ARCHITECTURE

Course Search
Not all courses are offered every semester. Refer to the schedule of courses for each term’s specific offerings.
More Info

Courses at the University of Florida, with the exception of specific foreign language courses and courses in the online Master of Arts in Mass Communication program, are taught in English.

Courses

ARC 1000 Architecture and Humanity 3 Credits
Introduces the issues and opportunities derived through actively engaging the sustainable and ethical design of the environments in which we live: urban, landscape and architectural. (H)
General Education - Humanities

ARC 1301 Architectural Design 1 4 Credits
Introduces interfacing communication skills with design thinking. Emphasizes awareness and understanding of basic organization ideas in design.
Prereq: architecture, interior design and landscape architecture majors only, or by college advising center permission

ARC 1302 Architectural Design 2 4 Credits
An analysis course that uses the study of architectural precedent as a foundation for the development of communication and design skills.
Prereq: ARC 1301

ARC 1701 Architectural History 1 3 Credits
A general survey of social, political and cultural factors that have generated art and architecture. (H and N) (WR)
Prereq: architecture majors only
General Education - Humanities
General Education - International
WR6

ARC 1702 Architectural History 2 3 Credits
A survey of the history of architecture from 1400 to 1850. Lectures examine the effects of social, political, material, technological and cultural forces on the design and construction of the built environment and explore the role of the architect in civil society. Emphasizes the theoretical positions of the architects and architectural schools. (H and N)
Prereq: architecture majors only
Coreq: ARC 1301 or ARC 4072
General Education - Humanities
General Education - International

ARC 1720 Survey of Architecture History 3 Credits
A survey of monumental buildings and their embodied architectural intentions from the pre-historical ages to the current age. Demonstrating interactive relationships between form and idea in architecture throughout history across cultural and regional differences. (H and N) (WR)
Prereq: non-architecture majors only
General Education - Humanities
General Education - International
WR6

ARC 2180 Introduction to Digital Architecture 3 Credits
Introduces computer-aided design programs currently utilized by professional practices.
Prereq: architecture majors only
Coreq: ARC 2303 or ARC 4071

ARC 2201 Theory of Architecture 1 3 Credits
A critical study of the processes that influence the form and image of architecture with an emphasis on an understanding of ordering principles and concepts of how space and architecture systems are interrelated. (H)
Prereq: architecture majors only
Coreq: ARC 2303 or ARC 4071
General Education - Humanities

ARC 2303 Architectural Design 3 5 Credits
Studio course explores the influence of history and culture on design decision-making.
Prereq: ARC 1302

ARC 2304 Architectural Design 4 5 Credits
Explores context as a generator of architectural design ideas. Contemporary cultural influences also are examined and incorporated in the design process.
Prereq: ARC 2303

ARC 2461 Materials and Methods of Construction 1 3 Credits
The nature of materials used in construction. Criteria for evaluation and selection related to design decision-making.
Prereq: architecture majors only
Coreq: ARC 2304

ARC 3181 Advanced Topics in Digital Architecture 3 Credits
Continued investigation of computer-aided design programs currently utilized by professional practices.
Prereq: ARC 2180

ARC 3291 Special Studies in Architecture 1-6 Credits
Special studies in architecture adjusted to individual needs of undergraduate students.
Prereq: completion of lower division in architecture and recommendation of advisor

ARC 3320 Architectural Design 5 6 Credits
Architectural design and its relationship to regional contextual influences are investigated through a range of projects which vary in scale and complexity.
Prereq: ARC 2304

ARC 3321 Architectural Design 6 6 Credits
Architectural design within a large scale urban context. Theory, methodology and evolution of urban form in response to social, cultural, economic and technological forces.
Prereq: ARC 3320

ARC 3463 Materials and Methods of Construction 2 3 Credits
Methods of assembling and selecting materials; detailed systems of construction are investigated.
Coreq: ARC 4323 or ARC 4073

ARC 3503 Introduction to Architectural Structures 3 Credits
A foundation course that investigates principles of structural behavior in withstanding gravity and lateral forces; consider structural layout, load distribution and preliminary design techniques; and examines contemporary structural systems through case studies emphasizing trussed, framed, funicular and shell structural systems.
Prereq: PHY 2004 or PHY 2053
Coreq: ARC 3320 or ARC 4073
Prereq: investigation of landscape provides the context for this study.

