COURSE SYLLABUS: ARCHITECTURAL DESIGN III - ARC 2303

DESCRIPTION: Context and program are explored as generators of architectural design ideas.

As a continuation of two previous graphics and design courses, this course studies the design process through a series of projects of various environmental contexts. Program analysis is graphically conceptualized and decisions implementing organization, form, spatial qualities, circulation and function are developed. Extensive drawing and model construction are required.

METHOD: Schematic solutions of three-dimensional/spatial architectural design problems are explored. These explorations are based on contextual and programmatic requirements and will be explored through the use of models and orthographic, axonometric, perspective and other two and three-dimensional drawing techniques. Principles of architectural theory and architectonic relationships are applied to the architectural design solutions.

Pre-Requisites: ARC 1302 Architectural Design II, ARC 2201 Theory of Architecture.

INSTRUCTOR: Lyle D. Culver Assistant Professor (candidate Doctor of Education, Higher Education Administration, Florida International University; Master of Architecture, University of Tennessee, College of Architecture & Design; Post Graduate Diploma, Management, Economics & Politics University of St. Andrews, Scotland U.K.; Bachelor of Arts, French & International Development, Washington University (St. Louis).

OFFICE: Office at M.D.C KENDAL CAMPUS Building 6 Room 306.
PHONE: 305-237-2486
E-mail: lculver1@mdc.edu (it is checked daily)

OFFICE HOURS: By appointment at the MDC office, or any day by appointment.

REFERENCE TEXTS:
Architecture: Form, Space and Order by Frank D.K. Ching
Drawing, The Creative Process by Francis D.K. Ching
Architectural Graphics by Francis D.K. Ching

GRADES: Project Assignments… 80%
Class Participation 20% (this includes attitude & attendance!)

Letter grades indicate the following:

A: Exceptional work, above and beyond the requirements and exhibiting creative advancement in design theory or application.
B  Good work, meeting all of the requirements and exhibiting creative solutions that respond to the important project issues, communicated clearly.

C  Average work, meeting the minimum requirements and exhibiting a consistent effort in Research and design process, communicated clearly.

D  Marginal work, meeting less than the minimum requirements while exhibiting inconsistency in design research, process, and lacking in clarity.

F  Failing work, meeting less than the minimum requirements.

The student is responsible for obtaining a withdrawal from the class. **To stop coming to class will not give you automatically a W if the student does not fill out the forms.** Only extenuating and documented reasons will be accepted for an incomplete grade. Not finishing the work for the final presentation will earn you a failing grade for that project, and possibly for the course.

The grade will depend directly on meeting the minimum standard of learning and production expected from this class. After this minimum criterion has been met, the grade will be determined by noticeable overall improvement in design and drafting from the beginning of the course to the end. **Late assignments, midterm and final presentations will not be accepted.** Direct and immediate application of the principles learned, continuous development of the work, constant and dedicated effort, time dedicated to understanding weak areas and improving the concept, and quality of design and of the presentation will be factors influencing the final grade. The larger the quantity of work produced for the class, the better the grade will be. An evaluation/grade form could be used. Positive attitude towards the class and learning is also important.

**GEN. ED**

Through the academic disciplines and co-curricular activities, General Education provides multiple, varied, and intentional learning experiences to facilitate the acquisition of fundamental knowledge and skills and the development of attitudes that foster effective citizenship and life-long learning.

ARC 2303 helps fulfill all of the following General Education requirements:

1. Communicate effectively using listening, speaking, reading, and writing skills.
2. Use quantitative analytical skills to evaluate and process numerical data.
3. Solve problems using critical and creative thinking and scientific reasoning.
4. Formulate strategies to locate, evaluate, and apply information.
5. Demonstrate knowledge of diverse cultures, including global and historical perspectives.
6. Create strategies that can be used to fulfill personal, civic, and social responsibilities.
7. Demonstrate knowledge of ethical thinking and its application to issues in society.
8. Use computer and emerging technologies effectively.
9. Demonstrate an appreciation for aesthetics and creative activities.
10. Describe how natural systems function and recognize the impact of humans on the environment

**SCHOOL OF ARCHITECTURE STANDARDS:**

The School and its faculty have adopted the following standards for all Architecture, Interior Design, Building Construction and Landscape Architecture courses:

1. The student will receive from his / her instructor written course syllabi and assignments.
2. The student assumes all responsibilities in regard to course pre-requisites and
co-requisites. Your Instructor may require an Degree Audit report to verify completion of requirements.

3. Closed class overrides will only be issued by the section instructor during the drop and add period. Students will not be allowed to enroll after this period.

4. The Instructor, on behalf of the School, reserves the right to retain student work for purposes of record, instruction or exhibition. Should such work be retained, the School will attempt to reproduce the student's work and furnish the student with reproductions of his/her work.

