

School of Architecture

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The School of Architecture is dedicated to advancing the professions of architecture, interior design and landscape architecture. In keeping with the nature of these professions, the programs are taught in an interdisciplinary manner, taking full advantage of the resources and areas of expertise offered by each. The school offers three undergraduate degree programs, a Bachelor of Arts in Architecture and a Bachelor of Interior Design, and a Bachelor of Landscape Architecture, and six graduate degree programs, a Master of Architecture, a Master of Arts in Architecture, a Master of Interior Design, a Master of Arts in Interior Design, a Master of Landscape Architecture, and a Master of Arts in Landscape Architecture. (See Graduate Catalog for descriptions). The School maintains close ties with architecture, interior design and landscape architecture professionals. Professional advisory boards periodically review the curriculum to maintain program relevance.

Students applying to the School should plan for the financial aspects of a design education. This includes the costs of computers, software, travel and field trips, tools and equipment, and modeling supplies. Students must also have continuing access to a laptop computer through purchase, lease or other arrangements. For further information contact the School.

Freshman Admissions

Applicants to the School of Architecture must apply to both the University and to the School. Admission to the School of Architecture is competitive and is not automatically guaranteed. Admission will be offered on a space available basis to those applicants judged by the Faculty Admissions Committee to have the greatest potential for successful completion of the program.

Upper Division Admissions

Students already enrolled in the School of Architecture Lower Division who are seeking admission to the Upper

Division majors of the School of Architecture must have a cumulative GPA in all University work of 2.50, have completed a minimum of 60 credits, have completed the CLAST requirement, have completed design studio courses 1 through 4 with a grade of 'C' or better, and be judged by the Faculty Admissions Committee to have passed a competitive portfolio review. All applicants will have their credentials reviewed prior to full admission into the program. All applicants for admission to the Upper Division must submit a portfolio for review by the established deadlines. Only grades of 'C' or higher (2.0 on a 4.0 grading scale) are accepted for transfer of applicable prerequisite and core courses from other institutions. No grade below a 'C' will be accepted for graduation in required courses or required electives.

Native Student Admissions

FIU students who wish to change majors into Architecture, Interior Design, or Landscape Architecture should check individual program requirements and be advised by the School's undergraduate advisors well in advance of entry or transfer into a given program.

Transfer Student Admissions

Applicants transferring to FIU from community colleges or other universities must apply to both the University and to the School. Applicants to each major must meet the criteria set for Upper Division established for the major.

All applicants considering majors within the School of Architecture must meet the University's general admission requirements. The School's academic programs require specific prerequisite preparation prior to enrollment in certain courses. Students should check individual program requirements and be advised by the School well in advance of entry or transfer into a given program.

Application Deadlines

The School of Architecture admits students once a year. Once admitted, students begin their course of study in the fall semester. The deadline for submitting applications and portfolios for review is February 1. Notice of admission actions will normally be mailed by April 1.

Foreign Language Requirement

Students must meet the University Foreign Language Requirement. Refer to the appropriate sections in the Catalog's General Information for Admission, and Registration and Records.

Student Work

Student work submitted to the School in satisfaction of course or degree requirements, becomes the physical property of the School. However, students retain all rights to the intellectual property of such work. This work may include papers, drawings, models, and other materials. The School assumes no responsibility for safeguarding such materials. At its discretion, the School may retain, return, or discard such materials. The School will not normally discard the materials of current students without giving them a chance to reclaim them.

Students must petition the faculty of the School in writing for any deviation from the established policies. The faculty will decide on the cases on an individual basis.

Bachelor of Arts in Architecture

Degree Program Hours: 128

This pre-professional, four-year program provides the student with a solid base of multi-disciplinary knowledge in the field of architecture in preparation for the Master of Architecture professional degree. The program is characterized by a broad interdisciplinary framework, with emphasis placed upon five thematic areas; architectural design, history/theory, building and digital technologies, and ethics/professional practice. The goal of the educational experience is to develop sythetic thought and design processes using using creative problem solving and critical thinking. The program is committed to educating students to form independent design judgements grounded in the larger contexts of intellectual inquiry and the general pursuit of knowledge. The degree program consists of a two year Lower Division and a two year Upper Division. The Lower Division classes and studios focus on the interdisciplinary study of design, graphic communication, history/theory and technologies. The Upper Division focuses upon the comprehensive knowledge and professional skills required for entry to graduate education and a career in the discipline of architecture. With alumni and alumnae of the program continuing their studies at many of the most competitive graduate school programs in the country, the program remains committed to design excellence by providing its students an unsurpassed undergraduate pre-professional education in architectural studies.

Lower Division Preparation

Students should enroll in lower division design courses the first semester they attend FIU or their progress through the curriculum will be delayed. Seats in lower division design courses are limited and cannot be guaranteed to all students.

Undergraduates admitted with less than 36 semester hours, must meet all the University Lower Division core requirements.

Lower Division Common Core (31)

ARC 1001	Design Fundamentals	3
ARC 1131	Design Graphics 1	3
ARC 1132	Design Graphics 2	3
ARC 1301	Design Studio 1	4
ARC 1302	Design Studio 2	4
ARC 2303	Design Studio 3	4
ARC 2304	Design Studio 4	4
ARC 2701	History of Design from Antiquity to the Middle Ages	3
ARC 2702	History of Design from the Renaissance to the XIX Century	3

(H) May fulfill humanities requirements. Check with School Advisor.

Graduation Requirements

To graduate, students must complete all Core and General Education requirements for undergraduates as established by the university.

Bachelor of Arts in Architecture Upper Division students have the option of spending a semester abroad during their junior year at the architectural program in Genoa, Italy.

