

# ARCHITECTURE (ARCH)

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## **ARCH 1016. Foundation Studio 1. 4 Credit Hours.**

Introduction to creative problem-solving and the design realization cycle through project-based design exercises that emphasize the role of representation.

## **ARCH 1017. Architecture Design Studio 1. 5 Credit Hours.**

Introduction to the design of complex problems through an emphasis on integrative and collaborative design strategies, research, critical reflection, and interdisciplinary teamwork.

## **ARCH 1020. Media + Modeling 1. 3 Credit Hours.**

Intermediate approaches to two and three dimensional modeling and representation in architecture using both manual and digital media and techniques.

## **ARCH 1060. Introduction to Design and the Built Environment. 3 Credit Hours.**

Introduction to architecture and building construction through case studies that illuminate past and present practices, as well as future possibilities within the discipline.

## **ARCH 1854. Special Topics. 4 Credit Hours.**

Special topics in design.

## **ARCH 1855. Special Topics. 5 Credit Hours.**

Special Topics in design.

## **ARCH 1XXX. Architecture Elective. 1-21 Credit Hours.**

## **ARCH 2016. Architecture Design Studio 2. 5 Credit Hours.**

Elementary design exercises exploring fundamental issues of form and space through analysis of architectural elements and compositions and their use in creative problem solving.

## **ARCH 2017. Architecture Design Studio 3. 5 Credit Hours.**

Elementary design exercises focusing upon the compositional integration of building and site through the creative assimilation of programmatic, technical, and contextual requirements.

## **ARCH 2020. Media + Modeling 2. 3 Credit Hours.**

Advanced approaches to two and three dimensional modeling and representation in architecture using both manual and digital media and techniques.

## **ARCH 2111. History of Architecture I. 3 Credit Hours.**

Architectural history from antiquity through the eighteenth century emphasizing buildings in their cultural context as informed by social, technological, and constructive factors and theoretical positions.

## **ARCH 2112. History of Architecture II. 3 Credit Hours.**

Architectural history during the nineteenth and twentieth centuries emphasizing buildings in their cultural context as informed by social, technological, and constructive factors and theoretical positions.

## **ARCH 2115. Modern Architecture and Art in Europe, America and Australia: Nineteenth and Twentieth Centuries. 3 Credit Hours.**

A brief survey of architecture and art in the nineteenth and twentieth centuries, including a discussion of related influences on developments in those fields.

## **ARCH 2211. Construction Technology and Design Integration I. 3 Credit Hours.**

Introduction to building anatomy, technical and expressive characteristics of materials and their organizational assembly.

**ARCH 2698. Undergraduate Research Assistantship. 1-12 Credit Hours.**  
Independent research conducted under the guidance of a faculty member.

**ARCH 2699. Undergraduate Research. 1-12 Credit Hours.**  
Independent research conducted under the guidance of a faculty member.

**ARCH 2803. Special Topics. 3 Credit Hours.**  
Special Topics in design.

**ARCH 2854. Special Topics. 4 Credit Hours.**  
Special Topics in design.

## **ARCH 2XXX. Architecture Elective. 1-21 Credit Hours.**

## **ARCH 3007. Art & Architecture in Greece. 3 Credit Hours.**

An intensive on-site investigation of the role that the arts and architecture have played in the development of classical Greek civilization.

## **ARCH 3008. Art & Architecture in Italy I. 3 Credit Hours.**

Investigations of the painting, sculpture, and architecture of the Classical, Early Christian, Byzantine, and Medieval periods in Italy with special emphasis on Rome.

## **ARCH 3009. Art & Architecture in Italy II. 3 Credit Hours.**

Investigations of the painting, sculpture, and architecture of the Renaissance and Baroque Periods in Italy with special emphasis on the works in Rome.

## **ARCH 3010. Design Strategies. 3 Credit Hours.**

The design process as reflection in action. The logic of design decisions. The synthesis of diverse bodies of knowledge in design. Interdisciplinary collaborations in design.

## **ARCH 3011. Architectural Design Studio III. 5 Credit Hours.**

Intermediate architectural design projects emphasizing the functional priorities and expressive potential of building technologies through studio problems of varying programmatic and contextual complexity.

## **ARCH 3012. Architectural Design Studio IV. 5 Credit Hours.**

Intermediate architectural design projects exploring the inter-relationships of various programmatic models, normative building types, and technological themes within specific physical, urban, and cultural contexts.

## **ARCH 3016. Architecture Design Studio 4. 5 Credit Hours.**

Intermediate architectural design projects emphasizing the functional priorities and expressive potential of building technologies through studio problems of varying programmatic and contextual complexity.

## **ARCH 3017. Architecture Design Studio 5. 5 Credit Hours.**

Intermediate architectural design projects exploring the inter-relationships of various programmatic models, normative building types, and technological themes within specific physical, urban and cultural contexts.

## **ARCH 3115. Modern Arch and Art Workshop. 3 Credit Hours.**

A brief survey of key ideas of architecture and art in the twentieth century and exploration of their application to current architectural design and representation.

## **ARCH 3135. City Literacy. 3 Credit Hours.**

The course frames the city as material and social space, focusing on everyday experience in exemplary cities to explore how they are conceived and negotiated.

**ARCH 3231. Environmental Systems and Design Integration I. 3 Credit Hours.**

Human physiology, the occupation of space, and principles of sustainability. Micro-climate, energy consumption, thermal loading, passive solar strategies, daylighting, optics, and acoustics.

**ARCH 3241. Fundamentals of Structures. 3 Credit Hours.**

Physics of structure: principles of statics, strengths of materials, and the dynamic forces acting upon them.

**ARCH 3855. Special Topics. 5 Credit Hours.**

Special Topics in design.

**ARCH 3XXX. Architecture Elective. 1-21 Credit Hours.**

**ARCH 4011. Architectural Design Studio V. 5 Credit Hours.**

Advanced studies in architectural design emphasizing application of analytical, conceptual, and representational skills within projects that engage and problematize urban context culturally, ecologically, and technologically.

**ARCH 4012. Architectural Design Studio VI. 5 Credit Hours.**

Advanced studies in architectural design emphasizing application of analytical, conceptual, and representational skills within projects that engage and problematize context culturally, ecologically, and technologically.

**ARCH 4015. Structures 1. 3 Credit Hours.**

Gravity loads on building structures. Introduction to structural planning. Design of wood and steel structures. Properties of wood and architectural metals. Computer-based analysis of structures.

**ARCH 4016. Architecture Design Studio 6. 5 Credit Hours.**

Advanced studies in architectural design emphasizing application of analytical, conceptual, and representational skills within projects that engage and problematize urban context culturally, ecologically and technologically.

