a portion of the project. Studio, twelve hours per week. Prereq: ARC 866 with at least a grade of C.

ARC 868 ARCHITECTURAL DESIGN STUDIO VI: A PIECE OF THE CITY. (6)
Confronts the problem of the design of public space in the urban and/or suburban fabric of the city and explores the transformation of a fragment of the city through a socially responsive project. Studio, twelve hours per week. Prereq: ARC 867 with at least a grade of C.
ARC 869 ARCHITECTURAL DESIGN STUDIO VII: READING THE OBJECT. (6)
Presents the theme of an object with restrained scale in order to permit the evaluation and refinement of the knowledge, methods of design, and skill at the student’s disposal after four years of study. Studio, twelve hours per week. Prereq: ARC 868 with at least a grade of C.

ARC 870 ARCHITECTURAL DESIGN STUDIO VIII: RECAPITULATION. (6)
A continuation of the evaluation and refinement of knowledge, methods of design, and skills, which was begun in ARC 869 with the opportunity for independent investigation. Studio, twelve hours per week. Prereq: ARC 869 with at least a grade of C.

ARC 901 ARCHITECTURAL DESIGN THESIS (6)
Supervised individual exploration of an architectural problem which permits the student to demonstrate his competence as a designer of buildings and to formalize a coherent personal view of architecture. Studio, twelve hours per week. Prereq: ARC 869 and ARC 899 with at least grades of C.

HISTORY AND THEORY OF ARCHITECTURE SEQUENCE

ARC 120 INTRODUCTION TO THE HISTORY AND THEORY OF ARCHITECTURE. (3)
Introduces recurrent themes in the history and theory of architecture through an examination of seminal examples from different cultures in various historical periods and serves as an introduction to surveys of the history and theory of architecture. Prereq: Admission to College of Architecture or permission of dean.

ARC 121 HISTORY AND THEORY OF ARCHITECTURE I. (3)
The first of four courses in the survey of the history and theory of architecture in the West, with attention to the achievements in Mesopotamia and Egypt, the empires of the Greeks and Romans, and medieval Europe. Prereq: ARC 120.

ARC 222 HISTORY AND THEORY OF ARCHITECTURE II. (3)
Introduces the architecture of the Renaissance and baroque architecture, with emphasis on the seminal Italian contributions as a basis for the investigation of regional varieties elsewhere and the influence of the heritage on contemporary issues in design. Prereq: ARC 121.

ARC 223 HISTORY AND THEORY OF ARCHITECTURE III. (3)
Introduces the developments in architecture and theory in the Enlightenment, the nineteenth century, and the early twentieth century. Prereq: ARC 222.

ARC 324 HISTORY AND THEORY OF ARCHITECTURE IV. (3)
Continues the investigations of the history and theory of architecture in the twentieth century. Prereq: ARC 223.

ARC 325 THEORIES OF URBAN FORM. (3)
An investigation of the factors and a consideration of the theories which have affected urban form.

ARC 589 AMERICAN LANDSCAPES. (3)
A review and analysis of America’s vernacular landscapes. Topics include: the history of settlement by Europeans, Africans, and others; evolving political allegiances; and the expansion of agricultural and industrial technologies in the context of diverse physical environments. The role of political philosophy in landscape development and historic preservation will be highlighted. Prereq: GEO 172 or consent of instructor. (Same as GEO 490G).

ARC 820 STUDIES IN HISTORY AND THEORY OF ARCHITECTURE I: THEORIES. (3)
A series of seminars devoted to investigations of theories of architecture. Prereq: ARC 324.

ARC 821 STUDIES IN HISTORY AND THEORY OF ARCHITECTURE II: URBAN FORM. (3)
A series of seminars devoted to investigations of topics in urban forms. Prereq: ARC 325.

ARC 822 STUDIES IN HISTORY AND THEORY OF ARCHITECTURE III: TECHNIQUES. (3)
A series of seminars devoted to investigations of the means by which architecture is made. Prereq: ARC 324.
STRUCTURAL DESIGN AND ANALYSIS

ARC 830 STRUCTURAL DESIGN AND ANALYSIS I. (3)
Conception of building forms and behaviors as total structural systems and major subsystems. The use of mathematics and physics to determine forces, stresses, and deformations in structural systems. Prereq: MA 109 or 123, MA 112 and PHY 201 or their equivalents.

ARC 831 STRUCTURAL DESIGN AND ANALYSIS II. (3)
A continuation of ARC 830 with an introduction to computer-aided analysis. Prereq: ARC 828 and ARC 830.

ARC 832 STRUCTURAL DESIGN AND ANALYSIS III. (3)
Design of steel structures and timber structures. Prereq: ARC 831.