All Upper Division students must complete a minimum of 47 semester hours to graduate, which include the following core requirements or their equivalent:

Upper Division Program (62)

Major Requirements

ARC 3243	Design Theories	3
ARC 3xxx	Methods and Materials of Construction I	3
ARC 3463	Methods and Materials of Construction II	3
ARC 3580	Structures and Systems	3
ARC 4058	Computers Applications in Architecture	3
ARC 4324	Architectural Design 5	4
ARC 4335	Architectural Design 6	4
ARC 4342	Architectural Design 7	4
ARC 4343	Architectural Design 8	4
ARC 4553	Structural Design	4
ARC 4783	History of Design from the XIX Century to Present	3
	History or Theory Elective	3
BCN 4561C	Environmental Controls	3
BCN 4564	Environmental Controls in Bldgs. 2	3
HUM 4393	Human Concerns	3
	or	
PHI 3601	Ethics	3
	or	
PHI 3638	Contemp Ethical Issues	3

Upper Division Electives (12)

Selected with an advisor to meet degree requirements and program objectives

Bachelor of Interior Design

Degree Program Hours: 120

The four-year interior design program prepares students for a professional career in interior design. The studio based curriculum is focused on preparing well-rounded design professionals capable of making rigorous inquiries, informed judgements, and creative explorations in the complex problem solving situations common to interior design. Our graduates are instructed in the technical, managerial, and theoretical aspects of interior design. As our goal is to prepare students who can thoughtfully design successful commercial, residential and institutional interiors.

This exciting program has a strong emphasis on interior architecture and incorporates the recommendations and standards of our advisory board, and national professional organizations into the development of its curriculum. Our graduates possess the skills necessary to enter the interior design profession and are well prepared to think critically about the diverse roles of interior design and improving the quality of life for many different people. With alumni and alumnae of the program working in some of the leading interior design firms in the country, the program remains committed to design excellence by providing its students a comprehensive interior design education.

The degree program consists of a two year Lower Division and a two year Upper Division professional program. The Lower Division classes and studios focus on the interdisciplinary study of design, graphic communication, history/theory and technologies. The Upper Division focuses upon professional knowledge and skills required for entry to graduate education and a career in the discipline of interior design.

Professional Accreditation

The Interior Design Program at FIU is accredited by the Council for Interior Design Accreditation. In Florida, the state registration board for Architecture and Interior Design Accreditation professional degree program as a prerequisite for earning an interior design license.

Lower Division Preparation

Students should enroll in Lower Division design courses the first semester they attend FIU or their progress through the curriculum will be prolonged. Seats in Lower Division design courses are limited and can not be guaranteed to all students.

Undergraduates admitted with less than 36 semester hours must meet all of the University Lower Division Core Requirements.

Lower Division Common Core (40)

ARC 1301	Design Studio 1	4
ARC 1302	Design Studio 2	4
ARC 1131	Design Graphics I	3
ARC 1132	Design Graphics II	3
ARC 2701	History of Design from Antiquity to the Middle Ages	3
ARC 2702	History of Design from the Renaissance to the XIX Century	3
ARC 2303	Design Studio 3	4
ARC 2304	Design Studio 4	4
ARC 1461	Materials and Methods of Design	3
ARC 2580	Structures and Systems	3
ARC 4058	Computer Applications in Architecture	3
ARC 3243	Design Theories (H)	3

(H) May fulfill humanities requirement (check with School Advisor)

(M) Meets math requirement

Graduation Requirements

To graduate, students must complete all Core and General Education requirements for undergraduates as established by the university.

All Upper Division students must complete a minimum of 47 semester hours to graduate, which include the following Core requirements or their equivalent.

Upper Division Program (47 minimum)

IND 3215	Interior Design 5	4
IND 3216	Interior Design 6	4
IND 3130	History of Modern Interior Design	3
IND 3430C	Lighting Design	3
IND 3451C	Interior Design Construction Drawing 1	3
ARC 4270	Professional Office Practice	3
IND 3423C	Sources, Materials & Cost Estimating for Interiors	3
BCN 4561C	Environmental Controls I	3
IND 4225	Interior Design 7	4
IND 4226	Interior Design 8	4
IND 4943C	Programming	3
IND 4940	Interior Design Internship	3
IND 4455C	Advanced Construction Documents	3
IND 4311	Color Theory	3

(H) May fulfill humanities requirement (check with School Advisor)

Bachelor of Landscape Architecture

Degree Program Hours: 128

This professional, four-year program focuses in the development of the basic knowledge, skills, and abilities appropriate to the practice of landscape architecture, with a special emphasis on tropical and sub-tropical landscapes.

The program requires a total of 128 credit hours, with 67 credits in the Lower Division of the major and 61 credits in the Upper Division of the major. Discipline specific courses in the Lower Division of the program will be aligned with current undergraduate offerings within the School of Architecture programs in architecture and interior design. Interdisciplinary education is part of the mission and goal of the School of Architecture and desired structure in national standards for undergraduate education in all disciplines. Selected Upper Division courses will be offered as combined courses with the existing Graduate Program in Landscape Architecture. This interaction within the structure of the School provides a unique opportunity to strengthen the educational requirements of both the undergraduate and graduate students.

The Bachelor of Landscape Architecture degree will prepare graduates with the necessary knowledge, skills, and abilities to work in a broad range of environments.

Lower Division Preparation

Students should enroll in Lower Division design courses the first semester they attend FIU or their progress through the curriculum will be delayed. Seats in Lower Division courses are limited and can not be guaranteed to all students.

Undergraduate students admitted with less than 35 semester hours, must meet all the University Lower Division Core requirements.

Lower Division Common Core (34)

ARC 1131	Design Graphics I	3
ARC 1132	Design Graphics II	3
ARC 1301	Design Studio 1	4
ARC 1302	Design Studio 2	4
ARC 1461	Materials and Methods of Design	3
ARC 2303	Design Studio 3	4
ARC 2034	Design Studio 4	4
ARC 2580	Structures and Systems	3
ARC 2701	History of Design from Antiquity to Middle Ages	3
ARC 2702	History of Design from the Renaissance to the XIX Century	3

(H) May fulfill humanities requirements (check with School Advisor)

Graduation Requirements

To graduate, students must complete all Core and General Education requirements for undergraduates are established by the University.

