

# ARCHITECTURE (ARCH)

## Professional Courses

### ARCH 500 Architecture Core Studio I: Project

**Crosslisted with:** ARCH 800

**Prerequisites:** Admission into the 3 Year Master of Architecture program or permission.

**Description:** Introduction to architectural design through spatial and formal projects using representational techniques. A series of collaborative and individual projects introduce design process, iteration, tectonics, representation, and structure as fundamental aspects of design that relate architecture to the human subject.

**Credit Hours:** 5

**Max credits per semester:** 5

**Max credits per degree:** 5

**Prerequisite for:** ARCH 501, ARCH 801

### ARCH 501 Architecture Core Studio II: Incorporate

**Crosslisted with:** ARCH 801

**Prerequisites:** ARCH 500

**Description:** The studio extends the methodologies from the preceding studio to include outside influences such as site, urbanism, program, culture, and materiality. Projects increase in scope and complexity and integrate a wide range of inputs through research and analysis.

**Credit Hours:** 5

**Max credits per semester:** 5

**Max credits per degree:** 5

### ARCH 510 Advanced Architectural Design I

**Crosslisted with:** ARCH 810

**Prerequisites:** Admission into the Master of Architecture program.

**Description:** Vertically integrated 5th and 6th year studio.

**Credit Hours:** 5

**Max credits per semester:** 5

**Max credits per degree:** 5

**Offered:** FALL

### ARCH 511 Advanced Architectural Design II

**Crosslisted with:** ARCH 811

**Prerequisites:** Admission into the Master of Architecture program.

**Description:** Vertically integrated 5th and 6th year studio.

**Credit Hours:** 5

**Max credits per semester:** 5

**Max credits per degree:** 5

**Offered:** FALL

### ARCH 518 Fabrication and Construction Team

**Crosslisted with:** ARCH 418, ARCH 818

**Prerequisites:** Permission.

**Description:** The shifting relationship between conceiving and making through hands-on, collaborative experience with actual design-construct projects in which students play a decisive role in all aspects of research, design and construction of the commission.

**Credit Hours:** 1-6

**Min credits per semester:** 1

**Max credits per semester:** 6

**Max credits per degree:** 6

### ARCH 526 Digital Fabrication

**Crosslisted with:** ARCH 826

**Prerequisites:** Permission.

**Description:** Examination of the theory and application of the file-to-factory design process. Exploratory case study projects include small fabricated architectural models of forms, surface and structure.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Course and Laboratory Fee:** \$100

### ARCH 527 Parametric Modeling for Design

**Prerequisites:** ARCH 527

**Description:** Introduction to parametric and related basic computational concepts for design. Explorations in specific parametric modeling software techniques.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

### ARCH 528 BIM: Analysis

**Crosslisted with:** ARCH 428, ARCH 828

**Prerequisites:** ARCH 222

**Description:** Introduction to the principles and techniques of "GiM" (geometry information modeling) and analysis. Explores how "GiM" is essential to the concept of "BiM" (building information modeling) and how it is used in conjunction with different types of analytical modeling.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Offered:** SPRING

### ARCH 529 BIM: Interoperability

**Crosslisted with:** ARCH 429, ARCH 829

**Prerequisites:** ARCH 222

**Description:** Cover the basics of data and interoperability, including the definitions of key terms and an overview of the various technologies to facilitate data exchange between different systems and platforms.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Offered:** SPRING

### ARCH 532A Seismic Design for Architects

**Crosslisted with:** ARCH 832A

**Prerequisites:** Permission.

**Description:** Introduction to basic seismic design principles. Making critical decisions concerning the overall performance of a building during an earthquake.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

### ARCH 540 Details

**Crosslisted with:** ARCH 440, ARCH 840

**Prerequisites:** ARCH 341 or permission.

**Description:** Focused study of architectural theory and problems of practice and physicality examined in the context of the architectural detail.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**ARCH 543 Architectural Representations: Theory + Application**

**Crosslisted with:** ARCH 443, ARCH 843

**Prerequisites:** ARCH 311 or by Permission.

**Description:** Explores architectural practice relative to representational communication both internally within the design process as well as with an external audience. This course also investigates the impact of tangential techniques appropriated to the practice. Readings, discussions, and projects will focus on issues of perception and projection relative to these systems and how they impact the practice of architecture in a contemporary context. Course structure is both a theory seminar addressing the position of representation through readings, as well as a laboratory for investigating their application.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**ARCH 544 Design Thesis Preparation Seminar**

**Crosslisted with:** ARCH 844

**Prerequisites:** ARCH 489, ARCH 341 or permission

**Notes:** Required preparation for the Design Thesis track (ARCH 613)

**Description:** Required preparation for the Design Thesis option (ARCH 613). Focused workshop for conceiving and articulating current architectural problems to frame the argumentation and reasoning towards a design thesis proposal.