**ARC 3610 Environmental Technology 1**
Principles and practices relating to control of the thermal/atmospheric environment and to plumbing in buildings.
Coreq: ARC 3321 or ARC 4074
3 Credits

**ARC 3743 Architectural History 3**
A survey of the history of architecture from 1850 to present. Lectures examine the effects of social, political, material, technological and cultural forces on the design and construction of the built environment and explore the role of the architect in civil society. Emphasizes the theoretical positions of the architects and architectural schools.
Prereq: architecture majors only
Coreq: ARC 3320
3 Credits

**ARC 3880 Sustainable Architecture**
How environmentalism has informed architectural discourses and how discourses on the built environment and urbanism have impacted environmentalism globally.
Prereq: junior standing or instructor permission
3 Credits

**ARC 4071 Core Studio 1**
Introduces a variety of design techniques, including design theory, three-dimensional development and spatial relationships.
6 Credits

**ARC 4072 Core Studio 2**
Continuation of core studio sequence with increased emphasis on manipulation of architectural elements.
Prereq: ARC 4071
6 Credits

**ARC 4073 Core Studio 3**
Continuation of core studio sequence with studio projects related to program development, structural integration, energy analysis and introduction to mechanical integration systems.
Prereq: ARC 4072
6 Credits

**ARC 4074 Core Studio 4**
Continuation of core studio sequence with increased emphasis on complex building types.
Prereq: ARC 4073
6 Credits

**ARC 4220 Architectural Theory 2**
Investigates the theoretical, historical and ideological ideas in architecture that took place during the early decades of the twentieth century.
Coreq: ARC 4322 or ARC 6241
3 Credits

**ARC 4310C Building Information Modeling**
Emerging technology in building information modeling (BIM) in the context of architectural design development and documentation. Theoretical and technological evolution of different typologies of software with hands-on experience designing and modeling with BIM software.
Prereq: ARC 2180
3 Credits

**ARC 4322 Architectural Design 7**
Emphasizes the notion of control over architectural design processes needed to arrive at solutions that respond to needs through appropriate use of program development and construction technology. Course emphasizes the complete building as a final product and focuses on the urban and suburban housing project.
Prereq: ARC 3321
6 Credits

**ARC 4323 Architectural Design 8**
Architecture designs focus on architectural detail and articulation. An investigation of landscape provides the context for this study.
Prereq: ARC 4322
6 Credits

**ARC 4511 Structural Modeling**
Introduces the fundamentals of structural modeling including building information modeling (BIM), digital design, and approximate systems analysis and detailing for architectural structures. Students will learn how to efficiently implement building information modeling to organize, coordinate and communicate information to convey data necessary for structural systems.
Prereq: ARC 3503
3 Credits

**ARC 4620 Environmental Technology 2**
Fundamentals of architectural lighting, acoustics, electrical power distribution and building communications.
Coreq: ARC 4322 or ARC 6241
3 Credits

**ARC 4684 LEED for Sustainable Design and Construction**
Campus projects demonstrate design and construction of high performance buildings and application of green building technologies. Economics and market development associated with the application of green building rating systems, with a focus on LEED. Successful completion helps prepare for LEED V4 Green Associate exam credentials.
Prereq: Junior standing
3 Credits

**ARC 4882 Vernacular Architecture and Sustainability**
Investigates vernacular architecture in the discourse of architectural sustainability with an emphasis on the way that vernacular architecture has been constructed, represented and consumed in the environmental histories of architecture.
Prereq: junior standing or instructor permission
3 Credits

**ARC 4930 Special Topics Seminar in Architecture**
1-6 Credits
Miscellaneous topics in architecture and related fields.
Prereq: junior standing or instructor permission

**ARC 4941 Architectural Education**
Provides an awareness of curriculum development, project preparation, program/project presentation, constructive criticism and evaluation techniques.
Prereq: ARC 3321
2 Credits

**ARC 4950 Vicenza Institute of Architecture: Italian Language and Culture**
Taught through the Vicenza Institute of Architecture, located in Vicenza, Italy. It is intended for architecture students participating in the VIA program. The course establishes a basic level of competency in Italian language and culture as it relates to the architectural goals of the VIA program.
Prereq: ARC 3321
3 Credits

**ARC 4951 Vicenza Institute of Architecture: Architectural Design Studio**
Architectural design examining the regional contextual relationships found in northern Italy as well as central and southern Europe. Design exercises focus on the immediate relationships of European urban space, ideas of building program and the potential development of architectural details and material systems.
Prereq: ARC 3321
6 Credits

**ARC 4952 Vicenza Institute of Architecture: Analytical Sketching**
Introduces sketching as an analytical skill in understanding constructed space within the context of Italy’s Veneto region as well as central and southern Europe.
Prereq: ARC 3321
3 Credits