All Upper Division students must complete a minimum of 47 semester hours to graduate, which include the following core requirements or their equivalent.

Upper Division Program (61)

LAA 3xxx	Computer Applications in Landscape Architecture 1	3
LAA 3712	History of Landscape Architecture	3
LAA 3602	South Florida Landscapes	3
LAA 3802	Landscape Development	3

LAA 3420	Landscape Construction	3
LAA 3xxx	Design 5	4
LAA 3xxx	Design 6	4
LAA 3xxx	Theory of Planting Design	3
LAA 4xxx	GIS Applications in Landscape Modeling	3
LAA 4375C	Computer Modeling	3
LAA 4xxx	Design 7	4
LAA 4xxx	Design 8	4
LAA 4210	Professional Office Practice	3
	Special Topics	6

Upper Division Electives (12)

School and Directed Electives	6
Open Electives	6

Selected with an advisor to meet degree requirements and program objectives.

Certificate in Landscape Architecture

The Certificate in Landscape Architecture offers students the ability to explore the design, planning, and management of regional landscapes. This program is developed to serve undergraduate students within the School of Architecture and in related fields such as Environmental Science and Biological Sciences who would like to seek to expand their academic experience with this area of specialized study. Focused on landscape design and development, the certificate seeks to extend students' skills, knowledge, and critical thinking about the design, making, and managing of existing and built landscape environments. Students who wish to earn the Certificate in Landscape Architecture should contact a School of Architecture undergraduate advisor in advance of pursuing this course of study.

Certificate Requirements

Students earning this certificate must accumulate 18 credit hours with a satisfactory grade from the following list of available courses.

Program Requirements

LAA 3212	Landscape Construction Documentation
LAA 3420	Landscape Construction
LAA 3430	Landscape Structures
LAA 3602	South Florida Landscapes
LAA 3712	History of Landscape
LAA 3802	Landscape Development

Certificate in History and Theory of Architecture

The School of Architecture offers a certificate in the history and theory of architecture to students currently enrolled in any of the school's programs at either the undergraduate or graduate level. In addition, motivated students in related areas of study throughout the university are permitted to pursue this certificate through written application to the Director of the Architecture Program.

The certificate involves course work in the history and theory of architecture. These courses examine the scope of ideas generated in the discipline in order to reveal and explain the production and reception of architecture. This certificate program focuses upon the historical and theoretical circumstances within the discipline and considers the discipline of architecture through its distinct modes of thought and production and in relation to other spheres of cultural production such as art, technology and

politics. By treating architecture as a historical and ideological production as well as a material production, the course work in this certificate program explores the important cultural forces that have conditioned the development and transformation of the discipline of architecture.

Certificate Requirements

The certificate requires 12 semester hours of course work in history and or theory. Courses must be selected from the following approved courses or by written petition to the Director of the Architecture Program.

Program Requirements

ARC 2701	History of Design from Antiquity to the Middle Ages
ARC 2072	History of Design from the Renaissance to the XIX Century
ARC 3243	Introduction to Design Theories
ARC 4030	Film and the Architecture of Modern Life
ARC 4227	Gender and Architecture
ARC 4730	Culture and Art in Italy
ARC 4752	Architectural History of the Americas
ARC 4754	Asian and African Architecture
ARC 4755	The Architecture of the City
ARC 4783	History of Design from the XIX Century to Present
ARC 4910	Research Methods
ARC 4799	The Architecture and Landscape Architecture of South Florida
ARC 4905	Independent Study

Course Descriptions

Definition of Prefixes

ARC-Architecture; IND-Interior Design; LAA-Landscape Architecture

F-Fall semester offering; S-Spring semester offering; SS-Summer semester offering.

ARC 1001 Introduction to Design (3). A practical introduction to the professional, technical, and aesthetic aspects of architecture, interior design, landscape architecture, and environmental and urban systems.

ARC 1131 Design Graphics I (3). An introduction to the development of Graphic skills for the conception and communication of design ideas. Subject areas emphasize orthographic and presentation techniques. Corequisite: ARC 1301. (F)

ARC 1132 Design Graphics II (3). A continuation of Design graphics I with the exploration of broader graphic tools of conceptual representation. Subject areas emphasize computer graphics and multiple media. Prerequisite: ARC 1131. Corequisite: ARC 1302 (S)

ARC 1171 Introduction to Computer Applications in Design 1 (3). A practical exploration to introductory computer applications appropriate to design disciplines.

ARC 1172 Introduction to Computer Applications in Design 2 (3). A continuation of introduction to computer applications in design 1 with a broader exploration of introductory computer applications appropriate to design disciplines.

ARC 1190 Portfolio Design 1 (3). An introduction to creating, binding and reproducing graphic materials for presentation.

ARC 1191 Portfolio Design 2 (3). The second course in Portfolio Design. Students will develop their own portfolios using a variety of techniques. Prerequisite: Portfolio Design 1.

ARC 1213 Design Concepts 2 (3). A continuation of design concepts 1 with a broader exploration design principles, environmental and human factors, as well as the examination of design ideas.

ARC 1244 Introduction to Design 2 (3). A continuation of introduction to design 1 with broader explorations of professional, technical, and aesthetic aspects of architecture, interior design, landscape architecture, and urban systems. Prerequisite: ARC 1001.