**Credit Hours:** 2

**Max credits per semester:** 2

**Max credits per degree:** 2

**Offered:** FALL

**ARCH 547 African Architecture**

**Crosslisted with:** ARCH 347, AHIS 366

**Prerequisites:** Sophomore standing or above.

**Description:** Survey of the architectural traditions of the African continent, from pre-historic times to the present day. Buildings-famous and typical-theories, and approaches that are appropriate to the specific cultural environments.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**ARCH 558 The Changing Workplace**

**Crosslisted with:** ARCH 458, ARCH 858, IDES 458, IDES 858

**Description:** Survey and integration of theory, methods, research and findings from the social, behavioral, and managerial sciences as they relate to the design of work environments. Factors effecting change in the contemporary workplace.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**ARCH 561 Urbanism**

**Crosslisted with:** ARCH 461, LARC 461, ARCH 861

**Prerequisites:** Admission to a professional program in the College of Architecture

**Notes:** Letter grade only.

**Description:** Issues of contemporary urbanism and the processes of urban design. Experiential nature of cities, role of public policy, ideology, genesis and development of urban form and space.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Prerequisite for:** ARCH 562, LARC 462

**ARCH 562 Urbanism and the Catalysts of Change**

**Crosslisted with:** LARC 462

**Prerequisites:** Admission into the graduate portion of the professional program in Architecture or for undergraduate Landscape Architecture students; LARC 461

**Description:** Exploration into the relationship between the evolution of urbanism and the cultural, economic and scientific advances made by civilization.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Offered:** FALL/SPR

**ARCH 563 Project Territory**

**Crosslisted with:** ARCH 863

**Prerequisites:** Admission into the graduate portion of the professional program in architecture

**Description:** Comprehensive review and examination of territorial relationships between spatial development, engineering, ecology, and architecture. Focuses on emerging factors affecting urban, suburban, and rural communities and spatial configurations beyond the binary of city and country.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**ARCH 565 Configurational Formations**

**Crosslisted with:** ARCH 865

**Prerequisites:** Admissions to the professional architecture program, or permission.

**Description:** Investigation of evolutions in typological reasoning leading up to and including contemporary configurational theory. Use of graphic modeling to research, dissect, compare and discuss select topics and case studies.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Offered:** FALL

**ARCH 566 Community Design Center**

**Crosslisted with:** ARCH 466, ARCH 866

**Prerequisites:** Permission.

**Description:** Community-oriented design studio. The design process and its relationship to the environmental development process.

**Credit Hours:** 1-6

**Min credits per semester:** 1

**Max credits per semester:** 6

**Max credits per degree:** 6

**ARCH 567 Planting Design**

**Crosslisted with:** ARCH 467, ARCH 867, LARC 467, PLAS 467

**Description:** Processes, principles, and elements using plant materials as a key component of landscapes designed for human intent. Focus is on a systems approach, combining environmental attributes with functional needs to create aesthetic, functional, and sustainable landscapes for parks, commercial property, and residences using a combination of site visits and online resources.

**Credit Hours:** 4

**Max credits per semester:** 4

**Max credits per degree:** 4

**Offered:** FALL

**Course and Laboratory Fee:** \$25

**ARCH 581 Women in Design**

**Crosslisted with:** ARCH 481, ARCH 881, IDES 481

**Prerequisites:** Admission to the BSD program.

**Description:** Intensive study of particular historical and contemporary contributions by women to the design professions related to the built environment. Evaluation of design work by and about women seen in their aesthetic and intellectual context. Examinations of the roles and values of women in design and their impact on the assumptions and issues currently held by the profession.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**ARCH 589 Design Research**