**ARCH 4017. Architecture Design Studio 7. 6 Credit Hours.**

Advanced studies in architectural design emphasizing application of analytical, conceptual, and representational skills within projects that engage and problematize urban context culturally, ecologically and technologically. Capstone Design Studio.

**ARCH 4025. Structures 2. 3 Credit Hours.**

Lateral loads and lateral load resisting systems for building structures. Design and application of Portland cement concrete mixtures. Design of reinforced concrete structures. Building foundations.

**ARCH 4107. Introduction to Historic Preservation. 3 Credit Hours.**

This course provides an overview of the history, philosophy, organization, current legislation, policies, and practice of historic preservation.

**ARCH 4109. Architecture and Minimalism. 3 Credit Hours.**

This course examines the influence of "minimalism," the 1960s art phenomenon, upon architecture culture and production from 1968-present.

**ARCH 4110. Public Space: Questions and Configurations. 3 Credit Hours.**

This course addresses questions concerning present-day configurations of public space as a platform for analysis of the contemporary city.

**ARCH 4112. Architecture in Georgia. 3 Credit Hours.**

A field study and archival research on the architecture of the state of Georgia outside of Atlanta.

**ARCH 4113. History of Renaissance and Mannerist Architecture. 3 Credit Hours.**

Investigation of the history and theory of Renaissance and Mannerist architecture with a primary emphasis on Italy.

**ARCH 4114. Medieval Architecture. 3 Credit Hours.**

Investigations of the architecture of Medieval Europe with an emphasis on English and French Romanesque and Gothic, including towns and castles.

**ARCH 4115. Introduction to Principles of Classical Design. 3 Credit Hours.**

An introduction to the principles of Classical and traditional architectural design through readings, discussions, and site visits with Classical architects.

**ARCH 4117. Architecture and the Arts and Crafts Movement. 3 Credit Hours.**

Investigations in the theory, design, and building methods of English and American architects associated with the Arts and Crafts Movement.

**ARCH 4118. American Academic Architecture. 3 Credit Hours.**

Investigations of the history and theory of late nineteenth- and twentieth-century classicism in America.

**ARCH 4119. Architecture of Frank Lloyd Wright. 3 Credit Hours.**

Investigations on the life and work of Frank Lloyd Wright.

**ARCH 4120. Atlanta Architecture. 3 Credit Hours.**

Investigations through lectures, reading, and research of the history of Atlanta architecture and significant architectural firms from the city's founding to the present.

**ARCH 4123. European Modernism. 3 Credit Hours.**

Survey of European architecture from Art Nouveau to LeCorbusier.

**ARCH 4124. History of Architecture in the United States. 3 Credit Hours.**

History investigations of architecture within the continental United States from the colonial period to the present.

**ARCH 4125. French Architecture from Ledoux to LeCorbusier. 3 Credit Hours.**

History of French architecture from Ledoux to LeCorbusier with special emphasis on Paris.

**ARCH 4126. Paris Urban History. 3 Credit Hours.**

The social, cultural, urban, and architectural history of the city of Paris, from its founding until the present. Course offered in Paris only.

**ARCH 4127. Introduction to Art and Architecture in Italy. 1 Credit Hour.**

Required preparation for the COA Summer Program in Italy. The course includes the fundamentals of art and architecture, basic Italian language skills, and library research for required summer program projects.

**ARCH 4128. Barcelona: Architecture, Urban Design, Public Space. 3 Credit Hours.**

Architectural history of the city of Barcelona and its public spaces, with a focus on the major urban and architectural projects since 1850. Offered through the Studies Abroad Program.

**ARCH 4129. Form and Narrative: Cross Media Analysis. 3 Credit Hours.**

This theory course will involve an extended comparison between architecture and related art forms, especially painting, film, and writing.

**ARCH 4133. Architecture and Discourse of the Everyday. 3 Credit Hours.**

Application of the concept of the everyday to architectural practice from perspectives of European social theory, American cultural landscape studies, and contemporary architectural theory.

**ARCH 4137. Postwar Architecture and Urbanism in the U.S.: Design, Politics & History. 3 Credit Hours.**

Introduction to the economic, social, political, cultural, and technological forces that shape architecture and cities in the United States after World War II.

**ARCH 4140. Modern and Contemporary Architectural Theory and Criticism. 3 Credit Hours.**

Introduction to modern and contemporary architectural theory and criticism, including writings and manifestoes, analyses, projects and buildings.

**ARCH 4142. Dwelling: Histories and Theories of Environmental Behavior and Design. 3 Credit Hours.**

Explores scholarship and case studies from multiple disciplines relating to issues of place, community identity and memory, culturally constructed meaning, and appropriate use of resources.

**ARCH 4143. Museums: History, Theory, Design. 3 Credit Hours.**

Investigates museums as manifestations of the construction and content of knowledge, the public mission of cultural and scientific institutions and the framing of visitors experience.

**ARCH 4151. History of Urban Form. 3 Credit Hours.**

History of the city as a collective work of architecture with an emphasis on the city's physical form and space. Credit not allowed for both ARCH 4151 and COA 6151.

**ARCH 4220. Construction Technology and Design Integration II. 3 Credit Hours.**

Integration, representation, and constructability of building assemblies and structural systems. Grading, drainage, foundations, structure, and enclosure in relation to building codes and principles of sustainability.

**ARCH 4225. Reinvestigating the Detail: The Ornamental and the Everyday. 3 Credit Hours.**

Explores the role of the detail in contemporary architectural practice.

**ARCH 4226. Green Construction. 3 Credit Hours.**

This course focuses on the means, methods, strategies, and technologies to improve the energy efficiency and performance of buildings, and to reduce the environmental impact of buildings. Credit will not be awarded for both ARCH 4226 and ARCH 6226 or ARCH 4226 and BC 4710.

**ARCH 4227. Architecture and Ecology. 3 Credit Hours.**

Introduction to ecological design theory, research, and practice in architecture, including writings, criticism, and analyses of buildings and projects.

**ARCH 4231. Environmental Systems and Design Integration II. 3 Credit Hours.**

Active building systems design: artificial lighting, mechanical, electrical, communication, transportation systems. Case studies of integrated and sustainable building assemblies.

**ARCH 4232. On Growth and Form. 3 Credit Hours.**

Combination of aesthetic theory, history and digital design theory. The tracing of digital design (or generative design) back to its early roots in Romanticism.

**ARCH 4240. Building Simulation in Design Practice. 3 Credit Hours.**

Numerical simulation of performance of characteristics of whole buildings. Review of the finite element method for uniform treatment of transport phenomena in different building technology domains. Credit not awarded for both ARCH 4240 and ARCH 6241.