ARC 1301 Design Studio 1 (4). An introduction to concepts, fundamental design elements, and systems of order that inform two and three-dimensional design. Corequisite: ARC 1131. (F)

ARC 1302 Design Studio 2 (4). A continuation of Design 1 (ARC 1301). An introduction to principles of proportion and scale with an emphasis on the relationship between the body and three dimensional space. The design process is emphasized. Prerequisite: ARC 1301; Corequisite: ARC 1132. (S)

ARC 1461 Materials and Methods of Design (3). An introduction of materials and methods. In this course properties of materials and performance in a variety of light building, interior and environmental assemblies are explored. (F)

ARC 1930 Special Topics/Architectural Design I (4). An introduction to the basic perceptual, social, cultural, environmental and technical issues of architectural design. Basic architectural design projects.

ARC 2210 Design Concepts (3). Introduction to principles of design and perception, study of user's need for relationship with environmental and human factors. Examination of design ideas and their development. (S)

ARC 2303 Design Studio 3 (4). A continuation of design studio 2, site, social, cultural and environmental issues are the generator for design projects with repetitive spatial and programmatic issues. Prerequisites: ARC 1302 and ARC 2701. (F)

ARC 2304 Design Studio 4 (4). A continuation of design studio 3 structure, material, design details, human factors and interior architecture are explored for small scale infill urban buildings project. Prerequisites: ARC 2303, ARC 1461. (S)

ARC 2580 Structures and Systems (3). Introduction to principles of physical science for design problems of structures, spaces and ecological systems. Topics include, structural systems and environmental systems of building and their natural surroundings.

ARC 2701 History of Design from Antiquity to the Middle Ages (3). Survey of architectural, interior, and landscape design from antiquity to the Middle Ages, including western and non-western traditions critical reading and writing course. Written work meets state composition requirement of 6,000 written words. (F)

ARC 2702 History of Design from the Renaissance to the XIX Century (3). Survey of architectural, interior, and

landscape design from the Renaissance to the XIX century, including western and non-western traditions. Critical reading and writing course. (S)

ARC 2931 Architectural Design 2 (4). Proportioning systems for architecture students stressing the understanding of human proportions in a 3D Space Research on modulating techniques and integration of interior and exterior spaces. Prerequisite: ARC 1930.

ARC 3031 Miami in Film (3). How the natural and built environment of South Florida is portrayed in films.

ARC 3057 Computer Graphics in Design (3). An intensive hands-on introduction to software for processing text and graphics, as it relates to the field of graphic design. Various computer applications in design. Prerequisite: CGS 2060.

ARC 3182 Design and the Virtual Environment (3). Implementation of real-time, three-dimensional virtual reality technology into existing and proposed design works.

ARC 3192 Design Presentation Graphics (3). Exploration of design presentation techniques and portfolio design through the use of digital photography, digital illustration, desk top publishing and web page.

ARC 3220 Case Studies in Architecture (3). This course explores the vast array of decisions that create the architectural experience of outstanding built works.

ARC 3243 Introduction to Design Theories (3). Introduction to the environmental parameters, morphological concepts and ideological principles that generate form and meaning in architecture and landscape architecture. Prerequisites: ARC 2701 and ARC 2702. (F)

ARC 3463 Materials and Methods of Construction II (3). A study of the types of construction and materials used in building interiors. How materials are properly installed and inspected, including the use of special equipment, in accordance to drawings, specifications, codes, standards, and agencies' recommendations. Prerequisite: ARC 1461. (S)

ARC 3741 Urban Architecture and the 20th Century (3). This course will examine debates on urban architecture surrounding the rise of Modernism in the 1920s and will follow those lines of thought into current discussion of architectural design in cities.

ARC 3797 Hotels: Miami and La Habana at Mid-Century (3). A study of mid-century modern hotels constructed in Miami/Miami Beach, Florida and La Habana, Cuba, just prior to the Cuban revolution.

ARC 3905 Solar Decathlon (3). Research based course to develop the architectural and engineering concepts for the solar decathlon house.

ARC 3919 Architectural Research Methods (3). Survey of research methods applicable to the study of the cultural, spatial, material and aesthetic implications of architecture. The emphasis of the course is on involvement in original research. (F)

ARC 3932 Special Topics Design Studio (4). An architectural design studio based on a particular aspect of

architectural design under the direction of appropriate faculty.

ARC 4030 Film and the Architecture of Modern Life (3). Critical overview of social and spatial implications of film on architecture and design over the course of the 20th century.

ARC 4058 Computer Applications in Architecture (3). Advanced study of computer software packages applicable to the architecture office environment, with particular emphasis on CAD software, graphics packages and desktop publishing. (F,S,SS)

ARC 4114 Special Projects (3). Will focus on the development of adequate drawing skills in relationship to the understanding of a building and a site through sketching, graphic analysis, measured drawings, rendering and presentation. The course consists of site visits and workshops.

ARC 4173 3D Computer Modeling (3). This course will explore computer modeling in Architecture. Prerequisite: Program Approval.

ARC 4174 Computer Rendering in Architecture (3). This course will explore 3D rendering in architecture. Prerequisite: Program approval.

ARC 4183 Architecture and the Virtual Environment (3). Implementation of virtual reality technology in architectural representations of existing and proposed built environments for presentation and design research. Prerequisites: ARC 4173 and ARC 4174.

ARC 4185 Interactive Media (3). Presentation of digital images through an interactive and animated interface online or offline, as well as exploration of ideologies of interactive media.

ARC 4188 Visual Effects (3). Introduction of digital video and audio post-production techniques that add sound, text and visual effects to animations, as well as exploration of ideologies of digital animation.

ARC 4227 Gender and Architecture (3). A theoretical, visual and professional exploration of women's and men's roles, identities, and histories in public and private built environments.