**Crosslisted with:** ARCH 489, ARCH 889, IDES 489, IDES 889, LARC 489

**Prerequisites:** Admission to a professional program in the College of Architecture

**Description:** Comprehensive overview of the complementary and contributory relationship between research and design, with a particular emphasis on design research as a projective activity.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Offered:** FALL

**ARCH 592 Selected Topics in Architecture**

**Crosslisted with:** ARCH 492, ARCH 492H, ARCH 692, ARCH 892

**Prerequisites:** Permission.

**Description:** Group investigation of a topic in architecture originated by the instructor.

**Credit Hours:** 1-6

**Min credits per semester:** 1

**Max credits per semester:** 6

**Max credits per degree:** 24

**ARCH 596 Problems in Architecture**

**Crosslisted with:** ARCH 496, ARCH 496H, ARCH 896

**Prerequisites:** Permission.

**Description:** Individual investigation of a topic in architecture.

**Credit Hours:** 1-6

**Min credits per semester:** 1

**Max credits per semester:** 6

**Max credits per degree:** 9

**ARCH 610 Advanced Architectural Design III**

**Crosslisted with:** ARCH 910

**Prerequisites:** Admission into the Master of Architecture program.

**Description:** Vertically integrated 5th and 6th year studio.

**Credit Hours:** 5

**Max credits per semester:** 5

**Max credits per degree:** 5

**Offered:** FALL

**ARCH 611 Advanced Architectural Design IV**

**Crosslisted with:** ARCH 911

**Prerequisites:** Admission into the Master of Architecture program.

**Description:** Vertically integrated 5th and 6th year studio.

**Credit Hours:** 5

**Max credits per semester:** 5

**Max credits per degree:** 5

**Offered:** SPRING

**ARCH 613 Architectural Design Thesis I**

**Crosslisted with:** ARCH 913

**Prerequisites:** ARCH 510, ARCH 511 and ARCH 544. Agreement with a faculty mentor.

**Description:** A design-thesis project initiated in ARCH 544 and developed in conjunction with a faculty mentor. Visual and written studies addressing current issues relevant to the discipline of architecture culminating in a public presentation and written documentation.

**Credit Hours:** 5

**Max credits per semester:** 5

**Max credits per degree:** 5

**Offered:** SPRING

**ARCH 617 Product Design**

**Crosslisted with:** ARCH 417, ARCH 817, IDES 417, IDES 817, LARC 417

**Prerequisites:** IDES 201, IDES 301 (or DSGN 421, 422 & 423), IDES 416

**Description:** Generate a design from conception to a finished product that emphasizes the awareness of the human and the environment in the creation of product design solutions.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Offered:** SPRING

**Course and Laboratory Fee:** \$100

**ARCH 680 Professional Practice**

**Crosslisted with:** ARCH 880

**Description:** Orientation to professional practice through a study of the architects' and the contractors' relationships to society, specific clients, their professions, and other collaborators in the environmental design and construction fields. Ethics; professional communication and responsibility; professional organizations; office management; construction management; legal and contractual relationships; professional registration; and owner-architect-contractor relationships.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**ARCH 691 Seminar in Architecture**

**Crosslisted with:** ARCH 991

**Prerequisites:** ARCH 550/850 and permission

**Description:** Contemporary problems in design and practice.

**Credit Hours:** 2-3

**Min credits per semester:** 2

**Max credits per semester:** 3

**Max credits per degree:** 3

**ARCH 692 Selected Topics in Architecture**

**Crosslisted with:** ARCH 492, ARCH 492H, ARCH 592, ARCH 892

**Prerequisites:** Permission.

**Description:** Group investigation of a topic in architecture originated by the instructor.

**Credit Hours:** 1-6

**Min credits per semester:** 1

**Max credits per semester:** 6

**Max credits per degree:** 24

**ARCH 695 Internship****Crosslisted with:** ARCH 895**Prerequisites:** ARCH 550/850 and permission**Description:** Exposure to the architectural profession through office application including job promotion, client relations, data collection, design, production drawings, estimating, specifications, bid documents, and quality control.**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 3**ARCH 699 Masters Thesis****Crosslisted with:** ARCH 899**Prerequisites:** ARCH 896; any two of ARCH 511/911, 612/812, or 613/913; admission to masters degree program and permission of major adviser**Description:** Projects to place special emphasis upon a major field of interest. Design problem or written thesis.**Credit Hours:** 1-10**Min credits per semester:** 1**Max credits per semester:** 10**Max credits per degree:** 10