**ARCH 4252. Architectural Structures and Design Integration II. 3 Credit Hours.**

Lateral loads and lateral load resisting systems for building structures. Design and application of Portland cement concrete mixtures. Design of reinforced concrete structures. Building foundations.

**ARCH 4253. Advanced Structures Seminar. 3 Credit Hours.**

Fundamentals of steel and concrete design and the computerized design of steel and concrete structural systems for multi-story buildings.

**ARCH 4303. Programming and Building Evaluation. 3 Credit Hours.**

Building programming and evaluation of building performance with respect to the aims of organizational users, policy development, and the process of planning and design decisions.

**ARCH 4305. Near and Far. Cross-Cultural Practices in Art, Architecture and Design. 3 Credit Hours.**

This course will address the material culture of globalization and cultural diffusion, emphasizing the multicultural registers of work produced between and across geographical, cultural, and disciplinary boundaries.

**ARCH 4310. How do we dwell?. 3 Credit Hours.**

Explores environmental behavior and the role of design in it through exploration of place and space, communal identity and memory, and natural and social ecology.

**ARCH 4315. Professional Practice of Architecture. 3 Credit Hours.**

Principles and framework of professional practice including ethics, legal climate, business practices and contracts, project process and management, office organization, and methods of building production.

**ARCH 4316. Traditions of Architectural Practice. 3 Credit Hours.**

Critical examination of architectural practice. Cultural derivation and technological transformation of various conventions of representation, construction, and design; speculation about future paradigms of architectural practice.

**ARCH 4320. Retrofitting Suburbia. 3 Credit Hours.**

Study of suburban redevelopment trends, projects, and policies that improve environmental, social, and economic sustainability, with an emphasis on urban design strategies. Credit not awarded for both ARCH 4320 and COA 6120.

**ARCH 4330. Understanding Clients and Users: Methods for Programming and Evaluation. 3 Credit Hours.**

Theories and methods of architectural programming and evaluation.

**ARCH 4334. Housing and Culture. 3 Credit Hours.**

Examination of social, cultural, and behavioral issues as they influence the form of houses and housing.

**ARCH 4335. The Social Practice of Architecture. 3 Credit Hours.**

Introduction to theories and findings about human use and experience of architecture.

**ARCH 4350. Architectural Theory. 3 Credit Hours.**

A critical perspective on the topics, voices, and texts that have dominated architectural discourse in the West.

**ARCH 4411. Introduction to Visual Arts. 3 Credit Hours.**

Orientation to issues of visual perception and representation of form and space through freehand drawing, composition, color, texture, mixed-media, and journal making.

**ARCH 4412. Drawing and the Human Figure. 3 Credit Hours.**

Studio instruction in figure drawing from the live model with emphasis on the structure and dynamics of the human figure.

**ARCH 4413. Collage Making. 3 Credit Hours.**

Concepts of collage within art, architecture, and culture; manual and electronic approaches to two and three-dimensional collage making.

**ARCH 4414. Representation in Watercolor. 3 Credit Hours.**

Introductory course in the use of transparent watercolor for field painting and architectural representation. Theory of pigment characteristics in applied painting.

**ARCH 4415. Photography I. 3 Credit Hours.**

Introduction to studio, darkroom, and field photography with emphasis on composition, processing, and printing.

**ARCH 4416. Photography II. 3 Credit Hours.**

Advanced techniques in photography. Use of color, filters, four-by-five format cameras with emphasis on architectural photography.

**ARCH 4417. Building Furniture and Furnishing Buildings. 3 Credit Hours.**

A course that focuses on schematic design development of furniture. The emphasis of this course is on conceptual development and material and structural clarity.

**ARCH 4447. Urban Ecological Design. 3 Credit Hours.**

This course engages the contemporary issues of urban ecology and its articulation to design. It explores relationship between urban forms and flows of ecology, energy, material, water and information. Credit will not be awarded for both ARCH 4447 and ARCH 6447 or ARCH 4447 and CP 6836.

**ARCH 4503. BIM (Building Information Modeling) Applications. 3 Credit Hours.**

Survey of Building Information Modeling - its technologies exploration of new technologies to be applied and new procedures of project execution. Credit is not awarded for both ARCH 4503 and ARCH 6503.

**ARCH 4505. Geometric Constructs. 3 Credit Hours.**

Geometric surface and solid construction fundamentals using parametric modeling tools; use of sketching workbenches. Credit will not be awarded for both ARCH 4505 and ARCH 6505.

**ARCH 4507. Parametric Design. 3 Credit Hours.**

Exploration of concepts and mechanisms for creating custom parametric models that use hierarchies of relationships, constraints and rules for architectural components through parameters. Credit not awarded for both ARCH 4507 and ARCH 6507.

**ARCH 4508. Shape Grammars. 3 Credit Hours.**

Shape grammars are a powerful formal system for the generative description, interpretation and evaluation of designs. Credit will not be awarded for both ARCH 4508 and ARCH 6508.

**ARCH 4515. Collaborative Design Workshop. 3 Credit Hours.**

Collaborative Design Workshop provides a platform for students to participate in a "live project" that requires them to navigate external relationships and constraints as part of the design process.

**ARCH 4630. Architecture, Space and Culture. 3 Credit Hours.**

Analytical models of the social functions of architectural space and evaluation of associated design choices, across a variety of building types.

**ARCH 4698. Undergraduate Research Assistantship. 1-12 Credit Hours.**

Independent research conducted under the guidance of a faculty member.

**ARCH 4699. Undergraduate Research. 1-12 Credit Hours.**

Independent research conducted under the guidance of a faculty member.

**ARCH 4701. Analog-Digital Design Computing. 3 Credit Hours.**

Analog and digital approaches in design computation. Visual and symbolic representations. Algorithmic and computational tools. History and logic. Credit will not be awarded for both ARCH 4701 and ARCH 6501.

**ARCH 4702. Design Scripting. 3 Credit Hours.**

Learning the concepts and application of scripting languages in architecture and form generation. Credit will not be awarded for both ARCH 4702 and ARCH 6502.

**ARCH 4770. Psychology and Environmental Design. 3 Credit Hours.**

Introduction to psychological concepts relevant to environmental design. Survey of selected methods for assessing human-made environments. Crosslisted with PSYC 4770.

