COA 1012 **SYLLABUS Fundamentals of Design and the Built Environment II**

Spring

Welcome to the concluding course in the College of Architecture’s Common First Year!

COA 1012 has two components. Your participation in both is required to successfully complete the class.

**Lecture** meets Wed 12-1 in the Reinsch-Pierce Auditorium, taught by:

Dean Alan Balfour [alan.balfour@coa.gatech.edu,](mailto:alan.balfour@coa.gatech.edu) office 2nd flr CoA East Ann Gerondelis [ann.gerondelis@coa.gatech.edu,](mailto:ann.gerondelis@coa.gatech.edu) office 156 CoA West Jihan Sherman [jihan.sherman@coa.gatech.edu,](mailto:jihan.sherman@coa.gatech.edu) office 156 CoA West And studio instructors

**Studio** meets in Room 150, and the front porch of CoA West, taught by: TR 8:35 -12:55

B1 Martin Scoppa B2 Linda Duncan, B3 Catherine Muller

TR 1:35-5:55

C1 Joseph Minatta

C2 Andrew Ruff

C3 Catherine Muller

Course Purpose + Description

COA 1012 continues as the final course of the three that make up the Common First Year curriculum. The course is required of all undergraduates entering the College of Architecture.

Wednesday lecture content will relate directly to studio activities, and provide support for post- CFY major decisions.

The studio component continues to sponsor your curiosity of the designed and built

environment, now through a design-build project. The course continues to build skills in seeing, describing, and imagining. Procedures for setting up the ‘problem’ as well as the ‘process’ –

will continue to be integral to all assignments.

Each studio exercise continues to introduce and reprise a range of different media and genres

of thinking, looking, making, and inquiring. Our goal is to enable you to have a facility in a broad range of conceptual and technical modes and methods as well as to have the ability to be strategic in their selection and use.

Given both our pedagogical emphasis on collective learning and the logistics of the studio teaching space, the studio exercises unfold in a wide range of discursive situations: individual, small-group, and collective desk-crits, pin-ups, chalkboard talks, and online commentary.

Reflection, concurrent and retrospective, individual and collective, is an integral part of the studio process. Each exercise, therefore, will include written reflections to specific prompts drawn from the learning objectives and procedures of each exercise. The goal of these reflections is to habituate an awareness of the individual learning that occurred (or did not occur) as well as to reiterate the pedagogical structure and intention that underlay each exercise.

Basic Information

Studio Instructors

Martin Scoppa, Linda Duncan, Catherine Muller, Joseph Minatta, and Andrew Ruff.

Contact Information: Email

Phone

Outside class meeting time, location

Course Coordinator: Jihan Sherman

CoA West Room 156

Course Websites

https://t-square.gatech.edu/portal

Class Texts

Numerous texts will be posted on T-Square site

Course reserve books can be borrowed by the hour from the CoA Library on the

Ground Floor of CoA West with student buzzcard. Course Materials

All materials on CoA 1011 Supply List

Check with studio instructor for additional supplies

Course Resources

CFY Ipods and tablets available from instructor during studio time

Digital cameras on hourly loan from CoA Library

Computers, scanners, and printers in 150 for CFY students only

Flat files in 150 for student drawing storage

Lockers on CoA West 2nd floor, 2 students per tall locker, 1 per short

Learning Outcomes

At the end of this course, students will be able to

• *productively deploy full range* ***of design and representation*** *skills learned to date, including strategic use of design filters*

• *effectively* ***collaborate*** *with peers on a full scale design and construction project*

• *use manual* ***woodworking*** *tools, practices and procedures to construct a self-supporting wood structure*

• *bring skills in problem formulation and imagination to a design* ***competition***

Wed lectures (tentative schedule)

01.09 Course Introduction

01.16 Wood construction

01.23 Collaboration + Design Competitions

01.30 Plants in Society + Design Brief

02.06 Conceptual Design Practices

02.13 Design at 3 Scales

02.20 Design for Construction

02.27 Careers in ARCH, BC, ID

03.06 Learning in ARCH, BC, ID

03.12 Studying ARCH, BC, ID

03.27 Design Imagination I

04.03 Design Imagination II

04.10 Design Imagination III

04.17 Full Scale Construction: Lessons Learned

04.24 Strong Student Project Presentations

Studio Project Overview

|  |  |  |  |
| --- | --- | --- | --- |
| 1 wk | 10% | Ex 5 | Visual Narratives |
| 2 wks | 15% | Ex 6 | Woodworking 101 |
| 5 wks | 25% | Ex 7 | Design |
| 5 wks | 30% | Ex 8 | Design and Construction |
| 2 wks | 20% | Ex 9 | Visual Presentation |

Course Requirements and Grading

Grading Criteria

Instructors will provide written comments and grade for each exercise within ten days after the final review. All will be uploaded to T-Square.