5. Course Objectives (Outcomes) and Performance Standards are established by the School. In order to attain these and to achieve a high level of consistency, all multiple section courses are following departmental guidelines as established in the Faculty Course Handbook and hold at least one joint project review / evaluation as part of the grading process in which other instructors teaching the same course participate. Exemplars of superior achievement or excellence may be exhibited by your Instructor for your perusal. The following interpretational scale is used in computing and assigning grades:

<table>
<thead>
<tr>
<th>Letter</th>
<th>Raw Grade</th>
<th>Score</th>
<th>Interpretation</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90-100</td>
<td>90-100</td>
<td>EXCELLENT</td>
</tr>
<tr>
<td>B</td>
<td>80-89</td>
<td>80-89</td>
<td>GOOD</td>
</tr>
<tr>
<td>C</td>
<td>70-79</td>
<td>70-79</td>
<td>AVERAGE</td>
</tr>
<tr>
<td>D</td>
<td>60-69</td>
<td>60-69</td>
<td>IMPROVEMENT NEEDED, POOR</td>
</tr>
<tr>
<td>F</td>
<td>0-59</td>
<td>0-59</td>
<td>FAILURE</td>
</tr>
</tbody>
</table>

Incomplete (I) grades will only be assigned under very extreme circumstances and must be completed within an agreed upon time schedule. Incomplete agreement Forms must be signed by the student and the Instructor and filed with the School secretary.

6. Absenteeism can result in course failure. The student can be required to drop the course when he / she accrues as many absences as there are class meetings per week, except during the Summer A & B terms where the maximum is set at two (2). An absence is no excuse for a missed project deadline. Students are responsible for all assignments due, and all work consummated and / or assigned during any absence.

7. Tardiness will not be tolerated, as it disturbs and detracts from the ongoing activity. Your Instructor reserves the right to equal tardiness to absences.

8. Due-dates and deadlines are imperative in the creative and professional fields. Students are to learn the importance and pride of meeting deadlines. All work is due at the commencement of the session for which it was assigned. Your Instructor reserves the right to refuse to grade, critique and / or jury tardy work.

9. The student is referred to the Course Outline for course work and content. Course Outlines will be distributed in class during the first week of classes. The student may request a copy of the Course Objectives, which further detail the course.

10. Student projects and assignments may often receive more than one grade. The evaluation may be based on:
   A. CONTENT: comprehension of the problem, clarity of expression of ideas or concepts, application of concepts, aesthetics, etc.
   B. STUDIO / CLASS-WORK: development of assignments under the guidance and supervision of your Instructor and in accord with his/her established class structure and methodology.
C. PRESENTATION: effectiveness of presentation to communicate accurately and clearly the essence of the solution in a professional like manner.

D. JURY / REVIEW: from time to time, at least once a term in the design courses, the student will be required to participate in the Jury / Review process where other Instructors and / or guest critics participate in the project evaluation.

E. Any other aspect of the project / assignment which can be uniquely identified and evaluated.

11. Student participation in reviews or juries of projects is mandatory. Each student can be required to present his / her work to a team of critics, and is to stay for the entire session. This is to be considered as yet another learning activity and the student is expected to participate accordingly. Non participation on the part of the student may adversely affect his / her grade.

12. From time to time the student can be required to attend presentations, juries / reviews, lectures, to participate in field trips and / or to partake in similar class related activities at other than the scheduled class time. The student's grade may be lowered for non-participation in these events.

13. All student work is expected to be his / her own original work. Any student cheating or plagiarizing is in direct violation of College policy and will be subjected to the appropriate disciplinary action which may result in a recommendation for dismissal from the College. Work created for one class may not be used for another, even though the assignments may be similar.

14. All student work collected by your Instructor at any time during a given semester, must be claimed within the first week of the following term. All remaining work will be disposed off.

15. Questions about grades in general should be discussed with your Instructor first. If not satisfied, the student may discuss the matter with the Chair of the School or file a petition for grade review in the office of the Dean of Student Services.

COURSE COMPETENCIES

Competency 1: The student will demonstrate an ability to communicate developmental idea effectively – two and three dimensionally by means of:

   A. Developing a design concept
   B. Constructing 3-D compositions
   C. Projecting 2-D compositions
   D. Producing the required context study, sketches, diagrams, drawings, models.

Competency 2: The student will demonstrate knowledge of basic architectural design terminology by defining and using these terms:

   Hierarchy, Layering Rhythm, Point, Repetition, Line Opening, Space, Sequence, Plane, Gateway, Volume, Threshold, Fragmentation/Erosion, Linear, Rotation, Negative/Positive, Formal/Informal, System, Datum, Plane, Scale, Grid, Enclosure, Articulation, Massing, Axis, Centric

Competency 3: The student will analyze selected architectural buildings, outdoor spaces, etc by evaluating the composition elements and architectural design principles employed on:

   A. Selected studies of architectural projects.
   B. Context study or site analysis
C. Building analysis

Competency 4: The student will demonstrate the ability to synthesize the concepts of shape, form, space and order by considering and applying theories, precedents, parameters and alternatives in arriving at design solutions in small scale and architectural programs by means of:

A. Theoretical writings
B. Text reading assignments
C. In-Class verbal presentations.

Competency 5: The student will synthesize visual expression and representation techniques by producing architectural design presentations that may include:

A. Diagrams, plans, elevations, sections, details, perspectives, isometrics, axonometrics, conceptual models, mass models, finished models, etc to convey the essence of the design to others.