ARC 4270C Professional Office Practice (3). Assignments in office administration, negotiation of contracts, fee structure, professional ethics, client and public relations. Business organization, procedure scheduling and task allocation within design professional practices. Prerequisite: Senior standing. (F)

ARC 4324 Architectural Design 5 (4). Integration of structure and construction techniques in the production of a small to mid-sized public project that incorporates site considerations, materials and structure. Prerequisites: ARC 2304, ARC 2580 and admission to the major. (F)

ARC 4335 Architectural Design 6 (4). This studio focuses on housing and related components including the repetitive spatial and structural elements, circulation and contextual considerations. Prerequisite: ARC 4324. (S)

ARC 4342 Architectural Design 7 (4). A flexible framework for appropriate investigations of complex spatial, programmatic, contextual, constructional and

ethical issues involved in design projects. Course content varies with instructor. Prerequisite: ARC 4335. (F)

ARC 4343 Architectural Design 8 (4). Architectural design explorations of site, building codes, community objectives will be undertaken through individual programming, process and design initiatives for a complex building project. Prerequisite: ARC 4342. (S)

ARC 4553 Structural Design (4). Exploration of structural specifications as outlined by appropriate codes and manuals to introduce structural analysis, loadings and structural elements commonly encountered in construction for architectural analysis and design. Prerequisites: ARC 2580 or equivalent. (SS)

ARC 4696 Basic Utilities and Housing (3). The study of the importance of basic utilities (such as roads, sewer and water supply systems) in housing planning and construction. A relative cost analysis. Health problems and sociological effects of lack of basic utilities. Innovative concepts to incorporate basic utilities to all housing projects in developing countries. Prerequisite: Permission of the instructor.

ARC 4730 Culture and Art in Italy (3). Course describes the evolution of culture and aesthetics and their immediate relationship with the creation of these works. Consists of site visits and class lectures.

ARC 4752 Architectural History of the Americas (3). Historical analysis of the development of built forms and styles in tropical and subtropical Americas. Investigating its socio-political and artistic context. Prerequisite: ARC 2701.

ARC 4754 Asian and African Architecture (3). Comprehensive study of architectural forms, styles, and construction techniques in Asia and Africa. Prerequisites: ARC 2701, ARC 2702, ARC 4783.

ARC 4755 The Architecture of the City (3). To analyze the layering that composes urban form and to offer a basis of historical and theoretical information in order to take advantage of particular experience. Different periods of urban history are presented.

ARC 4783 History of Design from the XIX Century to Present (3). Survey of architectural, interior, and landscape design from the XIX century to the present, including western and non-western traditions. Critical reading and writing course. (F)

ARC 4796 Social History of the Built Form (3). The art of urbanism, its roots in society, its techniques and aesthetics. Latest trends and theories. Real urbanism, the appropriate contemporary process to achieve the recovery of place in our society.

ARC 4799 The Architecture and Landscape Architecture of South Florida (3). Overview of the natural resources, cultural traditions and architectural precedents which have fomented the regionalist architecture and landscape architecture of South Florida. Prerequisite: Program approval. (SS)

ARC 4905 Independent Study (1-5). Specialized individual studies under supervision of faculty advisor. Consent of faculty advisor required. Prerequisite: Departmental approval. (F,S,SS)

ARC 4910 Research Methods (3). Survey of architectural research methods that use primary and secondary sources and materials to study historical and contemporary issues involved in the built environment. Prerequisite: ARC 2304. (F)

ARC 4940 Architecture Internship (3). Advanced issues in architecture practice learned through work experience with licensed professionals. Prerequisites: ARC 4270, ARC 3463, ARC 4553.

ARC 5035 Film and the Architecture of Modern Life (3). Critical overview of social and spatial implications of film on architecture and design over the course of the 20th century.

ARC 5036 Miami in Film (3). How the natural and built environment of South Florida is portrayed in films.

ARC 5037 Architecture and Video Media (3). This course will examine intersections between architecture and video media from critical historical and contemporary perspectives.

ARC 5075 Formative Studio (6). Introduction to concept development, spatial expression, and representational techniques in architecture. (F)

ARC 5076 Formative Studio 2 (6). A continuation of architectural design investigations begun in Formative Studio. Prerequisite: ARC 5075. (S)

ARC 5077 Formative Studio 3 (6). An Architectural Design Studio that builds upon concepts and approaches presented in Formative Studio and Formative Studio 2. Prerequisite: ARC 5076.

ARC 5175 3D Computer Modeling in Architecture (3). This advanced course will explore computer modeling in architecture. Prerequisite: Program approval.

ARC 5176C Computer Practices in Design II (3). Advanced study in concepts, issues and methods in computer-aided architectural design. Prerequisites: ARC 4058 or equivalent.

ARC 5177 Computer Rendering in Architecture (3). This advanced course will explore 3D rendering in Architecture. Prerequisite: Program approval.

ARC 5184 Architecture and the Virtual Environment (3). Implementation of virtual reality technology in architectural representations of existing and proposed built environments for presentation and design research. Prerequisites: ARC 4173, ARC 4174.

ARC 5186 Interactive Media (3). Presentation of digital images through an interactive and animated interface online or offline, as well as exploration of ideologies of interactive media.

ARC 5189 Visual Effects (3). Introduction of digital video and audio post-production techniques that add sound, text and visual effects to animations, as well as exploration of ideologies of digital animation.

ARC 5193 Design Presentation Graphics (3). Exploration of design presentation techniques and portfolio design through the use of digital photography, digital illustration, desk top publishing and web page.

ARC 5205 Advanced Design Theories (3). This seminar analyzes western and non-western examples of critical ideology through the investigation of key historical moments and current architectural theory and practice. (S)

ARC 5361 Graduate Design 1 (6). Exploration of highly articulated projects of small scale utilizing innovative research methods to strengthen and clarify design concepts taken to a detailed resolution. Prerequisite: Graduate standing. Corequisite: ARC 5483. (F)

ARC 5362 Graduate Design 2 (6). This course explores architectural projects of medium to large scale applying innovative building technologies to a highly resolved spatial organization. Prerequisite: ARC 5361C. (S)

ARC 5396 Case Studies in Architecture (3). The course explores the vast array of decisions that create the architectural experience of outstanding built works.