## Graduate Courses

**ARCH 800 Architecture Core Studio I: Project****Crosslisted with:** ARCH 500**Prerequisites:** Admission into the 3 Year Master of Architecture program or permission.**Description:** Introduction to architectural design through spatial and formal projects using representational techniques. A series of collaborative and individual projects introduce design process, iteration, tectonics, representation, and structure as fundamental aspects of design that relate architecture to the human subject.**Credit Hours:** 5**Max credits per semester:** 5**Max credits per degree:** 5**Grading Option:** Graded**Prerequisite for:** ARCH 501, ARCH 801**ARCH 801 Architecture Core Studio II: Incorporate****Crosslisted with:** ARCH 501**Prerequisites:** ARCH 800**Description:** The studio extends the methodologies from the preceding studio to include outside influences such as site, urbanism, program, culture, and materiality. Projects increase in scope and complexity and integrate a wide range of inputs through research and analysis.**Credit Hours:** 5**Max credits per semester:** 5**Max credits per degree:** 5**Grading Option:** Graded**ARCH 810 Advanced Architectural Design I****Crosslisted with:** ARCH 510**Prerequisites:** Admission into the Master of Architecture program.**Description:** Vertically integrated 5th and 6th year studio.**Credit Hours:** 5**Max credits per semester:** 5**Max credits per degree:** 5**Grading Option:** Graded**Offered:** FALL**ARCH 811 Advanced Architectural Design II****Crosslisted with:** ARCH 511**Prerequisites:** Admission into the Master of Architecture program.**Description:** Vertically integrated 5th and 6th year studio.**Credit Hours:** 5**Max credits per semester:** 5**Max credits per degree:** 5**Grading Option:** Graded**Offered:** FALL**ARCH 815 Architectural Design: Terminal Project Studio I****Prerequisites:** MArch/MCRP dual degree candidate. Coreq: CRPL 990.**Notes:** Submission of a statement of intent and a contract with an architecture faculty mentor is required.**Description:** Advanced architectural design. Initial investigation into the parameters and agenda leading to a proposal for the terminal studio project.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded**ARCH 816 Architectural Design: Terminal Project Studio II****Prerequisites:** Permission.**Description:** Detailed formal design development of the terminal studio project established in ARCH 815 and CRPL 990.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded**ARCH 817 Product Design****Crosslisted with:** ARCH 417, ARCH 617, IDES 417, IDES 817, LARC 417**Prerequisites:** IDES 201, IDES 301 (or DSGN 421, 422 & 423), IDES 416**Description:** Generate a design from conception to a finished product that emphasizes the awareness of the human and the environment in the creation of product design solutions.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded**Offered:** SPRING**Course and Laboratory Fee:** \$100**ARCH 818 Fabrication and Construction Team****Crosslisted with:** ARCH 418, ARCH 518**Prerequisites:** Permission.**Description:** The shifting relationship between conceiving and making through hands-on, collaborative experience with actual design-construct projects in which students play a decisive role in all aspects of research, design and construction of the commission.**Credit Hours:** 1-6**Min credits per semester:** 1**Max credits per semester:** 6**Max credits per degree:** 6**Grading Option:** Graded

### ARCH 826 Digital Fabrication

**Crosslisted with:** ARCH 526

**Prerequisites:** Permission.

**Description:** Examination of the theory and application of the file-to-factory design process. Exploratory case study projects include small fabricated architectural models of forms, surface and structure.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**Course and Laboratory Fee:** \$100

### ARCH 828 BIM: Analysis

**Crosslisted with:** ARCH 428, ARCH 528

**Prerequisites:** ARCH 222

**Description:** Introduction to the principles and techniques of "GiM" (geometry information modeling) and analysis. Explores how "GiM" is essential to the concept of "BiM" (building information modeling) and how it is used in conjunction with different types of analytical modeling.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Graded

**Offered:** SPRING

### ARCH 829 BIM: Interoperability

**Crosslisted with:** ARCH 429, ARCH 529

**Prerequisites:** ARCH 222

**Description:** Cover the basics of data and interoperability, including the definitions of key terms and an overview of the various technologies to facilitate data exchange between different systems and platforms.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Graded

