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| COA 1011 |  | **syllabus** |
| **Fundamentals of Design and the Built Environment I**  Fall . COA West . rm 150 |  |  |
|  |  |  |



*Welcome to the College of Architecture, and the CFY Design Studio!*

COA 1011 is the first of two design studios in the Common First Year curriculum. It is taken by all undergraduates entering the College of Architecture, including Pre-­‐Architecture and Pre-­‐Industrial Design. This common enrollment facilitates a focus on cross-­‐disciplinary design fundamentals.

The studio curriculum situates itself **in the world**.

Fundamental design concepts are introduced, examined, explored and developed through investigations of the designed and built environment around us. The animating desire is to sponsor and support a curiosity about the world, to provide tools with which to engage it and all its potential complexity, and to develop a deeper understanding of fundamental design through close observation of the physical world it engages.

The sequence of activities crosses multiple scales -­‐ **examining the body, objects and spaces.** Individual assignments provide scaffolds for engaging each at different scales and from multiple points of view: how something is made (conceived and produced), used (consumed and experienced), and re-­‐made (construed and interpreted) are all explored. Analytical design filters facilitate these shifts in perspective, developing precise understandings through: *form|space + composition, assembly + material, use + operation.*

Procedures will focus on **framing inquiry – setting up the ‘problem’ as well as the ‘process’.**

Each exercise introduces and reprises a range of different media and genres of thinking, looking, making, and inquiring. Our goal is to enable students to have a facility in a broad range of conceptual and technical modes and methods as well as the ability to be strategic in their selection and use.

The learning space will be **active, discursive and diverse.**

Given both our pedagogical emphasis on collective learning and the dynamics of the teaching space, the exercises unfold in a wide range of discursive situations: individual, small-­‐group, and collective desk-­‐crits, pin-­‐ups, white board talks, and online commentary. Reflection, concurrent and retrospective, individual and collective, is an integral part of the studio process.

COA1011 Fundamentals of Design and the Built Environment I . College of Architecture . GA Tech . Fall 2013

After successfully completing COA 1011, you should meet the following **learning outcomes**.

**students learn**

*seeing* **1** not simply to **look**, but to **perceive anew**

**2** not simply to gain **knowledge** of the DBLE, but to engage it as a **complex system** which changes over time

*describing* **3** not simply to describe the **obvious,** but to surface the **secret lives** of objects, bodies, and larger situations

**4** not simply to **craft,** but to **make strategically** in response to **inquiry**

**5** not documentation simply to compile **data**, but to recontextualize, reflect, and surface new

**narratives**

**6** not simply to participate in studio **conversation,** but to improve skills in **articulating** issues of the

DBLE and its multiple scales

**7** not simply **tools** for digital + analog descriptions, but to learn limits and means of **translating**

between different descriptions/platforms

**8** not simply skills tied to **one** discipline, but to exploit relationships **between** disciplines and their range of scales

*imagining* **9** not simply to represent ideas born in the **mind,** but to seek discoveries and opportunities that come only through **making**

**10** not simply designing to **solve** a problem, but to constantly interrogate descriptions, to **surface new questions and problems**

**11** not simply processes of **linear,** isolated design, but to fuel the **design feedback** cycle with productive iteration and discourse

**12** not simply to design through **representations,** but to design with full-­‐scale constructed **materials**

**13** not simply to **tolerate** different viewpoints, but to build skills in productive, **collaborative** teamwork

**14** not simply to **train** for a discipline, but to **lead** the emerging disciplines of tomorrow

**15** not simply to **meet** stated expectations, but to exploit resources, feed curiosities and **discover** one's individual drive and passion

**basic information**

COA 1011 is taught in sections.

**curriculum coordinator**

Jihan Sherman

CoA West Room 156 [jihan.sherman@coa.gatech.edu](mailto:jihan.sherman@coa.gatech.edu)

404.894.0838

email for appointment

**CFY director**

Ann Gerondelis

CoA West Room 156 [ann.gerondelis@coa.gatech.edu](mailto:ann.gerondelis@coa.gatech.edu)

404.385.3397

email for appointment

**course website**

https://t-­‐square.gatech.edu/portal

Make sure to check the course T-­‐Square site daily.

**class texts**

Numerous texts will be posted on T-­‐Square site, or linked to the GILibrary Electronic Reserves here https://gil.gatech.edu/. 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**

See CFY Studio Supply List attached to syllabus.

**course resources**

Digital cameras on hourly loan from CoA Library

IPod touch available during class time from studio instructor Computers, scanners, and printers in 150 for CFY students only Flat files in 150 for student drawing storage, 1 student per drawer

Lockers on CoA West 2nd floor, 1 student per ½ locker or 2 students per full locker

**course requirements + grading**

**assignments**

**exercise**

|  |  |  |
| --- | --- | --- |
| **1** | close looking **SKETCHBOOK** | 15% |
| **2** | the body | **PERCEIVING** | 15% |
| **3** | **form | space + composition** | 20% |
| **4** | **assembly + materials** | 15% |
| **5** | **use + operation** | 15% |
| **6** | on **BODY** | 20% |
| **grading criteria** |  | 100% |

All student work will be graded on the following criteria:

**-­‐ Clarity of thought and procedure**

**-­‐ Quality of craft**

**-­‐ Intensity of engagement**

Regular work habits and participation in class discussions and activities are critical. All homework is due at the beginning of class, unless noted otherwise. Work submitted late may be assessed a penalty. The instructor has the right to refuse to accept work presented after the date it is due.