ARC 5483 Innovations in Building Technology (3). Experimental approach to new materials and methods applicable to the field of construction. Corequisites: ARC 5361 and ARC 5483L. (F)

ARC 5483L Innovations in Building Technology Lab (1). Field and laboratory exercises in the evaluation of technical support assemblies for buildings. Corequisites: ARC 5361 and ARC 5483.

ARC 5745 Urban Architecture and the 20th Century (3). The course will examine debates on urban architecture surrounding the rise of Modernism in the 1920s and will follow those lines of thought into current discussions of architectural design in cities.

ARC 5750 Architectural History of the Americas (3). Historical analysis of the development of built forms and styles in tropical and subtropical Americas, investigating its socio-political and artistic context. Prerequisite: Program approval.

ARC 5786 Urbanism: Social History of the Built Form (3). This course introduces students to historical analysis, theories, techniques and aesthetics as they relate to urban design.

ARC 5798 Hotels: Miami and La Habana at Mid-Century (3). A research-based, in-depth study of mid-century modern hotels constructed in Miami/Miami Beach, Florida and La Habana, Cuba just prior to the Cuban revolution.

ARC 5803 Preservation Architecture: Issues and Practices (3). This course explores issues and practices of architectural preservation as an integral concern of architecture.

ARC 5905 Solar Decathlon (1). Research based course to develop the architectural and engineering concepts for the solar decathlon house.

ARC 5933 Special Topics (1-6). Coursework on a particular aspect of architecture under the direction of faculty in a classroom format. Prerequisite: Program approval.

ARC 5938 Special Topics Design Studio (6). An architectural design studio based on a particular aspect of architectural design and relevant ideologies under the direction of appropriate faculty.

ARC 5XXX Site Development in Architecture (3). Issues, controls and methods pertinent to the physiographic, topographical, and cultural determinants of site design in architecture.

ARC 5XXX Environmental Systems in Architecture (3). Development of an understanding of environmentally sensitive design. Climate and region as a major determinant of building design; sustainability, energy conservation, passive solar design, daylight and natural ventilation will be examined.

ARC 5XXX Alternative Studio (6). Topical studies in architecture, on issues of current interest, with the participation of visiting lecturers, or abroad. (SS)

ARC 5XXX History of Design Antiquity to Middle-Ages (3). Survey of architectural, interior, and landscape design from antiquity to the middle ages, including Western and non-Western traditions. Explorations of related and causal ideologies will be covered in lectures, readings, and student assignments.

ARC 5XXX Introduction to Design Theories (3). Introduction to the environmental parameters, morphological concepts and ideological principles that generate form and meaning in architecture. Explorations of related spheres of cultural production will also be explored in lectures, readings, and student assignments.

ARC 5XXX Materials and Methods of Construction (3). Study of the types of construction and materials used in institutional, residential, and office building assemblies. How materials are installed and inspected, including the use of special equipment. Explorations of the theories and histories of construction will be explored.

ARC 5XXX History of Design Renaissance to XIX Century (3). Survey of architectural, interior, and landscape design from the Renaissance to the nineteenth century, including Western and non-Western traditions. Explorations of related and causal ideologies will be covered in lectures, readings, and student assignments.

ARC 5XXX Structures and Systems 1 (3). Introduction to principles of physical science for design problems of structures, spaces and ecological systems. Topics include structural systems, environmental systems of building and their natural surroundings. Exploration of related and causal ideologies will be covered.

ARC 5XXX Structural Design (3). Exploration of structural specifications as outlined by appropriate codes and manuals to introduce structural analysis, loadings and structural elements commonly encountered in construction for architectural analysis and design. Explorations of related and causal ideologies will be covered.

ARC 5XXX History of Design from the XIX Century to Present (3). Survey of architectural, interior, and landscape design from the XIX century to the present, including western and non-western traditions. Explorations of related and causal ideologies will be covered in lecture.

IND 1932 Special Topics/Interior Design I (4). An introduction to the basic perceptual, social, cultural, environmental and technical issues of interior design. Basic interior design projects.

IND 3131 History of Modern Interior Design (3). Analysis of the 20th century architectural interiors, furniture and decorative arts from 1890-present. Prerequisites: ARC 2701, ARC 2702.

IND 3215 Interior Design 5 (4). Analysis, programing and design of commerical facilities including hospitality and retail. Students research the functions, and requirements of the project, design the interior spaces, develop architectural details and work on the selection of furniture and finishes. Corequisites: IND 3451C, IND 3423C. (F)

IND 3216 Interior Design 6 (4). Consideration and application of design criteria with an emphasis on planning and design of interior for the work environment. Students develop programs, work on space planning, as well as furniture selection, illumination and selected architectural details. Prerequisites: IND 3215, IND 3451C, IND 3423C. Corequisites: ARC 4270 or IND 4501. (S)

IND 3423C Sources, Materials, and Cost Estimating for Interiors (3). Sources and materials used by interior designers in the development of a design project. Materials available in the market for furniture finishes and equipment and its costs are analyzed. Prerequisites: ARC 1461 and ARC 2580. Corequisites: IND 3215, IND 3451C. (S)

IND 3430C Lighting Design (3). A fundamental course in lighting with emphasis on interaction with the design of an interior space. Prerequisites: IND 3215 or Architectural Design 5 (ARC 4324). (F)

IND 3451C Interior Design Construction Drawing 1 (4). Development of Interior Design working drawings with emphasis on detailing and cabinetry. Prerequisites: ARC 1461, ARC 2580. Corequisites: IND 3215, IND 3423C.

IND 3469 Computer Applications in Interior Design (3). Advanced application of computer tools used in interior design process and communication. Prerequisite: ARC 4058.