**ARCH 4801. Special Topics. 1 Credit Hour.****ARCH 4802. Special Topics. 2 Credit Hours.****ARCH 4803. Special Topics. 3 Credit Hours.****ARCH 4804. Special Topics. 4 Credit Hours.****ARCH 4805. Special Topics. 5 Credit Hours.****ARCH 4811. Special Topics: Architectural Design. 1 Credit Hour.****ARCH 4812. Special Topics: Architectural Design. 2 Credit Hours.****ARCH 4813. Special Topics: Architectural Design. 3 Credit Hours.****ARCH 4814. Special Topics: Architectural Design. 4 Credit Hours.****ARCH 4815. Special Topics: Architectural Design. 5 Credit Hours.****ARCH 4821. Special Topics: History, Theory, and Criticism. 3 Credit Hours.****ARCH 4822. Special Topics: History, Theory, and Criticism. 3 Credit Hours.****ARCH 4823. Special Topics: History, Theory, and Criticism. 3 Credit Hours.****ARCH 4831. Special Topics: Architectural Technology. 3 Credit Hours.****ARCH 4832. Special Topics: Architectural Technology. 3 Credit Hours.****ARCH 4833. Special Topics: Architectural Technology. 3 Credit Hours.****ARCH 4841. Special Topics: Professional and Social Practice. 3 Credit Hours.****ARCH 4842. Special Topics: Professional and Social Practice. 3 Credit Hours.****ARCH 4843. Special Topics: Professional and Social Practice. 3 Credit Hours.****ARCH 4851. Special Topics: Visual Arts and Computing. 1 Credit Hour.****ARCH 4852. Special Topics: Visual Arts and Computing. 2 Credit Hours.****ARCH 4853. Special Topics: Visual Arts and Computing. 3 Credit Hours.****ARCH 4855. Special Topics. 5 Credit Hours.**  
Special topics in design.**ARCH 4863. Special Topics. 3 Credit Hours.**  
Topics of current interest in architecture.



**ARCH 4901. Special Problems. 1-21 Credit Hours.**

**ARCH 4902. Special Problems. 1-21 Credit Hours.**

**ARCH 4903. Special Problems. 1-21 Credit Hours.**

**ARCH 4904. Special Problems. 1-21 Credit Hours.**

**ARCH 4905. Special Problems. 1-21 Credit Hours.**

**ARCH 4911. Special Problems: Architectural Design. 1-21 Credit Hours.**

**ARCH 4912. Special Problems: Architectural Design. 1-21 Credit Hours.**

**ARCH 4913. Special Problems: Architectural Design. 1-21 Credit Hours.**

**ARCH 4914. Special Problems: Architectural Design. 1-21 Credit Hours.**

**ARCH 4915. Special Problems: Architectural Design. 1-21 Credit Hours.**

**ARCH 4921. Special Problems: History, Theory, and Criticism. 1-21 Credit Hours.**

**ARCH 4922. Special Problems: History, Theory, and Criticism. 1-21 Credit Hours.**

**ARCH 4923. Special Problems: History, Theory, and Criticism. 1-21 Credit Hours.**

**ARCH 4931. Special Problems: Architectural Technology. 1-21 Credit Hours.**

**ARCH 4932. Special Problems: Architectural Technology. 1-21 Credit Hours.**

**ARCH 4933. Special Problems: Architectural Technology. 1-21 Credit Hours.**

**ARCH 4941. Special Problems: Professional and Social Practice. 1-21 Credit Hours.**

**ARCH 4942. Special Problems: Professional and Social Practice. 1-21 Credit Hours.**

**ARCH 4943. Special Problems: Professional and Social Practice. 1-21 Credit Hours.**

**ARCH 4951. Special Problems: Visual Arts and Design Computing. 1-21 Credit Hours.**

**ARCH 4952. Special Problems: Visual Arts and Design Computing. 1-21 Credit Hours.**

**ARCH 4953. Special Problems: Visual Arts and Design Computing. 1-21 Credit Hours.**

**ARCH 4XXX. Architecture Elective. 1-21 Credit Hours.**

**ARCH 6007. Art & Architecture in Greece. 3 Credit Hours.**  
An intensive on-site investigation of the role that the arts and architecture have played in the development of classical Greek civilization.

**ARCH 6008. Art & Architecture in Italy I. 3 Credit Hours.**  
Investigations of the painting, sculpture, and architecture of the Classical, Early Christian, Byzantine, and Medieval periods in Italy with special emphasis on Rome.

**ARCH 6009. Art & Architecture in Italy II. 3 Credit Hours.**  
Investigations of the painting, sculpture, and architecture of the Renaissance and Baroque periods in Italy with special emphasis on the works of Rome.

**ARCH 6010. Media + Modeling 1. 3 Credit Hours.**  
Introductory approaches to two and three dimensional modeling and representation in architecture using both manual and digital media and techniques.

**ARCH 6015. Structures 1. 3 Credit Hours.**

This course provides students with a basic knowledge of analysis and design of building structures and the ordering of structural systems to resist gravity and lateral loads.

**ARCH 6020. Media + Modeling 2. 3 Credit Hours.**

Intermediate approaches to two dimensional modeling and representation in architecture using both manual and digital media techniques.

**ARCH 6024. Architecture Core I Studio. 5 Credit Hours.**

Foundation studies in architectural design emphasizing analytical and analogical generative strategies applied to studio problems that engage architectural representation, composition, and fabrication. Credit not allowed for both ARCH 6024 and ARCH 4021.

**ARCH 6026. Architecture Core II Studio. 5 Credit Hours.**

Intermediate studies in architectural design emphasizing integrative design strategies that engage the programmatic, contextual, and constructed dimensions of architecture and its representations. Credit not allowed for both ARCH 6026 and ARCH 4022.

**ARCH 6027. Architecture Core III Studio. 5 Credit Hours.**

Intermediate studies in architectural design emphasizing integrative design strategies that engage the programmatic, contextual, and constructed dimensions of architecture and its representations. Credit not allowed for both ARCH 6027 and ARCH 4023.

**ARCH 6028. Core 1 Studio. 5 Credit Hours.**

Foundation studies in architectural design emphasizing analytical and analogical generative strategies applied to studio problems that engage architectural representation, composition, and fabrication.

**ARCH 6029. Core 2 Studio. 5 Credit Hours.**

Intermediate studies in architectural design emphasizing integrative design strategies that engage the programmatic, contextual, and constructed dimensions of architecture and its representations.

**ARCH 6030. Core 3 Studio. 5 Credit Hours.**

Intermediate studies in architectural design emphasizing integrative design strategies that engage the programmatic, contextual, and constructed dimensions of architecture and its representations.

**ARCH 6039. Advanced Architectural Studio 1. 6 Credit Hours.**

Architectural design studio exploring advanced issues in architecture from the perspectives of professional practice, sustainability, technology and urban design.

**ARCH 6040. Advanced Architectural Studio 2. 6 Credit Hours.**

Architectural design studio exploring advanced issues in architecture from the perspectives of professional practice, sustainability, technology and urban design.

**ARCH 6049. Design + Research Studio 1. 6 Credit Hours.**

Advanced architectural design emphasizing innovation through applied research. Emerging methods of design generation/evaluation. Changing topics: healthcare, fabrication, urbanism, ecology, building performance, cultural institutions.