ARC 833 STRUCTURAL DESIGN AND ANALYSIS IV. (3)
Design of reinforced concrete structures, masonry structures, and foundations. Prereq: ARC 832 or consent of instructor.

MATERIALS AND METHODS OF CONSTRUCTION

ARC 829 MATERIALS AND METHODS OF CONSTRUCTION. (3)
Introduces the art and technics of building, with attention to their influence on the formal language of architecture. Considerations of the properties of materials and methods of construction through analyses of selected works, lectures, and tours of construction sites.

ARC 836 BUILDING SYSTEMS INTEGRATION. (3)
A continuation of ARC 829, with an emphasis on the integration of materials, structural systems, and environmental controls. Detailed investigations of the interpretation and employment of materials and systems of construction, with attention to the manner in which they order architecture. Prereq: ARC 829 and ARC 835; coreq: ARC 833.

ENVIRONMENTAL CONTROLS

ARC 834 ENVIRONMENTAL CONTROLS I. (3)
Introduces concepts of the luminous, thermal, and acoustical environment and the mechanical and electrical systems of buildings. Prereq: PHY 203.

ARC 835 ENVIRONMENTAL CONTROLS II. (3)
A continuation of ARC 834. Prereq: ARC 834.

PROFESSIONAL PRACTICE

ARC 850 PROFESSIONAL PRACTICE. (3)
Professional and ethical responsibility to profession and community; procedural matters pertaining to practice and management.

ADVANCED ARCHITECTURAL PROBLEMS SEQUENCE

ARC 828 COMPUTERS AND ARCHITECTURE. (3)
Introduces computers with an emphasis on the exploration of their applications in architecture. Students will be exposed to the creative potential of computers in design as well as to their analytic capabilities. Lecture, two hours; laboratory, three hours per week. Prereq: Restricted to Architecture and/or Landscape Architecture students only.

ARC 899 THESIS RESEARCH. (3)
Supervised investigation which is intended to identify the salient issues which will be addressed in the thesis and to provide a rationale for the student’s approach to these issues. Prereq: ARC 868 with at least a grade of C and approval of the faculty advisor for the thesis.

ARC 912 INDEPENDENT STUDY. (3)
Supervised, independent investigations of selected topics in architecture. May be repeated to a maximum of nine credits when topics differ sufficiently. Prereq: Written consent of instructor.
ARC 963 SELECTED TOPICS IN ARCHITECTURE (Subtitle required). (3)
Seminars and workshops for investigations of selected topics in architecture. May be repeated to a maximum of nine credits when topics differ sufficiently. Prereq: Consent of instructor.

HISTORIC PRESERVATION SEQUENCE

ARC 501 SELECTED TOPICS IN HISTORIC PRESERVATION (Subtitle required). (3)
Seminars for investigations of selected topics in historic preservation. May be repeated to a maximum of nine credits under different subtitles. Prereq: ARC 324 or consent of instructor.

ARC 602 DYNAMICS OF HISTORIC PRESERVATION: LAW, LAND USE PLANNING AND ECONOMICS. (3)
A sequel to DMT 589, this course is an advanced examination of the history, theory, and legal and economic aspects of architectural preservation. Course readings and discussions will address issues on preservation legislation, the planning process, historic districts and landmarks, tax and economic incentives for preservation/restoration, and rural and urban real estate. Practicing professionals to serve as guest speakers. Prereq: DMT 589 or consent of instructor.

ARC 610 AMERICAN ARCHITECTURE I. (3)
This course will trace the development of architecture from its first appearance in colonial America through its evolution in the early republic until 1860. Vernacular as well as monumental architecture will be examined, and the contributions of craftsmen and the influences of styles in Europe will be assessed. Investigations of well-known examples will provide the student with a basis for the evaluation of more anonymous examples of architecture.

ARC 611 AMERICAN ARCHITECTURE II. (3)
This course, which will provide a sequel to American Architecture I, will trace the development of modern architecture through an examination of the works of prominent architects, beginning with the triumvirate of the greatest American architects – Richardson, Sullivan, and Wright – and continuing with the Saarinens, Mies van der Rohe, and Kahn. Influences on the evolution of the Modern Movement will be investigated, as will recent responses such as post-modern architecture. Prereq: ARC 610 or consent of instructor.

ARC 612 DOCUMENTATION OF HISTORIC BUILDINGS AND SITES. (3)
This course will be an introduction to the techniques for the documentation of historic architecture and sites. Among the methods of documentation to which the students will be introduced will be the location and interpretation of deeds, tax rolls, wills, photographs, and other primary sources, as well as the analysis of architectural evidence for determination of the chronology of construction. Field investigations, descriptions and drawings will provide practical experience.

