Catalog Description

The primary foci of this course are the development of two- and three-dimensional graphic skills and the ability to think spatially and to manipulate elements in space. Analysis and design exercises are located primarily in abstract two- and three-dimensional space and deal with topics such as figure/ground relationships; line/plane/mass; the ideas of systems, networks, repetition; and the relation of part to whole.

Prerequisites: 0

Accreditation Criteria

All required courses in the School of Architecture address National Architectural Accrediting Board (NAAB) or Landscape Architecture Accrediting Board (LAAB) performance criteria. This class addresses the student performance criteria listed below.

Major Criteria:

Minor Criteria: 3, 5

Course Goals and Objectives:

• To learn fundamental design principles.
• To develop basic design skills, such as: drawing, sketching, model making, graphics, etc.
• To team and use a variety of presentation techniques.
• To explore analytical techniques for the understanding of the nature of the design problem to be solved.
• To learn and develop a strict sense of craftsmanship, discipline, and work ethic.
• To develop an awareness of Architecture, its general organizing principles, and the fundamentals of design thinking.
• To initiate an awareness of aesthetics and the ability to make critical aesthetic judgments.
• To think creatively and critically about formal architectural issues.
• To team spatial systems, networks, and the relation of part to whole.
• To develop attitudes, values, and work habits appropriate to our profession.

Students who have successfully completed this course will have developed an appreciation for the profession, the arts, and the skills that affect it. Students will have developed an understanding of two and three-dimensional design, as well as a 2-D to 3-D translation. Topics may include, but are not limited to the following:
DRAWING METHODS
Free Hand Drawing
Drafting

DRAWING TOOLS
Line
Tonal Values
Color
Texture

DRAWING SYSTEMS
Architectural Scale
Line Weights
Line Quality
Plan
Section
Elevation
Axonometrics
Plan Obliques
1 Pt. Perspectives
2 Pt. Perspectives

MODEL MAKING SKILLS
Desk Built
Shop Built

ORAL / WRITTEN SKILLS
Oral Presentations
Verbal Presentations
Research Skills

BASIC ELEMENTS OF DESIGN:
Value
Form
Color
Shape
Texture
Space
Line

BASIC PRINCIPLES OF DESIGN
Contrast
Rhythm
Unity
Emphasis
Movement
Pattern
Balance

Required and recommended texts:
Reading material will be recommended during the course of the semester. The material will vary according to the nature of the project.

Required:
Ching, Francis D.K. - Architecture: Form, Space & Order (Buy used 2nd or 3rd edition)

Recommended:
Ching, Francis D.K. – Architectural Graphics
Sutherland, Martha - Model Making: A Basic Guide
McCreight, Tim – Design Language
Fletcher, Sir Banister. - A History of Architecture
Janson, H.W. - History of Art
Laseau, Paul -- Freehand Sketching: An Introduction

Course Requirements (examinations, research papers, group projects, etc.)
The students are constantly evaluated through a series of design projects and research assignments that deal with specific educational goals. The student will keep a journal and/or sketchbook.

Course strategies/mode of delivery
The intention of the studio is to provide a series of opportunities for exploring issues of design. For this purpose, the studio will consist of a series of projects of different lengths organized from simple to complex, from monochromatic to full color, from 2-D to 3-D, from concrete to abstract. All problems intend to open a dialogue between students, design issues and instructor. The course emphasizes exploration and discovery.
Methods of evaluation (grading system and scale)

Grading should reflect the development of these skill areas:

**Analytical Skills:** Comprehension of the problem—its parameters, and the explicit formulation of its inherent logic.

**Synthetic Skills:** An ability to reconcile all aspects of a problem’s program within a consistently articulated design. This includes the strength of the architectural concept and the extent to which the concept has been developed.

**Technical Skills:** A cognizance of an ability to resolve all problems of the design. A clarity of representation, quality of presentation, and ability to communicate in various media. Verbal skills should be demonstrated in a complementary way in each of the above skill areas.

**Attitude:** A very important quality in and out of studio situations. A less tangible criteria, but very important in the development of professional architects. An attitude about personal behavior, professional interest, discipline and work ethic.

In the end the measure of your performance is closely connected to the quality of the work done. Each project has its own set of pedagogic objectives. The depth of your understanding of these issues must be evident both in the work done and your verbal expression of this understanding. Your stated intentions are critical in this regard. The thoughtful student whose critical views are evident in the work will pass this course.

Grading is directly related to your progress in this course.

**A grade of A** means the project is truly exceptional, the design and presentation are not only professional but also elegant and it is obvious that unusual effort and design attention were invested to produce them.

**A grade of B** means that the project is more than professionally competent, that it clearly goes beyond the basic project requirements and that extra attention was paid to the design and the presentation.

**A grade of C** means that the design and presentation essentially satisfy the requirements and the intent of the project.

**A grade of D** means that there are serious mistakes, omissions or craftsmanship problems with the project.

**A grade of F** means the project was not turned in or that the project was obviously not taken seriously.

All work done during the semester will receive a grade. The criteria for evaluating each project will be explained as each problem is introduced.

All projects of the course must be completed and presented in order to pass the course. No shows at final juries may result in an “F” for the project.
All projects must be turned in complete and on time. Late or incomplete projects will be penalized 1/3 grade, 2/3 grade or a full grade depending upon whether they are classified as minor incomplete, moderate incomplete or major incomplete by the instructor. No shows at juries or at deadlines will result in a failing grade for that project if the absence is not excused.