**ARCH 6050. Design + Research Studio 2. 6 Credit Hours.**

Advanced architectural design emphasizing innovation through applied research. Emerging methods of design generation/evaluation. Changing topics: healthcare, fabrication, urbanism, ecology, building performance, cultural institutions.

**ARCH 6069. Advanced Architectural Design I. 6 Credit Hours.**

Architectural design studio exploring advanced issues in architecture from the perspectives of professional practice, sustainability, technology and urban design.

**ARCH 6070. Advanced Architectural Design II. 6 Credit Hours.**

Architectural design studio exploring advanced issues in architecture from the perspectives of professional practice, sustainability, technology and urban design.

**ARCH 6071. Architecture Design and Research Studio I. 6 Credit Hours.**

Advanced architectural design emphasizing innovation through applied research. Emerging methods of design generation/evaluation. Changing topics: healthcare, fabrication, urbanism, ecology, building performance, cultural institutions.

**ARCH 6072. Architectural Design and Research Studio 2. 6 Credit Hours.**

Advanced architectural design emphasizing innovation through applied research. Emerging methods of design generation/evaluation. Changing topics: healthcare, fabrication, urbanism, ecology, building performance, cultural institutions.

**ARCH 6100. Retrofitting Suburbia. 3 Credit Hours.**

Study of suburban redevelopment trends, projects, and policies that improve environmental, social, and economic sustainability, with an emphasis on urban design strategies.

**ARCH 6105. Architectural History I - Antiquity through the 18th Century. 3 Credit Hours.**

Architectural history from antiquity through the 18th century emphasizing buildings in their cultural context as informed by social, technological, and constructive factors and theoretical positions. Credit not allowed for both ARCH 6105 and ARCH 4105 or ARCH 2111.

**ARCH 6106. Architectural History II - 19th and 20th Century. 3 Credit Hours.**

Architectural history during the 19th and 20th centuries emphasizing buildings in their cultural context as informed by social, technological, and constructive factors and theoretical positions. Credit not allowed for both ARCH 6106 and ARCH 4106 or ARCH 2112.

**ARCH 6107. Intro to Historic Preser. 3 Credit Hours.**

This course provides an overview of the history, philosophy, organization, current legislation, policies, and practice of historic preservation.

**ARCH 6109. Architecture and Minimalism. 3 Credit Hours.**

This course examines the influence of "minimalism," the 1960s art phenomenon, upon architecture culture and production from 1968-present.

**ARCH 6110. Public Space: Questions and Configurations. 3 Credit Hours.**

This course addresses questions concerning present-day configurations of public spaces as a platform for analysis of the contemporary city.

**ARCH 6112. Islamic Architecture and Urbanism. 3 Credit Hours.**

Two-part survey of Asian architecture and urbanism (excluding East Asia). The Islamic world up to the 18th century: the Mughal, Raj, and post-independence periods in Indian subcontinent.

**ARCH 6113. History of Renaissance and Mannerist Architecture. 3 Credit Hours.**

Investigation of the history and theory of Renaissance and Mannerist architecture with a primary emphasis on Italy.

**ARCH 6114. Architecture and Discourse of the Everyday. 3 Credit Hours.**

Application of the concept of the everyday to architectural practice from perspectives of European social theory, American cultural landscape studies, and contemporary architectural theory.

**ARCH 6115. Introduction to Principles of Classical Design. 3 Credit Hours.**

An introduction to the principles of Classical and traditional architectural design through readings, discussions, and site visits with Classical architects.

**ARCH 6117. Architecture of the Arts and Crafts Movement. 3 Credit Hours.**

Study of the theory, design, and construction of the "artistic" house as embodied in the English and American Arts and Crafts Movement and in related developments elsewhere.

**ARCH 6119. Frank Lloyd Wright and His Influence. 3 Credit Hours.**

Study of the life, work, and influence of Frank Lloyd Wright, including work of his apprentices and followers.

**ARCH 6120. History of Atlanta Architecture. 3 Credit Hours.**

Study of the architecture of the Atlanta metro area.

**ARCH 6127. Introduction to Art and Architecture in Italy. 1 Credit Hour.**

Required preparation for the COA Summer Program in Italy. Includes the fundamentals of art and architecture; basic Italian language skills; library research for required summer program projects.

**ARCH 6129. Form and Narrative: Cross Media Analysis. 3 Credit Hours.**

This theory course will involve an extended comparison between architecture and related art forms, especially painting, film, and writing.

**ARCH 6135. Architectural Representation. 3 Credit Hours.**

Systems of architectural representation and codes of thinking, drawing, and reading architecture.

**ARCH 6136. Architecture and Ideology. 3 Credit Hours.**

Architecture and politics in Italy, Germany, and the Soviet Union between the wars.

**ARCH 6137. Postwar Architecture and Urbanism in the U.S.: Design, Politics & History. 3 Credit Hours.**

Introduction to the economic, social, political, cultural, and technological forces that shape architecture and cities in the United States after World War II.

**ARCH 6142. Dwelling: Histories and Theories of Environmental Behavior and Design. 3 Credit Hours.**

Explores scholarship and case studies from multiple disciplines relating to issues of place, community identity and memory, culturally constructed meaning, and appropriate use of resources.

**ARCH 6143. Museums: History, Theory, Design. 3 Credit Hours.**

Investigates museums as manifestations of the construction and content of knowledge, the public mission of cultural and scientific institutions and the framing of visitors experience.

**ARCH 6151. Theories of Urban Design. 3 Credit Hours.**

Contemporary theories of urban design and their relationship to the contemporary city examined through architects' writings, urban projects, and interdisciplinary criticism.

**ARCH 6152. Studies in Landscape Architecture. 3 Credit Hours.**

History and theory of the designed landscape and garden from the ancient world to the present.

**ARCH 6153. History and Theory of the Modern City. 3 Credit Hours.**

An examination of the evolution of the modern city in the nineteenth and twentieth centuries with particular reference to architectural, city planning, and urban design theories.

**ARCH 6154. Introduction to Urban Design. 3 Credit Hours.**

Introduction of urban design ideas, research, and practice, examining traditional qualities of the American city and their possible applications in the contemporary city.

**ARCH 6155. Contemporary Architecture and Urbanism in Europe. 3 Credit Hours.**

A course on contemporary architecture and urban projects in Europe, including the architect's writings, published criticism, and analyses of the buildings and projects.

**ARCH 6160. Race, Space, and Architecture in the United States. 3 Credit Hours.**

This course examines the relationship between architecture - as social practice and as a labor market - and race in the United States.

**ARCH 6171. Formulation of Design Intention in Architecture. 3 Credit Hours.**

Reviews theories of interpretive criticism in architecture, and develops methodological approaches to interpreting criticizing, and formulating conceptual intent in architectural design.