IND 3930 Special Topics Design Studio (4). An interior design studio based on a particular aspect of interior design under the direction of appropriate faculty.

IND 4225 Interior Design 7 (4). Analysis of the human condition in design. Topics include the behavioral and environmental sciences, ergonomics, and ecology and their impact on design. Prerequisite: IND 3216. Corequisites: IND 4455C and IND 4943. (F)

IND 4226 Interior Design 8 (4). The final studio involves projects of increased scale and complexity. The studio emphasizes the diversity of aspects that integrate the design process from conceptual formulations and programming to the full development of the design thesis. Prerequisites: IND 4225 and IND 4943. (S)

IND 4311 Color Theory (3). Use of color in the built environment including principal color systems, methods of color harmony, effects of visual phenomena, and various psychological, cultural and historical implications. Prerequisites: ARC 1132, ARC 2304. (F)

IND 4441C Furniture Design (4). Introduction to the human factors, concepts, function, materials and techniques of furniture design. Prerequisite: ARC 4058. (SS)

IND 4455C Advanced Construction Documents (3). Advanced production of construction documents. Includes design of architectural details, material specification, integration of building systems, and application of life safety-accessibility issues. Prerequisites: IND 3451C, IND 3423C, IND 3216. (F)

IND 4501 Interior Design Practice (3). The student will be introduced to the specific skills necessary to succeed in the preparation of legal documents and specifications. Prerequisite: IND 3215. (S)

IND 4940 Interior Design Internship (3). Advanced issues in interior design practice learned through work experience with licensed professionals. Prerequisites: ARC 4270, IND 3451C, IND 3423C, IND 3430C.

IND 4943C Programming (3). Preparation of program for the final interior design studio project. Instruction on methods of information gathering, analysis, and evaluation. Environment and behavior theories will be explored. Prerequisite: IND 3216. Corequisite: IND 4225. (F)

IND 5164 History of 21st Century Furniture Design (3). Students will research and analyze the social, political, technical economic and theoretical forces that contribute to new movements in late 20th century and early 21st century furniture design.

IND 5235 Formative Studio 1 (6). Introduction to concept development, spatial expression, and representational techniques in architecture.

IND 5236 Formative Studio 2 (6). A continuation of Architectural Design investigation begun in Formative Studio. Prerequisite: IND 5235.

IND 5239 Interior Design Formative Studio 3 (6). Interior Design Studio exploring advanced concepts and approaches toward complex problem solving and critical approach to making solutions. Prerequisite: IND 5236. Corequisite: IND 5427.

IND 5427 Interior Design Technology (3). Conceptual framework for design of building assemblies, understanding of construction technologies and properties of interior building materials. Construction drawings and specifications are produced. Corequisite: IND 5239.

IND 5428 Materials and Methods (3). Research and analysis of building materials and methods. Properties of materials and performance in a variety of light building, interior and environmental assemblies are investigated.

IND 5438 Lighting Design (3). Exploration of theories and applications of lighting design. Emphasis on studying research about interactions between light, people and articulation of interior space.

IND 5445C Furniture Design (6). Providing a general overview of furniture design process, this design/build studio course teaches students about ergonomics, scale, space, structure and materiality related to furniture design.

IND 5446 Professional Practice and Entrepreneurship in Furniture Design (3). Learn about industry standards and entrepreneurial strategies that successful designers and furniture companies use when bringing new designs to different markets.

IND 5447C Advanced Furniture Design (6). Research, analyze and design furniture using wood, metals and plastics. Instruction will include advanced technical skills and emphasis on qualitative and conceptual aspects of design.

IND 5475 Computer Applications in Architecture (3). Study of computer software packages applicable to the architecture office environment, with particular emphasis on CAD software, graphics packages and desktop publishing.

IND 5485 Innovations in Building Technology (3). Experimental approach to new materials and methods applicable to the field of construction. Field and laboratory exercises in the evaluation of technical support assemblies for buildings. Prerequisite: IND 5427. Corequisite: IND 6255.

IND 5508 Professional Practice (3). Advanced study office administration, contract negotiation, fee structure, professional ethics, client and public relations. Investigations and analysis of business organizations and project management. Prerequisite: Program approval.

IND 5625 Design Theories (3). Overview of the environmental parameters, morphological concepts and ideological principles that generate form and meaning in interior design, architecture, and landscape architecture.

IND 5626 Advanced Design Theories (3). This seminar analyzes western and non-western examples of critical ideology through the investigation of key historical moments and current architectural theory and practice. Prerequisite: IND 5625.

IND 5645 Structures and Systems 1 (3). Study of physical science for structural design problems and for ecological systems. Review analyze and evaluate structural systems and building environmental systems.

IND 5937 Special Topics (3). Examination of the conceptual framework supporting the theory, and research applications in specialized area of interior design. Prerequisite: Program approval.

IND 5XXX Special Topics Design Studio (6). An interior design studio based on a particular aspect of interior design and relevant ideologies under the direction of appropriate faculty.

LAA 3212 Landscape Construction Documentation (3). Production of landscape construction documents, including drawings and project manual with bidding documents, contract documents and technical specifications on the computer. Prerequisite: Program approval.

LAA 3333 Site Analysis and Design (3). Introduction to ecological, functional, and aesthetic considerations in site analysis, planning and design.

LAA 3350C Landscape Architecture Design 5 (4). Landform as a design element. Integration of landform design and structure. Small to mid-sized scale projects of limited complexities. Prerequisite: ARC 2304.

LAA 3354C Landscape Architecture Design 6 (4). Development of design proposals applying principles and methods in landscape architecture within a tropical and

sub-tropical context. Regional mid-sized to large scope scale projects. Prerequisite: LAA 3350C.

LAA 3372L Computer Applications in Landscape Architecture (3). Advanced study of computer software packages applicable to the architecture office environment, with particular emphasis on CAD software, graphics packages and desktop publishing. Prerequisite: Program approval.

