

Design Thinking

Course Information

ART5930C (3 credits)
Class # 10492
Section 4F47
M-F 8 am-10 pm (FAC 112)
S 8 am-5 pm (FAC 112)

Instructor

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Graduate Teaching Assistant

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Office hours

By appointment only.
Contact me in class or by e-mail.

COURSE DESCRIPTION

This studio course in Design Thinking is offered as part of the UF Art Education MA curriculum. Design Thinking is not about the elegantly-crafted end product but the process of originating ideas and creative investigation. By its very nature, design thinking is cross-disciplinary, collaborative, iterative, and human-centered. Core concepts involve curiosity, imagination, empathy, and observation. This studio course in design thinking consists of:

- > A set of small exercises;
- > Two larger creative projects, one individual and the other a group activity;
- > A book discussion/response; and
- > A post-class assignment.

To orient ourselves, we will make use of the book *Change by Design*, by Tim Brown, as well as other materials and creative tool kits available online. We will do research, sketching, brainstorming, presentation/critique. The course will involve a couple lectures on design methods and case studies of design thinking in action.

COURSE TOPICS

The major topics include the following. Additional topics will be incorporated as needed, such as content specifically influencing or important to the design or a project/assignment.

- > **INTRODUCTION TO DESIGN THINKING**
(terminology, methods, processes, rapid prototyping exercises)
- > **PROBLEM IDENTIFICATION AND CREATIVE SOLUTIONS**
(problem identification methods, fieldwork, user-centered solutions, personas, contexts, iterative design)
- > **DESIGNER AS CATALYST FOR CHANGE**
(design research, problem identification, iterative design, visualizing/presenting solutions and approaches)
- > **IDEAS & ACTION PROJECTS**, including final presentations
(proposing strategic solutions to problems in context)

TEXT & REFERENCES

- › Tim Brown. Change by Design. Harper Collins Publishers, 2012. **REQUIRED**
- › William Lidwell, Kritina Holden & Jill Butler. Universal Principles of Design, 2003. **RECOMMENDED**
- › IDEO. Human-Centered Design Toolkit: An Open-Source Toolkit To Inspire New Solutions in the Developing World, 2011. **RECOMMENDED**
- › Ellen Lupton. Graphic Design Thinking: Beyond Brainstorming. ISBN: 9781568989792. **RECOMMENDED**

NOTE: Other readings will be provided electronically on Canvas.

REQUIRED SUPPLIES

Access to a computer and a digital camera is required for this course (decent quality camera from a smartphone also works fine). The course lab fees will supply materials needed for brainstorming (notebook, pens, paper, and so on).

NOTE: Additional supplies may be needed depending on your creative projects' needs.

GRADING & EVALUATION

Students will receive a detailed project sheet for each project outlining important dates, learning outcomes and evaluation criteria. Projects are due at the beginning of each class period on the assigned due date. **FAILURE TO MEET DEADLINES WILL AFFECT YOUR GRADE IN THIS CLASS.**

The final grade will result from:

- 25%** Creative Project 1
- 25%** Creative Project 2
- 30%** Exercises (3)
- 20%** Reading response (10%); Post-class assignment (10%); Professionalism*

* Professionalism means that you bring requested supplies to class; complete and bring with you out-of-class assignments, sketches, books and notes; contribute with constructive feedback during critiques and group discussions; prepare to discuss assigned readings; always act professionally, be punctual and meet the project deadlines. Lack of overall professionalism will affect the grade of the section it's in (worth 20%). It will also be evaluated individually for each project.

NOTE: The project grade will result from concept, form, craft, and presentation.

OTHER STRATEGIES FOR SUCCESS

- › **TIMELINESS:** meet all final and intermediate deadlines. Arrive early;
- › **QUALITY/QUANTITY:** exceed the minimum, seek critique;
- › **INNOVATION:** seek difference, not similarity;
- › **COMMUNITY:** collaborate, listen and share.

GRADING SCALE

Grades will be assigned in accordance with University definitions; plus or minus indicate performance relative to the letter grade definition.

A | 100-95 A- | 94-90 B+ | 89-87 B | 86-83 B- | 82-80 C+ | 79-77
C | 76-73 C- | 72-70 D+ | 69-67 D | 66-63 D- | 62-60 E | 59 and lower

PLEASE NOTE: A grade of C- or below will not count toward major requirements.

For more information on uf grading policies log on to:

catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx

ATTENDANCE

Overall good attendance and participation is assumed necessary for the successful completion of the course. Because of the intensive one-week structure of this course it will be a difficult to miss any part of the course. However, you are allowed one unexcused absence from a morning, afternoon, or evening session (not including of a final presentation/critiques). Arriving more than 15 minutes late to class is considered “tardy” and will be considered the same as an absence. Projects are not accepted after the due date without prior approval by the instructor. Active engagement in the small group sessions is also expected. This means listening to the suggestions of other students and offering constructive comments of your own. Excused absences follow university guidelines and may include illness, serious family emergencies, special curricular requirements, military obligation, severe weather conditions, religious holidays and participation in official university activities or court-imposed legal obligations.