**ARCH 6206. Studies in Architectural Building Assemblies. 3 Credit Hours.**

Structural and cladding systems integration, environmental control, and tectonic representation explored through historical and contemporary case studies and applied design solutions.

**ARCH 6209. Building Enclosure: A Tectonic Element. 3 Credit Hours.**

Investigations of enclosure design from three perspectives (technology, form, and culture), analyzing relationships of the four Semperian elements and Alberti's three parts of the enclosure.

**ARCH 6210. Architectonics. 3 Credit Hours.**

The study of architecture of form from both an historical and a mathematical perspective. The formal theory is applied mathematics, group theory, combinatorics, as well as recent studies in the history of mathematics.

**ARCH 6215. Contemporary Architecture and Construction Technology. 3 Credit Hours.**

General exposure to questions pertaining to the production of building systems and assemblies through a series of case study projects by contemporary practicing architects.

**ARCH 6216. Eco-Tectonics: Making and Meaning. 3 Credit Hours.**

Strategies of ecologically sustainable design and construction and the role of the architect in the stewardship of the environment.

**ARCH 6218. The Material Logic of Architecture. 3 Credit Hours.**

Introduction to scientific and practical nature of architectural materials: soils, cements, metals, plastics, and glazing materials. Laboratory includes fabrication of, and experiments on, architectural materials.

**ARCH 6225. Reinvestigating the Detail: The Ornamental and the Everyday. 3 Credit Hours.**

Explores the role of the detail in contemporary architectural practice.

**ARCH 6226. Green Construction. 3 Credit Hours.**

This course focuses on the means, methods, strategies, and technologies to improve the energy efficiency and performance of buildings, and to reduce the environmental impact of buildings.

**ARCH 6227. Architecture and Ecology. 3 Credit Hours.**

Introduction to ecological design theory, research, and practice in architecture, including writings, criticism, and analyses of buildings and projects.

**ARCH 6228. Analytical Investigations in Urban Design. 3 Credit Hours.**

Measures of urban and spatial form. Analysis of street connectivity. Models of space use and spatial cognition. Comparison and evaluation of design alternatives.

**ARCH 6229. Construction Technology and Design Integration I. 3 Credit Hours.**

Introduction to building anatomy, technical and expressive characteristics of materials and their organizational assembly. Credit not allowed for both ARCH 6229 and ARCH 4219.

**ARCH 6241. Building Simulation in Design Practice. 3 Credit Hours.**

Learn to use mainstream simulation packages to support building design in domains of Energy, CFD, Lighting, Ventilation.

**ARCH 6242. Building Physics Modeling. 3 Credit Hours.**

Survey of basic thermo-fluid energy and mass flows in buildings, the interrelations between these flows, physical system modeling, and implications for building performance goals.

**ARCH 6243. Evidence-Based Design. 3 Credit Hours.**

Fundamental concepts, research methods and case studies of evidence-based design.

**ARCH 6251. Building Structures I. 3 Credit Hours.**

Introduction to design and analysis of building structures and ordering of structural systems to resist gravity and lateral loads. Emphasis on wood structures.

**ARCH 6252. Building Structures II. 3 Credit Hours.**

Introduction to structural design and framing systems for steel and concrete with consideration of lateral loads and lateral load resisting systems.

**ARCH 6268. Advanced Architecture, Culture and Behavior: Theories, Models and Methods. 3 Credit Hours.**

Theories, models, methods and case studies linking architectural design to culture and behavior.

**ARCH 6271. Healthcare Design of the Future. 3 Credit Hours.**

Introduction to research-based approaches to integrated healthcare design innovation.

**ARCH 6303. Urban Design: Policy and Implementation. 3 Credit Hours.**

Introduction to urban design policy and practice across a range of scales including planning, architecture, landscape architecture, civil engineering, public policy and administration. Credit not allowed for both ARCH 6303 and CP 6834.

**ARCH 6305. Near and Far: Cross-Cultural Practices in Art, Architecture, and Design. 3 Credit Hours.**

This course will address the material culture of globalization and cultural diffusion, emphasizing the multicultural registers of work produced between and across geographical, cultural, and disciplinary boundaries.

**ARCH 6312. Ecological Practice: History, Polemics, and Poetics. 3 Credit Hours.**

An historically and culturally grounded examination of the ecological perspective. Critical and productive engagement with green guidelines, laws, products, design briefs, and procedures.

**ARCH 6313. Traditions of Architectural Practice. 3 Credit Hours.**

Critical examination of architectural practice. Cultural derivation and technological transformation of various conventions of representation, construction, and design; speculations about future paradigms of architectural practice.

**ARCH 6315. Practice of Architecture I. 3 Credit Hours.**

Architectural practice from historical, sociological, and ethical perspectives with focus on professional leadership, practice management, and entrepreneurship.

**ARCH 6316. Practice of Architecture 2. 3 Credit Hours.**

Methods of architectural project delivery and project management. Fundamentals of building economics. Emergent models of research-driven architectural practice.

**ARCH 6350. Theory of Architecture I. 3 Credit Hours.**

Architectural program. Building types from functional and morphological perspectives. Design responses to building programs in the context of culture and politics. Architectural responses to site.

**ARCH 6352. Theory of Architecture 2. 3 Credit Hours.**

Approaches to architectural form, style, and tectonics from aesthetic, social, and technological perspectives. Instrumental and symbolic uses of architectural media in design and building production.

**ARCH 6404. Electronic Media: From Technique to Culture. 3 Credit Hours.**

The influence of electronic media upon representation and invention in architecture.

**ARCH 6412. Dwelling: Histories and Theories of Environmental Behavior and Design. 3 Credit Hours.**

Explores scholarship and case studies from multiple disciplines relating to issues of place, community identity and memory, culturally constructed meaning, and appropriate use of resources.

**ARCH 6417. Building Furniture/Furnishing Buildings. 3 Credit Hours.**

A course that focuses on schematic design and design development of furniture. The emphasis of this course is on conceptual and material/structural clarity.

**ARCH 6420. Design Computing. 3 Credit Hours.**

Survey of computer representations and modeling techniques, including pixel-based images, vector-based drawing systems, and surface and solid modeling; use of applications built upon these systems. Credit not allowed for both ARCH 6420 and ARCH 4420.

**ARCH 6426. 3D Modeling in Architecture. 3 Credit Hours.**

Construction of 3D computer models of architectural structures. Topics include: geometry creation, light and materials property, rendering, data exchange, and basic animation.

**ARCH 6427. Advanced Modeling and Animation in Architecture. 3 Credit Hours.**

Advanced computer modeling of architectural form. Topics include: parametric design, parametric materials, special effects, object libraries, animation, and video production.

