

Course Syllabus: ARC 2303 Architectural Design III

Credit Hours: 4
Contact Hours breakdown: Lecture 16; Lab 96
Pre-requisites: ARC 1302 - Architectural Design II (with a grade of "C" or higher)
Co-requisites: none

Course Description: This course emphasizes the analysis and resolution of the natural and man-made environmental context as a generator of architectural design ideas. The analysis of architectural building programs and architectonic principles are applied to further define the organization, form, circulation and function of architectural space in buildings.

Narrative: This course is similar to the previous architectural design courses within Broward College Architecture Program. While some individual desk criticism occurs; much of the critiques will be in a group: the student presents their work in front of a jury and receives criticism on the work. It is expected that each student is present and participates as a great amount of your learning comes from analyzing other student's work. It is also anticipated that the student is able to critically self-evaluate and to accept all criticism in order to cultivate as a designer. Additionally, the student is expected at this level to understand that architectural design studios demand an enormous amount of time, dedication and devotion outside of class. Time management is essential for all students.

Objectives: By the end of this course, the student should be able to:

1. Understand and apply responses to contextual forces at varying degrees both in 2-dimensions and 3-dimensions.
2. Competently design a series of spaces that demonstrate a complete understanding of organizational, architectonic, formal, compositional, functional and spatial principles explored during the course and from former design courses and architectural theory.
3. Prepare well-drafted and labeled architectural drawings in orthographic projection, diagrams, axonometrics, perspective and other 2-dimensional and 3-dimensional techniques.
4. Construct well-crafted architectonic models that concentrate on spatial interactions.
5. Use both architectural drawing and architectonic model making as a means of exploration and process.

Required Text: Design Strategies in Architecture: An Approach to the Analysis of Form. Geoffrey H. Baker, Routledge.

Reference Text: Designing with Models. Criss B. Mills, Wiley.
Architectural Drawing: A Visual Compendium of Types and Methods. Rendow Yee, New York: John Wiley and Sons.
Architecture: Form, Space and Order. Frank Ching, New York: John Wiley and Sons.
Architectural Graphics. Frank Ching, New York: John Wiley and Sons.
Drawing and Perceiving: Life Drawing for Students of Architecture and Design. Douglas Cooper, New York: John Wiley and Sons.
Drawing, The Creative Process. Frank Ching, New York: John Wiley and Sons.
Le Corbusier: An Analysis of Form. Geoffrey Baker, New York: Van Nostrand Reinhold.
Vers une architecture (Towards a New Architecture). Le Corbusier, New York: Holt, Reinhart & Winston.
Design Drawing. Frank Ching, New York: John Wiley and Sons.
Precedents in Architecture. Roger Clark and Michael Pause, New York: Van Nostrand Reinhold.

Instructor: Robert E. Burghardt, RA, AIA
 Master of Architecture, University of South Florida, 1998.

To contact instructor (preferred method is via email or cell):

Office: DMJM Harris/ AECOM
 305-648-9974 Direct line, 305-205-7878 Cell (do not text message)
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 or leave message via Broward College 954-201-7396

Consultations: Immediately after class in classroom or by appointment.

Attendance: Students must be punctual and attend all classes- if you are late, inform instructor after class to be marked present. If the student misses two (2) or more consecutive classes or four (4) or more non-consecutive classes without a strong, documented medical reason, then they are subject to receiving an “F” for the course. To stop coming to class does not automatically give a withdrawal: it is the responsibility of the student to fill out the proper paperwork with the College if they are withdrawing from the class and must be prior to or on the withdrawal due date. If student needs to observe a particular religious holiday, student must inform instructor the class prior to holiday; otherwise, it will be counted as an absent.
 Class time is T/Th from 6:30 pm – 9:50 pm. Students are expected to come to each class with the required equipment and materials pertinent to the current project to work and to be prepared for critiques. Leaving prior to the end of the class time is not acceptable unless allowed by instructor.

Grading: Fulfilling the requirements are only a minimum and do not guarantee a passing grade. Project due dates will be enforced and progress must be shown each class period. Extracurricular activities, family and/or employment are not accepted excuses for not being prepared each class and not fulfilling all of the requirements for presentations. The method of grading is based on the following percentages:

Project Assignments	50%
Final Project	35%
Class Participation:	15%

An evaluation sheet is used for the projects with category ratings of excellent, above average, average, poor, very poor and missing. These evaluation sheets are used to determine the grade of the project assignments and final project. Class participation is merited by class time management, attendance, attitude, willingness to learn and to accept criticism, degree of improvement, ability to work with others, technical expertise and design skills. At the end of the semester, a letter grade is assigned based on:

A	90-100	Excellent	Outstanding work and learning
B	80-89	Good	Better than average work and learning
C	70-79	Average	Class standard work and learning
D	60-69	Passing	Below average and minimum amount of work and learning
F	below 60	Failure	Less than minimum amount of learning, work and effort
X	audit		

The instructor does not withdrawal a student and cannot give a grade of “W”. Incompletes (a grade of “I”) are not given except for extenuating circumstances and if the student is in good standing and has demonstrated the objectives of the course. It is the responsibility of the student to be informed about their standing in the class during the duration of the semester.

Student Regulations: It is the student’s responsibility to understand and to strictly adhere to all academic regulations and students rights and responsibilities as stated in the official Broward (Community) College Catalog. If a student does not adhere to academic honesty, then they will receive an “F” for the project and are subject to receiving an “F” for the

course. Students are required to act as not to disrupt the academic performance and education of another and are subject to dismissal from the class and receiving an "F" for the course.

Computer Use: **Generally, computer drawings and renderings are not allowed in this class unless it is over and above the requirements of the hand drawings.** It is up to the discretion of the instructor to accept a student to present via computer drawings.

Note: All assignments and information pertinent to the course will be handed out in class. If you miss class or loose the material, it is the responsibility of the student to obtain the material from another student. For your convenience only, I always make an effort to post the material on my website: www.geministudios-miami.com. (Go to: Architecture/College Class Information).

Emergency Information: For information concerning class cancellation contact instructor at cell phone number listed and for school closure, contact the BC Hotline at 954-201-4900 and via the BC website (www.broward.edu). Should any emergencies arise in classroom or building, contact building security.

Supplemental Materials and Equipment:

Students must bring the necessary materials and tools and be prepared to work on their projects during studio hours. It is expected of the student at this level in their education to know what materials and equipment to bring to class and what is required for presentations. If further guidance is required, ask the instructor what to bring the class prior. Specific guidelines, formats, and materials will be listed on assignment/project sheets.