**Student work will be graded on the following criteria:**

**- Clarity of thought and procedure**

**- Quality of craft**

**- Respectful engagement**

**The following grading scale will be applied:**

A+ 97-100 Exceptional. A grade of “A” indicates that all exercise

A 94-96

A- 90-93

requirements have been met with exceptional explorations of the larger questions of focus. All procedural skills are evident and executed properly. There are no significant areas of improvement.

B+ 87-89 Proficient. A grade of “B” indicates that all exercise

B 84-86

B- 80-83

requirements have been met with strong explorations of the larger questions of focus. Most procedural skills executed properly. There may be limited areas of needed improvement.

C+ 77-79 Satisfactory. A grade of “C” indicates that all minimum

C 74-76

C- 70-73

requirements have been met. The fundamental skills are evident in the work however, problems exist and improvement is required. Larger questions of focus are minimally explored.

D+ 67-69 Significantly Flawed. A grade of “D” indicates that some, but not

D 64-66

D- 60-63

all, minimum requirements have been met. There are significant problems with procedural skill and execution. Larger questions of focus are minimally explored.

F 0-59 Unsatisfactory. A grade of “F” indicates a failure to meet the exercise requirements and/or follow proper procedures. Larger questions of focus are not explored or engaged.

Regular work habits and participation in class discussions and activities will be crucial to doing well.

All homework is due at the beginning of class on dates noted. Work submitted more than one hour late may be lowered ten points for each hour late. The instructor has the right to refuse to accept work presented after the date it is due.

Final exercise review due dates are non-negotiable. Please mark your calendars with these planned review dates:

R 01.10

T 01.29

R 012.14

R 02.28

R 04.11

T 04.23

R 04.25

Participation in pin-ups and reviews is mandatory. Failure to attend and present at a review may result in a failing grade for that project.

Any grading questions or disputes should be discussed outside of class time with the course instructor in the context of original work being evaluated, and instructor’s written evaluation comments. Unresolved disputes should be discussed further with the instructor and the curriculum coordinator.

HONOR CODE

• Please read the Academic Honor Code at <http://www.catalog.gatech.edu/rules/1.php>

• Make sure you understand the code of conduct it lays out.

• Please let us know if you have any questions.

Attendance

Given the nature of problem-based design inquiry, regular attendance and work patterns are crucial to the production of good work in studio/lab courses such as COA

1012.

In the workshop-like environment of the studio, you will learn as much from your peers

– from their work and their work methods, from their input and observations – as you will from the instructors. Work done in private, or at the last minute, will invariably not stand up to public scrutiny.

Get in the habit of doing your work on a daily basis, at a regular time. Do not succumb

to the temptation of leaving everything to the last minute, or for the night before it is due.

Keeping this in mind, **attendance is required** for all studio and lecture classes and scheduled design reviews. Instructors will keep a written record of your attendance. If you find yourself physically unable to attend class, it is essential that you obtain a professional’s written excuse stating that you are unable to attend class (not simply that you stopped by the health center – this should be done outside of studio hours). Unexcused absences will result in a zero for the day. Upon three unexcused absences from class, instructors will drop a student’s final course grade by ten points.

Coming to class briefly, arriving unprepared for class, leaving early, sleeping, studying for other classes, or spending time socializing with your friends, does not count for attendance. Moreover, it is a waste of everyone's time, including your own. Full engagement in all class activities is required between the start and end times of every class. Tardy arrivals and early departures from class are unacceptable. Instructors will count three instances of such partial attendance as one unexcused absence.

Making up work missed because of absences or tardiness is the responsibility of the student. Students should contact instructor directly to determine due dates for make up work.

If you are involved in an activity for which you are compensated by scholarship funding that may conflict with studio attendance, you should bring that to the attention of your instructor immediately.

Course Calendar

See current course calendar on COA1012 T-Square site. Calendar is tentative and will be updated regularly.