**ARCH 6428. Formal Systems in Design, Art, and Architecture. 3 Credit Hours.**

This course will examine generative descriptions of languages of design, art, and architecture and explore various computational approaches to design with a special emphasis on shape grammars.

**ARCH 6447. Urban Ecological Design. 3 Credit Hours.**

This course engages the contemporary issues of urban ecology and its articulation to design. It explores relationship between urban forms and flows of ecology, energy, material, water and information. Credit not allowed for both ARCH 6447 and CP 6836.

**ARCH 6470. Architecture Modeling & Media I. 3 Credit Hours.**

Introductory approaches to two and three dimensional modeling and representation in architecture using both manual and digital media and techniques.

**ARCH 6472. Architecture Modeling & Media 2. 3 Credit Hours.**

Intermediate approaches to two dimensional modeling and representation in architecture using both manual and digital media and techniques.

**ARCH 6474. Architecture Modeling & Media 3. 3 Credit Hours.**

Advanced approaches to two and three dimensional modeling and representation in architecture using both manual and digital media and techniques.

**ARCH 6501. Analog and Digital Design Computation. 3 Credit Hours.**

Analog and digital approaches in design computation. Visual and symbolic representations. Algorithmic and computational tools. History and logic.

**ARCH 6502. Scripting for Architecture and Design. 3 Credit Hours.**

Learning the concepts and application of scripting languages in architecture and form generation.

**ARCH 6503. Building Information Modeling - Concepts and Applications. 3 Credit Hours.**

Survey of Building Information Modeling - its technologies exploration of new technologies to be applied and new procedures of project execution.

**ARCH 6504. Digital Design and Fabrication Workshop. 6 Credit Hours.**

Parametric design, planning and programming. Develop design for fabrication in specific materials including wood, plastic, metals, concrete, or composite.

**ARCH 6505. Geometric Constructs in Digital Space. 3 Credit Hours.**

Geometric surface and solid construction fundamentals using parametric modeling tools; use of sketching workbenches.

**ARCH 6506. Construction Materials, Systems, and Fabrications. 3 Credit Hours.**

Physical and constructional properties of building materials. Fabrication techniques for building components. Digital representations of materials, components, and fabrication processes.

**ARCH 6507. Parametric Modeling and Design. 3 Credit Hours.**

Design using parametric modeling tools; use of sketching workbenches and development of custom parametric models.

**ARCH 6508. Shape Grammars. 3 Credit Hours.**

Shape grammars are a powerful formal system for the generative description, interpretation and evaluation of designs.

**ARCH 6509. Computation, Creativity and Design Cognition. 3 Credit Hours.**

This course investigates computational methods, models tools that support design creativity and cognition. Credit not allowed for both ARCH 6509 and ID 6509.

**ARCH 6511. Robotic Fabrication. 3 Credit Hours.**

Introduction to robotics in design and construction. Kinematics and programming of 6-axis industrial robots. Use of robotics in building fabrication and assembly operations.

**ARCH 6512. Research Colloquium. 3 Credit Hours.**

Introduces students to the processes of developing a topic of inquiry and delivering projects in architectural design, and to prepare students for the development of a final MS research project to be delivered as a final deliverable of the MS program during the subsequent semester.

**ARCH 6513. Building Systems & Data. 3 Credit Hours.**

A focus on the overlap between AEC (Architecture, Engineering, Construction) processes and the building models and data that support them.

**ARCH 6531. Environmental Systems I. 3 Credit Hours.**

Basics of heat, light, and sound applied to buildings. Thermal loading, passive thermal control, thermal comfort, climate, passive solar strategies, light and daylighting, acoustics.



**ARCH 6731. Zero Energy House. 3 Credit Hours.**

Design, analysis, operation, construction, and cost feasibility of so-called "zero energy" houses. Credit not allowed for both ARCH 6731 and BC 6731.

**ARCH 6XXX. Architecture Elective. 1-21 Credit Hours.****ARCH 7000. Master's Thesis. 1-21 Credit Hours.****ARCH 7012. Urban Design Studio I. 6 Credit Hours.**

Urban design laboratory problems focus on analysis, design, and implementation strategies for contemporary urban problems.

**ARCH 7013. Urban Design Studio 1. 6 Credit Hours.**

Urban design studio problems focusing on analysis, design, and implementation strategies for contemporary urban problems.

**ARCH 7014. Urban Design Studio 2. 6 Credit Hours.**

Advanced urban design problems emphasizing the application of contemporary urban design research and multidisciplinary collaboration into the design process.

**ARCH 7015. Urban Design Studio 3. 6 Credit Hours.**

Advanced urban design problems emphasizing the application of contemporary urban design research and multidisciplinary collaboration into the design process.

**ARCH 7030. Media + Modeling 3. 3 Credit Hours.**

Advanced approaches to two and three dimensional modeling and representation in architecture using both manual and digital media and techniques.

**ARCH 7042. Urban Design Workshop. 3 Credit Hours.**

Advanced problems in urban design and development focusing on the Atlanta region. Integration of urban design theory and methods, economic development, political registration, and communication.

**ARCH 7043. Urban Design Workshop. 4 Credit Hours.**

Advanced problems in urban design and development focusing on the Atlanta region. Integration of urban design theory and methods, economic development, political registration, and communication.

**ARCH 7044. Urban Design Workshop. 5 Credit Hours.**

Advanced problems in urban design and development focusing on the Atlanta region. Integration of urban design theory and methods, economic development, political registration, and communication.

**ARCH 7045. Urban Design Workshop. 6 Credit Hours.**

Advanced problems in urban design and development focusing on the Atlanta region. Integration of urban design theory and methods, economic development, political registration, and communication.

**ARCH 7060. Critical Positions in Architectural Design. 3 Credit Hours.**

Advanced topics in the theory of architectural production focusing upon contemporary ethical dilemmas and the development of critical positions of design.

**ARCH 7101. Integrated Building Systems I. 3 Credit Hours.**

Examines approaches to building design and systems integration. Introduces resiliency as a means of integrating environmental assessment for energy efficiency and design for natural forces.

**ARCH 7102. Integrated Building Systems II. 3 Credit Hours.**

Approaches building design and systems integration through the making of construction drawings and specifications of metal frame buildings, including structural steel calculations.

**ARCH 7103. Integrated Building Systems III. 3 Credit Hours.**

Approaches building design and systems integration via the design and detailing of a concrete frame building, including engineering of the concrete frame and the mechanical systems.

**ARCH 7151. History of Urban Form. 3 Credit Hours.**

History of the city as a collective work of architecture with an emphasis on the city's physical form and space.

**ARCH 7252. Computational Building Simulation. 3 Credit Hours.**

Students learn how to develop their own extensible Building Simulation software using Finite Element discretization in Matlab and apply it to research problem.