Please note exercise review dates. **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.

Instructors will provide a written evaluation and grade for each exercise within ten days after its final submission. 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.

**grading scale**

A+ 97-­‐100 *Exceptional.* A grade of “A” indicates that all exercise requirements have been met with

A 94-­‐96

A-­‐ 90-­‐93

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 requirements have been met with

B 84-­‐86

B-­‐ 80-­‐83

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 requirements have been met.

C 74-­‐76

C-­‐ 70-­‐73

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 all, minimum

D 64-­‐66

D-­‐ 60-­‐63

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.

**honor code**

Please read the Georgia Tech Academic Honor Code at [http://www.honor.gatech.edu](http://www.honor.gatech.edu/) and make sure you understand the code of conduct it lays out. It applies to all work submitted in this course. You many contact an Honor Advisor at [honor@gatech.edu](mailto:honor@gatech.edu) with 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 1011. 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. Therefore, **attendance is required** for all studio classes and scheduled design reviews. 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 constitute attendance. 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 their 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.

**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.

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 and save you blades. Use a sheet of paper to shield the surface when you are using the desk top for charcoal or other “dirty” work.

Each studio is responsible for cleaning up their section’s area and the adjacent common space at the end of each studio session.

Please get in the habit of using the last five minutes of each class putting away or 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. Store any work in designated storage areas in studio. Students are to refrain from handling the work of others. Ensure that no work or supplies remain on the common bars. Any work, or supplies, including cloth portfolios not properly stored after/before studio will be thrown away.

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 at the computer tables and at studio desks. Take a brief break instead, and eat in the common areas, being sure to dispose of trash appropriately. Drinks are allowed in studio only if they are in a container with a top.

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 a 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 computers in 150. Other students, whose class is not in session, 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 the 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. Each student may reserve one locker for the year.

**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.

**schedule**

\**schedule is subject to change*

|  |  |  |  |
| --- | --- | --- | --- |
|  | **wk** | **t** | **r** |
|  | **01** | introductions  **ex 1 SKETCHBOOK** | **ex 2 BODY** launch  2.1 expand perceptions |
|  | **02** | 2.1 expand perceptions | 2.2 new perceptions |
|  | **03** | 2.2 new perceptions | **ex 2 REVIEW** |
|  | **04** | **ex 3 F|S + C** launch | 3.1 form|space |
|  | **05** | 3.2 compostion | 3.2 composition |
|  | **06** | **ex 1 progress submission** | 3.3 new perceptions |
|  | **07** | 3.3 new perceptions | **ex 3 REVIEW** |
|  | **08** | **ex 4 A + M** launch  4.1 assembly | 4.1 assembly  *10.11 Drop Day* |
|  | **09** | *Fall Break* | 4.2 material |
|  | **10** | 4.3 new perceptions | 4.3 new perceptions |
|  | **11** | **ex 4 REVIEW** | **ex 5 U + O** launch  5.1 use |
|  | **12** | 5.2 operation | 5.3 new perceptions |
|  | **13** | 5.3 new perceptions | **ex 5 REVIEW** |
|  | **14** | **ex 6 on BODY** launch | 6.2 on BODY design |
|  | **15** | **ex 1 final submission**  6.2 on BODY design | *Thanksgiving Break*  *Class Canceled* |
|  | **16** | 6.2 on BODY design | *Last Day of Class*  **ex 6 REVIEW** |
|  | **17** | *no final exam* | |

3.1 form|space

3.2 composition

*Class Canceled*

6.1 design explorations

COA 1011

**Fundamentals of Design and the Built Environment I**

fall. COA West . rm 150

**supply list**

**Bring materials to 2nd studio session**.

Pre-­‐packaged CFY kits are available from Utrecht for COA CFY students for $195. Supplies with an asterisk (\*) are not included in the Utrecht CFY kits and must be purchased separately.

**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**

24” 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**

Storage Box, tackle box, toolbox, or ArtBin

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

**other supplies -­‐ not in kits** (must be purchased separately)

\*3x5 white index cards, UNruled

\*5x8 white index cards, UNruled

\* one 2-­‐pocket folder with prong fasteners, for assignments

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

\*bottle of non-­‐bleach, all-­‐purpose cleaner to maintain desk top (i.e. Simple Green, Green Works, etc.)

**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

**nearby office supply stores**

**Office Depot**

859 Spring Street, at Spring St. and Abercrombie Pl. Atlanta, GA 30308

Hours: M-­‐F 8am – 7pm, Sa 9am – 7pm, Su 12pm – 6pm

(404) 898-­‐1804