Studio Protocols and Policies

RM150

The design studio must be a place where creative thought, creative effort and the exchange of ideas come together in a positive way. Each student should have the unhindered opportunity to teach and learn in an environment that will provide the best professional development. Relative quiet is needed so that students can concentrate on their design work, and learn from important informal instructor/student dialogue. Room rules must be followed to ensure a professional and creative atmosphere in the studios. Violation may be cause for dismissal from and/or failure of the course.

Desks, drawing surfaces, flat file storage, and lockers, are provided by the College of Architecture for your use. The drawing surfaces are fragile items; please take good care of them. Do not use glue or x-acto knives on the desktops. Glue and knives will

damage the drawing surfaces. Always use a cutting mat; this will keep your cuts

straight. It will also save your blades as well as the surface on which you are doing the cutting.

Each studio is responsible for cleaning up their section and adjacent common areas at the end of each studio session. Section 1’s: the black tops. Section 2’s: the computer tables Section 3’s: the white tops.

Please get in the habit of using the last fifteen minutes of each class putting away work, cleaning and wiping off the desktops, and throwing away any trash that you may have generated. Failure to do so will count the same as a tardy. Leave the desktop and work area clean and clear so that the next student can get to work right away. (Like camping, leave the space cleaner than you found it.) No supplies are to be stored in rm 150.

Store any work in designated storage areas (flat files or shelves marked for student

storage) in studio. Students are to refrain from handling the work of others. Ensure

that no work or supplies remain in the common areas. Any work, or supplies, including cloth portfolios not properly stored after/before studio will be thrown away.

Try and keep charcoal dust from staining the drawing surface. Use a sheet of paper to shield the surface when you are using the desk top for charcoal work.

Since the studio is a place of shared learning, music should not be broadcast in the room. Please use headphones when you are not engaged in the collective learning space. In respect of others, after class time, only audio equipment with personal earphones is permitted in the studios, including evenings and weekends. Non- assignment related cell phone use is prohibited during studio. Phone use must be limited to studio breaks.

In order to protect student work and computer equipment, we ask that you refrain from eating and drinking at the computer tables and at studio desks. Take a brief break instead, and eat and drink in the common areas, being sure to dispose of trash appropriately.

Twenty-four hour access to the studios is provided through the combination lock door off the atrium. If you are the last to leave studio, please make sure both studio doors are locked. The combination for the double doors is 1+3-4-5. [first 1 and 3 together, then 4, then 5]. To maintain the security of the studios do not prop open the exterior

studio door. If you see stranger in the building (s) after normal hours, ask if you can help them or report them to campus security.

Students in studio during their class time have first priority to the studio room and computer.. Other students, whose class is not in session, may not use room 150 while other classes are in session. They are invited to use open computers in 150, or the 3rd floor computer suite. The computers connected to large format scanners are reserved for scanning. When working on image mediation please move to adjacent computers.

ATRIUM

The designated pin-up and review space for the Common First Year is the atrium on the first floor. Additional spaces in the building may be used if they are available and reserved ahead of time by the instructor through the Dean’s office. Each section is responsible for returning the moveable panels as well as the stacking chairs to the area where they are stored after each review. Be sure to pick up all trash (soda cans, paper, etc.) after each review or work session in any of the public areas of the building.

2ND FLOOR

CFY student lockers are located on the 2nd floor of CoA West. All students will share with another student in their fall section. Locker mates will remain together through the spring semester. Be sure to clear your locker out at the end of spring semester; watch for final studio checkout checklist for details.

GENERAL

Use of all aerosol products – spray paint, spray mount, fixative – is strictly prohibited in the studio, in the building, and in the areas immediately adjacent outside. This includes the stairways and the courtyards. Not only does it damage the walls, floors, and equipment from over spray, but using aerosol cans in an unventilated space is a serious health hazard. A spray booth is located in the basement of CoA East, outside the woodshop, for your use.

Pets and bicycles are not allowed in Institute buildings. Smoking, drugs, and alcoholic beverages will not be allowed in the studios. This is an Institute regulation. The Institute authorities will enforce this regulation.

Unfortunately, instances of theft and vandalism have occurred in buildings on campus. Strictest measures will be taken against violators of students’ or Institute property. If names of those involved in acts of theft or vandalism are provided, the CoA and the Campus Police will follow through with appropriate disciplinary and criminal procedures.