**ARCH 7350. Foundations of Architectural Theory. 3 Credit Hours.**

Reviews thought and attitudes guiding architecture since the modern movement, their philosophical sources, and their relationship with architectural production. Defines architectural theory.

**ARCH 7471. Cognitive Function of Visual Design in Architecture. 3 Credit Hours.**

Presents fundamentals of imaginative and cognitive functioning of visual design in buildings, and develops inter-disciplinary approaches to investigating visual form of buildings.

**ARCH 7625. Theories of Inquiry. 3 Credit Hours.**

Introduction to research paradigms and their assumptions. The formulation of questions and frameworks of description, representation, analysis, interpretation, and data control.

**ARCH 8100. Introduction to Architectural Research 1. 3 Credit Hours.**

Fundamental issues and methods across specializations in architectural research modules on causation and simulation.

**ARCH 8101. Introduction to Architectural Research 2. 3 Credit Hours.**

Fundamental issues and methods across specializations in architectural research; modules on representation and interpretation.

**ARCH 8102. Introduction to Architectural Research 3. 3 Credit Hours.**

Fundamental issues and methods across specializations in architectural research; modules on historiography and epistemology and on theories of design.

**ARCH 8630. Architecture Space & Culture. 3 Credit Hours.**

Accounts of the social functions of architectural space and associated design choices, across a variety of building types and scales of environmental design.

**ARCH 8685. Building Simulation Seminar. 3 Credit Hours.**

Numerical simulation of performance characteristics of whole buildings. Review of the finite element method for uniform treatment of transport phenomena in different building technology domains.

**ARCH 8799. Qualifying Paper. 1-21 Credit Hours.**

Preparation for Qualifying Paper in Doctorial Program in Architecture.

- ARCH 8801. Special Topics. 1 Credit Hour.
- ARCH 8802. Special Topics. 2 Credit Hours.
- ARCH 8803. Special Topics. 3 Credit Hours.
- ARCH 8804. Special Topics. 4 Credit Hours.
- ARCH 8805. Special Topics. 5 Credit Hours.
- ARCH 8806. Special Topics. 6 Credit Hours.
- ARCH 8811. Special Topics: Architectural Design. 1 Credit Hour.
- ARCH 8812. Special Topics: Architectural Design. 2 Credit Hours.
- ARCH 8813. Special Topics: Architectural Design. 3 Credit Hours.
- ARCH 8814. Special Topics: Architectural Design. 4 Credit Hours.
- ARCH 8815. Special Topics: Architectural Design. 5 Credit Hours.
- ARCH 8821. Special Topics: History, Theory, and Criticism. 3 Credit Hours.
- ARCH 8822. Special Topics: History, Theory, and Criticism. 3 Credit Hours.
- ARCH 8823. Special Topics: History, Theory, and Criticism. 3 Credit Hours.
- ARCH 8831. Special Topics: Architectural Technology. 3 Credit Hours.
- ARCH 8832. Special Topics: Architectural Technology. 3 Credit Hours.
- ARCH 8833. Special Topics: Architectural Technology. 3 Credit Hours.
- ARCH 8841. Special Topics: Professional and Social Practice. 3 Credit Hours.
- ARCH 8842. Special Topics: Professional and Social Practice. 3 Credit Hours.
- ARCH 8843. Special Topics: Professional and Social Practice. 3 Credit Hours.
- ARCH 8851. Special Topics: Visual Arts and Design Computing. 1 Credit Hour.
- ARCH 8852. Special Topics: Visual Arts and Design Computing. 2 Credit Hours.
- ARCH 8853. Special Topics: Visual Arts and Design Computing. 3 Credit Hours.
- ARCH 8855. Special Topics. 5 Credit Hours.  
Special topics in design.
- ARCH 8856. Special Topics. 6 Credit Hours.  
Special topics in advanced design.
- ARCH 8863. Special Topics. 3 Credit Hours.  
Topics of current interest in architecture.
- ARCH 8866. Special Topics. 6 Credit Hours.  
Special topics in Design & Research studio.
- ARCH 8873. Special Topics. 3 Credit Hours.
- ARCH 8901. Special Problems. 1-21 Credit Hours.
- ARCH 8902. Special Problems. 1-21 Credit Hours.
- ARCH 8903. Special Problems. 1-21 Credit Hours.
- ARCH 8911. Special Problems: Architectural Design. 1-21 Credit Hours.
- ARCH 8912. Special Problems: Architectural Design. 1-21 Credit Hours.
- ARCH 8913. Special Problems: Architectural Design. 1-21 Credit Hours.
- ARCH 8914. Special Problems: Architectural Design. 1-21 Credit Hours.
- ARCH 8915. Special Problems: Architectural Design. 1-21 Credit Hours.
- ARCH 8921. Special Problems: History, Theory, and Criticism. 1-21 Credit Hours.
- ARCH 8922. Special Problems: History, Theory, and Criticism. 1-21 Credit Hours.
- ARCH 8923. Special Problems: History, Theory, and Criticism. 1-21 Credit Hours.
- ARCH 8924. Special Problems: History, Theory, and Criticism. 1-21 Credit Hours.
- ARCH 8925. Special Problems: History, Theory, and Criticism. 1-21 Credit Hours.
- ARCH 8931. Special Problems: Architectural Technology. 1-21 Credit Hours.
- ARCH 8932. Special Problems: Architectural Technology. 1-21 Credit Hours.
- ARCH 8933. Special Problems: Architectural Technology. 1-21 Credit Hours.
- ARCH 8941. Special Problems: Professional and Social Practice. 1-21 Credit Hours.
- ARCH 8942. Special Problems: Professional and Social Practice. 1-21 Credit Hours.
- ARCH 8943. Special Problems: Professional and Social Practice. 1-21 Credit Hours.
- ARCH 8951. Special Problems: Visual Arts and Design Computing. 1-21 Credit Hours.
- ARCH 8952. Special Problems: Visual Arts and Design Computing. 1-21 Credit Hours.
- ARCH 8953. Special Problems: Visual Arts and Design Computing. 1-21 Credit Hours.
- ARCH 8996. Prep Doctoral Dissertation. 1-21 Credit Hours.  
Preparation for Qualifying Paper in Doctorial Program in Architecture.
- ARCH 8997. Teaching Assistantship. 1-9 Credit Hours.  
For graduate students holding graduate teaching assistantships.
- ARCH 8998. Research Assistantship. 1-9 Credit Hours.  
For graduate students holding graduate research assistantships.
- ARCH 8999. Preparation for Doctoral Dissertation. 1-21 Credit Hours.
- ARCH 9000. Doctoral Thesis. 1-21 Credit Hours.