ARC 613 HISTORICAL STRUCTURAL SYSTEMS AND BUILDING MATERIALS. (3)
An introduction to basic principles of traditional construction in stone, masonry, wood, and cast iron. The student will gain an understanding of the structural systems used with each of these building materials by preparing drawings and/or studying such details as floor and roof framing, window and stair construction, and finishes. The course concludes with a discussion of traditional mechanical systems and strategies for inserting modern systems in older buildings.

ARC 616 PRESERVATION DESIGN STUDIO. (3-6)
An introductory studio in architectural preservation, using sites in Kentucky. Design projects in restoration/preservation and adaptive reuse of historic structures, new urban infill structures, and new structures within historic urban and rural contexts. Individual and team projects, involving interaction with local preservation and planning groups. Lecture, two hours; studio, six hours per week. Prereq: Enrollment in program or consent of instructor.

ARC 699 SUMMER INTERNSHIP. (1-6)
Summer internship either in or out of Kentucky, providing intensive, practical experience in historic preservation. Internships for which the student can apply in other states or countries will be encouraged to provide practical experience outside of Kentucky, and work at several sites is possible. Possible internship programs include those offered by the Smithsonian Institution, National Park Service, or in various foreign countries, depending on the student’s interest and subject to approval of the Director. Prereq: Two semesters of course work or consent of the Director.
ARC 720 CASE STUDIES IN PRESERVATION. (3)
An elective seminar in which case studies of significant local, regional, national and international preservation projects will be presented, analyzed and evaluated. Site visits, lectures by preservationists, architects, developers, and agency officials. Case studies will vary each semester, focusing upon preservation projects of current interest, including individual structures, rural and urban preservation, and community preservation planning. Interaction with groups, analysis projects, student presentations. Prereq: DMT 589 and ARC 602 or consent of instructor.

¶ARC 721 INTERPRETATION OF HISTORIC BUILDINGS AND SITES.
¶ARC 722 HISTORIC PROPERTIES MANAGEMENT AND ADMINISTRATION.

ARC 723 KENTUCKY ARCHITECTURE AND CULTURAL LANDSCAPES. (3)
This course will review Kentucky’s architectural heritage – both high style and vernacular – within the perspective of historical development and ecological setting. It will include discussion of historic migration patterns and the diffusion of ideas from east coast culture hearths. Emphasis will be placed upon understanding how the built and physical environments became the context for cultural landscape development. Rural, small town, and urban landscapes will be examined.

ARC 724 ADVANCED HISTORICAL STRUCTURAL SYSTEMS AND BUILDING MATERIALS CONSERVATION. (3)
A practical discussion of the most effective methods for conserving buildings, organized by building material—wood, masonry, metals, and glass. Readings will be supplemented by site visits and discussion of actual projects. Prereq: ARC 613 or consent of instructor.

ARC 725 PRESERVATION PRACTICUM. (3)
An in-semester practicum with a state or local agency, private firm or university research unit to provide the student with intensive, practical experience in historic preservation. Students will execute a learning contract with the Preservation Program Director and prospective employer detailing the work they will carry out, identifying achievable, measurable learning objectives, specifying the criteria by which their work will be evaluated, and setting meetings dates with the participating parties to chart their progress. Prereq: Two semesters of course work or consent of the Director.

*ARC 726 AMERICAN MATERIAL CULTURE. (3)
Survey of approaches to the study of American material culture by various academic disciplines such as history, geography, anthropology, interior design, folklore and architecture. First half of course will review how the various disciplines study material culture. Second half will present ways in which various approaches can be combined to restore, interpret, furnish, and landscape historic structures and sites. Specific examples will be provided on a case study basis. (Same as ANT 726.)

¶ARC 728 HISTORIC LANDSCAPE AND GARDEN RESTORATION AND INTERPRETATION.
¶ARC 750 ARCHITECTURE DESIGN STUDIO.

ARC 798 MASTER’S PROJECT I. (3)
The Master’s Project or Thesis is designed to serve as the capstone of the student’s experience in the program as well as an opportunity for students to investigate in-depth a preservation design project or a scholarly essay of substantial length on a topic chosen in consultation with the director and supervised by an appropriate committee chair and committee. Prereq: Admission to the graduate program, and completion of 24 hours of course work.

ARC 799 MASTER’S PROJECT II. (3)
This is a sequel to ARC 798. The course focuses the student, under the direction of a committee chair and committee chosen by the director in consultation with the student, on completing the design project or scholarly essay as developed in ARC 798. Prereq: 39 hours of course work or consent of instructor.