CFY Studio Supply List

**drawing supplies**

Sketchbook, 7 x 10, black spiral hardbound, 80 pages

18” roll of tracing paper, buff

18” x 24” drawing pad, clear white, 70lb Wooden sketching pencils (2B, 4B, 6B) Charcoal pencils (negro soft, medium) Compressed charcoal

Kneaded eraser Blending tortillion

Color pencils (set of 12)

4 PITT artist pens, black, sizes .3mm, .5mm, .7mm, 1.5 mm Pentel S520 black sign pen

White vinyl eraser

Tri-­‐hole metal pencil sharpener

**drafting supplies**

36” T-­‐square Drafting dust brush

½” Drafting Tape (not masking tape)

2-­‐2mm lead holder (two different color caps) Lead for lead holders (2H, 4H, 6H, F)

Rotary lead pointer Sandpaper pointer Architecture scale

10” adjustable triangle

6” 30/60 triangle Compass with extension Metal erasing shield

**modeling supplies**

18” x 24” cutting mat

White glue, 8 oz. (Sobo, Elmer’s PVA, etc.) X-­‐Acto #1 precision knife with cap

X-­‐Acto #11 blades, 15 pack

24” non-­‐skid ruler

12” steel cork back ruler

Midwest mitre box and razor saw

**other supplies**

½” push pins (100-­‐count), stainless steel

\*3x5 white index cards, UNruled

\*5x8 white index cards, UNruled

\* one 2-­‐pocket folder with prong fasteners, for assignments Storage Box, tackle box, toolbox, or ArtBin

\*combination lock (to be shared with locker-­‐mate)

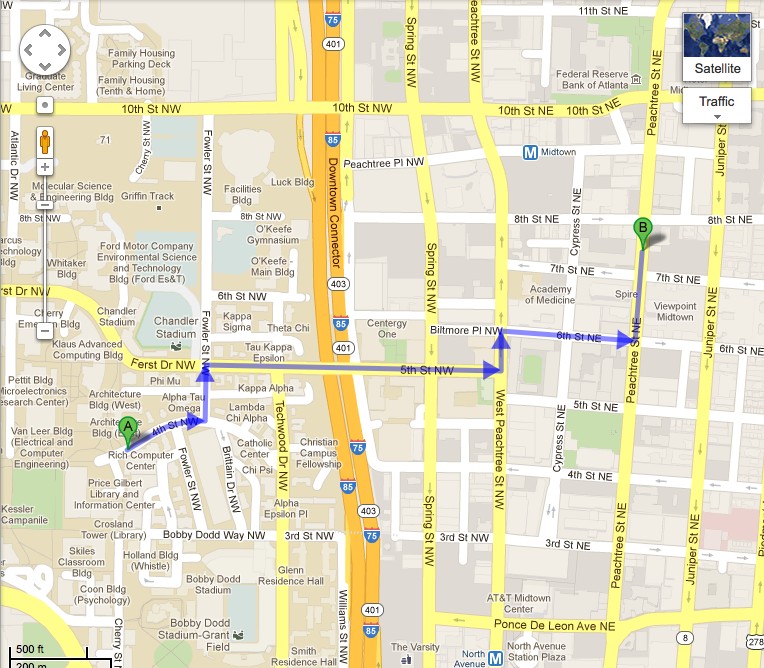
\*bottle of 409 or Simple Green (to be shared with locker-­‐mate)

**during semester**

*Please plan for printing costs and purchasing additional drawing and modeling materials as required throughout*

*the semester.*

**nearby art supply stores**



**Utrecht**

878 Peachtree Street, at the intersection with 7th Street

Hours: M-­‐R 10am – 8pm, F-­‐Su 10am – 7pm

(404) 347-­‐9119 *(tell them you are from the COA)*

**Sam Flax Art & Design Store**

1745 Peachtree St. NE, Atlanta, GA 30309

Hours: M-­‐F 8:30 am -­‐ 7:30 pm,

Sa 10:00 am -­‐ 7:00 pm, Su 11:30 am -­‐ 6:00 pm

(404) 352-­‐7200

**Binders Art Supplies**

3330 Piedmont Rd. Suite 18

Hours: M-­‐F 9am – 8pm, Sa 10am – 7pm, Su 11am – 6pm

(404) 237-­‐6331