Any form of dishonesty or unprofessional conduct during the course will result in a failing grade for the course and potential suspension from the School of Architecture.

The weight of grades will generally correspond to the percentage of the term that the project occupies.

<table>
<thead>
<tr>
<th>Percentage of the Semester Grade</th>
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<tr>
<td>Several Major projects</td>
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<tr>
<td>Several smaller exercises and assignments worth varying percentages</td>
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<tr>
<td>Sketchbook Drawings</td>
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<tr>
<td>Attendance/Personal Development</td>
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<td>GRAND TOTAL</td>
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**Course Policies**

You are expected to be on time for all classes and remain in class for the entire scheduled period. **Four (4) unexcused absences will result in your being dropped from the class with a failing grade.** Two (2) lates (15 MIN. +.) shall count as one (1) absence. Always inform the instructor when you must miss a class or be late for any reason.

**Academic Honor Policy Statement**

The relationship between students and faculty is based upon trust, and the continued maintenance of this trust is necessary for education to be successful.

- Students need to trust that faculty has made appropriate judgments as to the content and structure of the course.
- Faculty members need to trust that the work turned in by students represents their own effort.

Violation of this trust undermines the educational process. As such, academic dishonesty will be dealt with seriously. Any student found to have copied a homework assignment, cheated on a quiz or examination or submitted work that was created by another individual will receive a failing grade (F) for the assignment, and will be referred to the Dean of the School of Architecture for disciplinary action. Students are cautioned that the disciplinary sanctions for academic dishonesty (imposed in addition to the F grade) can be quite severe.

**University ADA Statement**

It is the policy of Florida A&M University to assure that each member of the University community be permitted to work or attend classes in an environment free from any form of discrimination including race, creed, color, age, disability, sex, martial status, national origin, veteran status and sexual harassment as prohibited by State and Federal statues. This shall include applicants for admission to the University and employment.

Questions concerning this policy and procedures for filing complaints under the policy should be directed to: University EOP Officer, Equal Opportunity Programs, 401 Lee Hall, Tallahassee, FL 32307, (850) 599-3076
Assessment

The assessment program at Florida Agricultural and Mechanical University (FAMU), aims to promote a culture of continuous improvement. It is an initiative that is an integral aspect of the university’s commitment to sustaining and enhancing academic quality and positive student experience. For each required class, students will complete a survey that examines how well the course addressed its Academic Learning Compacts and accreditation responsibilities. The result form the indirect measure will be used to build academic quality and a positive student experience. For more information visit http://www.assessment.famu.edu/assessment

Ownership

The School of Architecture reserves the right to retain, exhibit, and reproduce work submitted by students. Work submitted for a grade is the property of the School and remains so until it is returned to the student.

Misconduct

The University has a responsibility to promote academic honesty and integrity and to develop procedures to deal effectively with instance of academic dishonesty. All students are responsible for the honest completion and representation of their work, for the appropriate citation of sources and for respect of others' academic endeavors.

Timely Submissions

No student shall be given an opportunity to improve a mark that is not made available to all members of the class. This policy is not intended to exclude reasonable accommodation of verified student disability or the completion of work missed because of religious observance, verified illness or justified absence due to circumstance beyond your control.
FAMU School of Architecture

Materials

This is a general list of materials and equipment recommended for architecture studio courses. Specific materials needed for each project will be discussed as projects are implemented.

- "T" square ruler (36" or 42") metal so it can be used as cutting edge
- 30-60 degree triangle - 45 degree triangle
- OR Adjustable triangle
- Assortment of soft sketching pencils (2B, 4B, 6B) & Drafting pencils to 4H
- Eraser (white)
- Assortment of color pencils (box of 12-24)
- Architectural scale
- Drafting tape or dots
- Scotch tape
- Yellow OR white trace paper (12' X 50 yards)
- Utility or matt knife and blades -LOTS OF BLADES
- X-Acto knife and #11 blades - LOTS OF BLADES-buy box of 100
- Elmer's glue (white)
- Rubber cement (can share with other students) Needed for one project
- Tackle box (for equipment)
- Chipboard, 30' X 40', (4 ply)- FOR CUTTING on DESK or plastic cutting board
- Drafting brush
- A pair of scissors
- Pushpins
- Drawing pad (white paper, regular surface, 18" x 24" or larger)
- Sketch book or diary, 9" x 12", or 8.5x11 spiral bound
- Pack of color paper (card stock)
- Lock for storage unit (place your name on the lock)
- 1-2 Mechanical lead holders
- Graphic leads - 2H, H, F, HB, B
- Lead sharper
- Set of disposable mechanical pens (example: Micron, .1,2,3,5,8)
- charcoal pencil (white and blk)
- black paper (few sheets)
- Black Pilot Precise Rolling Ball Pen (Fine or Extra Fine)
- Metal Ruler with cork backing
- Large Black Felt tip pen (Tombow Brush Pen, Micron Brush Pen, or Pitt Pen)
- PaperMate Black Felt Tip Pen
- White and Black Foamcore Several sheets
- Museum board, 1 Ply several sheets Lots of posterboard
- Recommended: Ames Lettering guide
- Recommended: spray glue can
  - Needed: 11"x7" mylar or vellum for Research project
  - Needed: 3- ¼"x1/4" Square basswood rods and 2- 3/16"x3/16" Square Basswood rods
  - 24"X05 or 10 Yd Roll 1000H Clearprint Vellum Drafting Paper 16lbs