**Offered:** SPRING

### ARCH 832A Seismic Design for Architects

**Crosslisted with:** ARCH 532A

**Prerequisites:** Permission

**Description:** Introduction to basic seismic design principles. Making critical decisions concerning the overall performance of a building during an earthquake.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Graded

### ARCH 840 Details

**Crosslisted with:** ARCH 440, ARCH 540

**Prerequisites:** ARCH 341 or permission.

**Description:** Focused study of architectural theory and problems of practice and physicality examined in the context of the architectural detail.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

### ARCH 843 Architectural Representations: Theory + Application

**Crosslisted with:** ARCH 443, ARCH 543

**Prerequisites:** ARCH 311 or by Permission.

**Description:** Explores architectural practice relative to representational communication both internally within the design process as well as with an external audience. This course also investigates the impact of tangential techniques appropriated to the practice. Readings, discussions, and projects will focus on issues of perception and projection relative to these systems and how they impact the practice of architecture in a contemporary context. Course structure is both a theory seminar addressing the position of representation through readings, as well as a laboratory for investigating their application.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

### ARCH 844 Design Thesis Preparation Seminar

**Crosslisted with:** ARCH 544

**Prerequisites:** ARCH 489, ARCH 341 or permission

**Notes:** Required preparation for the Design Thesis track (ARCH 613)

**Description:** Required preparation for the Design Thesis option (ARCH 613). Focused workshop for conceiving and articulating current architectural problems to frame the argumentation and reasoning towards a design thesis proposal.

**Credit Hours:** 2

**Max credits per semester:** 2

**Max credits per degree:** 2

**Grading Option:** Graded

**Offered:** FALL

### ARCH 858 The Changing Workplace

**Crosslisted with:** ARCH 458, ARCH 558, IDES 458, IDES 858

**Description:** Survey and integration of theory, methods, research and findings from the social, behavioral, and managerial sciences as they relate to the design of work environments. Factors effecting change in the contemporary workplace.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

### ARCH 861 Urbanism

**Crosslisted with:** ARCH 461, LARC 461, ARCH 561

**Prerequisites:** Admission to a professional program in the College of Architecture

**Notes:** Letter grade only.

**Description:** Issues of contemporary urbanism and the processes of urban design. Experiential nature of cities, role of public policy, ideology, genesis and development of urban form and space.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**Prerequisite for:** ARCH 562, LARC 462



**ARCH 863 Project Territory****Crosslisted with:** ARCH 563**Prerequisites:** Admission into the graduate portion of the professional program in architecture**Description:** Comprehensive review and examination of territorial relationships between spatial development, engineering, ecology, and architecture. Focuses on emerging factors affecting urban, suburban, and rural communities and spatial configurations beyond the binary of city and country.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded**ARCH 865 Configurational Formations****Crosslisted with:** ARCH 565**Prerequisites:** Admissions to the professional architecture program, or permission.**Description:** Investigation of evolutions in typological reasoning leading up to and including contemporary configurational theory. Use of graphic modeling to research, dissect, compare and discuss select topics and case studies.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded**Offered:** FALL**ARCH 866 Community Design Center****Crosslisted with:** ARCH 466, ARCH 566**Prerequisites:** Permission.**Description:** Community-oriented design studio. The design process and its relationship to the environmental development process.**Credit Hours:** 1-6**Min credits per semester:** 1**Max credits per semester:** 6**Max credits per degree:** 6**Grading Option:** Graded**ARCH 867 Planting Design****Crosslisted with:** ARCH 467, ARCH 567, LARC 467, PLAS 467**Description:** Processes, principles, and elements using plant materials as a key component of landscapes designed for human intent. Focus is on a systems approach, combining environmental attributes with functional needs to create aesthetic, functional, and sustainable landscapes for parks, commercial property, and residences using a combination of site visits and online resources.**Credit Hours:** 4**Max credits per semester:** 4**Max credits per degree:** 4**Grading Option:** Grade Pass/No Pass Option**Offered:** FALL**Course and Laboratory Fee:** \$25**ARCH 880 Professional Practice****Crosslisted with:** ARCH 680**Description:** Orientation to professional practice through a study of the architects' and the contractors' relationships to society, specific clients, their professions, and other collaborators in the environmental design and construction fields. Ethics; professional communication and responsibility; professional organizations; office management; construction management; legal and contractual relationships; professional registration; and owner-architect-contractor relationships.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded**ARCH 881 Women in Design****Crosslisted with:** ARCH 481, ARCH 581, IDES 481**Prerequisites:** Admission to the BSD program.**Description:** Intensive study of particular historical and contemporary contributions by women to the design professions related to the built environment. Evaluation of design work by and about women seen in their aesthetic and intellectual context. Examinations of the roles and values of women in design and their impact on the assumptions and issues currently held by the profession.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded**ARCH 885 Research Methods in Architecture and Interior Design****Crosslisted with:** IDES 885**Description:** Research methods employed by the diverse specializations within the disciplines of architecture and interior design. Methods which contribute to a theoretical and informational body of knowledge as well as those contributing directly to design application.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded**ARCH 889 Design Research****Crosslisted with:** ARCH 489, ARCH 589, IDES 489, IDES 889, LARC 489**Prerequisites:** Admission to a professional program in the College of Architecture.**Description:** Comprehensive overview of the complementary and contributory relationship between research and design, with a particular emphasis on design research as a projective activity.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded**Offered:** FALL**ARCH 892 Selected Topics in Architecture****Crosslisted with:** ARCH 492, ARCH 492H, ARCH 592, ARCH 692**Prerequisites:** Permission.**Description:** Group investigation of a topic in architecture originated by the instructor.**Credit Hours:** 1-6**Min credits per semester:** 1**Max credits per semester:** 6**Max credits per degree:** 24**Grading Option:** Graded