University guidelines for excused absences:

catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx

DEADLINES

All deadlines will be announced in class. All projects and exercises are due on the day and time given and will be considered late when critique has begun or after work has been called for. Late work is not accepted. Be sure to present your work on each critique session and show your progress. If you are absent or tardy, it is your responsibility to obtain missed information from another student in the class.

If the reason for lateness falls under the excused absence list, illness or death in the family, there will be no penalty as long as work is completed by the new agreed upon date. But you should always contact me prior to the due date with your explanation.

COMMUNICATION

It is the student’s responsibility to frequently check their Canvas and UFL e-mail, as these are the instructor’s primary methods of reaching students outside of class.

University & School Policies

ABSENCES FOR RELIGIOUS HOLIDAYS

Students will be excused from class or other scheduled academic activity to observe a religious holiday of their faith with prior notification to the instructor. Students shall be permitted a reasonable amount of time to make up the material or activities covered in their absence. Students shall not be penalized due to absence from class or other scheduled academic activity because of religious observances.

12-DAY RULE

Students who participate in athletic or extracurricular activities are permitted to be absent 12 regular class days per semester without penalty. It is the student's responsibility to maintain satisfactory academic performance and attendance.

STUDENTS WITH DISABILITIES

Students requesting classroom accommodations must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then deliver this documentation to the instructor when requesting any accommodation.

Disability office: dso.ufl.edu/drc

HONESTY POLICY

As a result of completing the registration form at the University of Florida, every student has signed the following statement:

"I understand that the University of Florida expects its students to be honest in all of their academic endeavors and understand that my failure to comply with this commitment may result in disciplinary action up to and including expulsion from the University."

The university's policies regarding academic honesty, the honor code, and student conduct related to the honor code will be strictly enforced. Full information regarding the above mentioned policies is available at the following links:

Student Conduct & Honor Code:

dso.ufl.edu/sccr/process/student-conduct-honor-code

DISRUPTIVE BEHAVIOR

Be advised that you can and will be dismissed from class if you engage in disruptive behavior. Students who intentionally act to impair, interfere with, or obstruct the mission, purposes, order, operations, processes, and functions of the University shall be subject to appropriate disciplinary action.

The Dean of Students Office: www.dso.ufl.edu

COUNSELING SERVICES

Resources are available on campus for students who experience personal problems or lack clear career and academic goals, which interfere with their academic performance. Find out more here:

University Counseling Center

ADDRESS: 301 Peabody Hall

PHONE: (352) 392-1575

WEB: counseling.ufl.edu

HEALTH & SAFETY

The School of Art + Art History Safety Manual will be reviewed in class. Students and instructors are responsible for following policy and procedures for making art safely at all time. The entire document is available online: saahhealthandsafety.weebly.com/handbook.html. All students are required to sign and turn in the signature page to the instructor on the first day of class. All users of the studio classrooms are expected to follow studio guidelines at all times. If you have any questions, ask your instructor.

Area rules

All users of the studio classrooms are expected to follow studio guidelines at all times. If you have any questions, ask your instructor.

- › Follow all SA+AH Health and Safety handbook guidelines.
- › Alcohol is not permitted (open or closed containers)
- › No eating or drinking in the lab.
- › Shoes must be worn at all times.
- › Protective equipment must be worn for hazardous work.
- › Do not block aisles, halls or doors with stored items or when working.
This is a violation of fire codes.
- › Do not store anything on the floor. This impedes cleaning & creates a hazard.
- › Do not park bikes in the building.
- › Clean up spills immediately.
- › Take items which do not fit into the trash to the dumpster, follow dumpster guidelines.
- › All users must follow the SA+AH Container Policy (see below).

SA+AH health and safety policy

There are 2 types of labels used in the SA+AH - YELLOW & WHITE. Both labels are found at the red MSDS box and are supplied by the SA+AH. Each is used for a different purpose:

WHITE: All new and or used product in containers (hazardous or what might be perceived as hazardous -i.e. watered down gesso, graphite solutions, satellite containers of solvents, powders, spray paints, fixatives, oils, solvents, etc...) must be labeled within the SA+AH to identify their contents. Labels can be found at the MSDS box in each studio and work area. All containers must be marked with your name, contents and date opened. All secondary/satellite containers for hazardous materials must be marked with content, your name and the date opened. All unmarked containers will be disposed of with no notice.

YELLOW: When hazardous items are designated as waste. All containers must have a yellow label identifying the contents that are designated as trash for weekly EHS pick up.

- › Flammable solid containers (red flip top) must have a yellow hazardous waste label on the outside.
- › 5-gallon jugs must have a yellow hazardous waste label on the outside.
- › Fibrous containers must have a yellow hazardous waste label on the outside.
- › Each item in the blue bin must have a yellow hazardous waste label.

NOTE: Hazardous Waste labels should include all constituents in the waste mixture as well as an approximate percentage of the total for that item and must add up to 100%. Labels should also include the Bldg & room # of the shop generating the waste along with the Waste Manager for your area; this is located on the SWMA sign posted at the sink or at the Waste Management Area.