LAA 3420 Landscape Construction (3). Technical aspects of the design and specification of sitework, including materials, products, and methods of installation used in landscape construction. Prerequisite: Program approval.

LAA 3430 Landscape Structures (3). Production of landscape construction details for structures and systems used in landscape architecture. Prerequisite: Program approval.

LAA 3602 South Florida Landscapes (3). Study of the structure, function, and change in the natural and cultural landscapes of tropical and subtropical regions. Prerequisite: Program approval.

LAA 3712 History of Landscape Architecture (3). Historical survey of the principal sites and traditions manifested in the evolution of landscape architecture and urban design from antiquity to the present. Prerequisite: Program approval.

LAA 3802 Landscape Development (3). Technical aspects of the design and specification of earthwork, including materials, products, and methods of installation used in landscape development. Prerequisite: Program approval.

LAA 3905C Special Topics Design Studio (4). A landscape architectural design studio based on a particular aspect of landscape architectural design under the direction of appropriate faculty.

LAA 3XXX GIS Applications in Landscape Modeling (3). Introduction to modeling capabilities of GIS in the planning process addressing the natural and cultural characteristics of the landscape. Prerequisite: Program Approval.

LAA 3XXX Computer Practices in Landscape Architecture 1 (3). Computer applications of drafting and design techniques used in landscape architecture. Prerequisite: Program approval.

LAA 3XXX Theory of Planning Design (3). An introduction to the study of principles and methods related to the ecological, functional, and aesthetic use of vegetation in landscape architecture. Prerequisite: Program approval.

LAA 4210 Professional Office Practice (3). An introduction in office administration, negotiation of contracts, fee structure, professional ethics, client and public relations. Business organization, procedure scheduling and task allocation. Prerequisite: Program approval.

LAA 4354C Landscape Architecture Design 7 (4). Exploration of form, circulation and spatial contexts for the design of urban sites. Consideration of cultural and natural

factors addressing intermediate to large scale complexity. Prerequisite: LAA 3354C.

LAA 4355C Landscape Architecture Design 8 (4). Exploring contemporary landscape architecture issues through the design of projects varying in scale and complexity. Prerequisite: LAA 4354C.

LAA 4375C Computer Modeling (3). This course will explore computer modeling in landscape architecture. Prerequisite: Program approval.

LAA 5233 Theory of Planting Design (3). Study of principles and methods related to the ecological, functional, and aesthetic use of vegetation in landscape architecture. Prerequisite: Program approval. (SS)

LAA 5235 Theory of Landscape Architecture (3). Critical review of the environmental parameters, morphological concepts and ideological principles that generate form and meaning in landscape architecture. Prerequisite: LAA 5716. (S)

LAA 5243 Regional Landscape Issues (3). Exploration of the landscape as cultural construct of social, economic, and scientific values relevant to regional issues of land use and management. Prerequisite: Program approval. (SS)

LAA 5371 Computer Practices in Landscape Architecture 1 (3). Computer applications of graphics, modeling, and animation techniques used in landscape architecture. Prerequisite: Program approval. (SS)

LAA 5374 Computer Practices in Landscape Architecture 2 (3). Computer application of drafting and design techniques used in landscape architecture. Prerequisites: LAA 5371, Program approval. (F)

LAA 5378 GIS Applications in Landscape Modeling (3). Introduction to modeling capabilities of GIS in the environmental planning process addressing the natural and cultural characteristics of the landscape. Prerequisite: Program Approval. (SS)

LAA 5422 Landscape Development (3). Technical aspects of the design and specification of earthwork, including materials, products, and methods of installation used in landscape development. Prerequisite: LAA 5371. (F)

LAA 5423 Landscape Construction (3). Technical aspects of the design and specification of sitework, including materials, products, and methods of installation used in landscape construction. Prerequisite: LAA 5422. (S)

LAA 5425 Landscape Construction Documentation (3). Production of landscape construction documents, including drawings and project manual with bidding documents, contract documents and technical specifications on the computer. Prerequisite: LAA 5427. (F)

LAA 5427 Landscape Structures (3). Production of landscape construction details for structures and systems used in landscape architecture. Prerequisite: LAA 5423. (F)

LAA 5540 Landscape Horticulture (3). Overview of horticultural management practices related to the growth, transport, installation, and maintenance of vegetative

materials used in landscape architecture. Prerequisite: Program approval. (SS)

LAA 5541 South Florida Landscapes (3). Study of structure, function, and change in the natural and cultural landscapes of tropical and subtropical Florida. Prerequisite: Program approval. (S)

LAA 5652 Formative Studio (6). Introduction to concept development, spatial expression, and representational techniques in landscape architecture. Prerequisite: Program approval. (F)

LAA 5653 Site Studio (6). Application of landscape architecture principles and methods to site design in tropical and subtropical contexts. Prerequisite: LAA 5652. (S)

LAA 5715 History and Theory of Architecture (3). Overview of the history and theory of architecture and urban design from antiquity to the present. Prerequisite: Program approval. (SS)

LAA 5716 History of Landscape Architecture (3). Historical survey of the principal sites and traditions manifested in the evolution of landscape architecture and urban design from antiquity to the present. Prerequisite: Program approval. (F)

LAA 5905C Special Topics Design Studio (6). A landscape architectural design studio based on a particular aspect of landscape architectural design and relevant ideologies under the direction of appropriate faculty.

LAA 5940 Landscape Architecture Internship (3). Advanced issues in professional practice learned through work experience with a licensed professional.

URP 5316 Environmental and Urban Systems (3). Overview of basic issues and principles of environmental and urban planning and design systems. Emphasis will be placed on multi-disciplinary linkages.

URP 5912 Research Methods (3). Methods of information search, data interpretation, and hypotheses formulation used in the field.