**ARCH 895 Internship****Crosslisted with:** ARCH 695**Prerequisites:** ARCH 550/850 and permission**Description:** Exposure to the architectural profession through office application including job promotion, client relations, data collection, design, production drawings, estimating, specifications, bid documents, and quality control.**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Pass No-Pass**ARCH 896 Problems in Architecture****Crosslisted with:** ARCH 496, ARCH 496H, ARCH 596**Prerequisites:** Permission.**Description:** Individual investigation of a topic in architecture.**Credit Hours:** 1-6**Min credits per semester:** 1**Max credits per semester:** 6**Max credits per degree:** 9**Grading Option:** Graded**ARCH 899 Masters Thesis****Crosslisted with:** ARCH 699**Prerequisites:** ARCH 896; any two of ARCH 511/911, 612/812, or 613/913; admission to masters degree program and permission of major adviser**Description:** Projects to place special emphasis upon a major field of interest. Design problem or written thesis.**Credit Hours:** 1-10**Min credits per semester:** 1**Max credits per semester:** 10**Max credits per degree:** 10**Grading Option:** Grade Pass/No Pass Option**ARCH 910 Advanced Architectural Design III****Crosslisted with:** ARCH 610**Prerequisites:** Admission into the Master of Architecture program.**Description:** Vertically integrated 5th and 6th year studio.**Credit Hours:** 5**Max credits per semester:** 5**Max credits per degree:** 5**Grading Option:** Graded**Offered:** FALL**ARCH 911 Advanced Architectural Design IV****Crosslisted with:** ARCH 611**Prerequisites:** Admission into the Master of Architecture program.**Description:** Vertically integrated 5th and 6th year studio.**Credit Hours:** 5**Max credits per semester:** 5**Max credits per degree:** 5**Grading Option:** Graded**Offered:** SPRING**ARCH 913 Architectural Design Thesis I****Crosslisted with:** ARCH 613**Prerequisites:** ARCH 510, ARCH 511 and ARCH 544. Agreement with a faculty mentor.**Description:** A design-thesis project initiated in ARCH 544 and developed in conjunction with a faculty mentor. Visual and written studies addressing current issues relevant to the discipline of architecture culminating in a public presentation and written documentation.**Credit Hours:** 5**Max credits per semester:** 5**Max credits per degree:** 5**Grading Option:** Graded**Offered:** SPRING**ARCH 991 Seminar in Architecture****Crosslisted with:** ARCH 691**Prerequisites:** ARCH 550/850 and permission**Description:** Contemporary problems in design and practice.**Credit Hours:** 2-3**Min credits per semester:** 2**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded