

SPRING 2019 - ART 3807C / ZOO 4926 (3 credits)

Studiolab: Linking Art & Science, University of Florida

Meeting Times: Mondays and Wednesdays periods 8-10 (3-6PM)

Location: FAC B1 (Fine Arts Building C, Room B1).

Blog: <http://thinkinginartandscience2017.blogspot.com>

Co-Taught by:

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Office Hours: Wednesday 6-7PM (or by appointment)



J. MORGAN PUETT

The Honey Bee Museum

Mixed media 30' X 40' 2013

Installation view of The Big Island Bee Museum and Store Project layered with history, biology, botany, entomology, economy, sociology, and ecology and most importantly love, culminating in a scorched and beeswax drenched interior installation that includes the story of the bee and four generations of the Puett family business.

CANVAS e-learning will be utilized for this course and will include: updated weekly calendar (with due dates, special events and critique schedule), announcements, readings, and blog, sketchbook/lab book and project assignments. Please check this site daily (before each class) for supplementary resources. <https://lss.at.ufl.edu/>

COURSE DESCRIPTION:

This is a 3-credit interdisciplinary course that combines art and science. The course will involve exploring how we can introduce concepts, processes, and knowledge from the sciences and apply them to the creation of art; and how we can introduce concepts, processes and knowledge from the arts and apply them to scientific research. Approximately one hour of classroom time per week will focus on student-led discussions of topics and assigned readings, but will also include presentations and discussions by scholars that specialize in combining science and art. Each student will be asked to lead and present weekly discussions 1-2 times over the course of the semester. Students will also be expected to complete weekly readings, and participate in the blog discussion as outlined below. The remaining time each week will focus on the development of works that combine elements of both art and science by teams of students. Teams of art and science students will be expected to complete 2 projects for the course. In developing and completing these projects, students will be asked to present their ideas/work and take part in formal critiques. The course will culminate in a public exhibition of the works. Finally, this course will include exercises and activities to foster creativity and better understand each discipline by engaging with scientists and artists. Throughout the course, students will be asked to document their work/methodology/process by keeping Studiolab drawing/field notebooks.

COURSE LEARNING OBJECTIVES:

- To better appreciate the values and practices of artists and scientists.
- To more effectively communicate ideas and research in art and/or science.
- To develop strategies/practices for effective interdisciplinary collaboration, including giving and taking constructive criticism in a group setting.
- To create collaborative works that combine elements of art and science, and successfully link concept, intent, and form.
- To engage in and critically examine all elements of the creative process in art and science, including ideation, experimentation, and communication.
- To develop new methodologies, lines of inquiry or strategies to inform, build upon or challenge your own creative/scientific research and practice in art and/or science.
- To become familiar with artists and scientists that combine the two disciplines in different ways.

ASSIGNMENTS:

- **Attendance and participation** in class discussions and lectures, including those by visiting artists and scientists. Participation in student-led presentations. (A weekly schedule will be posted on CANVAS).
- **Collaborative Projects (2):** Presentation dates will be posted on CANVAS calendar.
- **Research Presentations:** Presentation dates will be posted on CANVAS calendar.
- **Drawing book/Lab book:** Maintaining sketchbooks/lab books is a required part of the course. These books will be checked and graded three times during the semester (due dates will be posted on CANVAS). You will be graded on the depth and breadth of your research, and the exploration and documentation of your process. The importance of drawing and note making will be stressed. Sketchbooks should include the following:

Documentation, Process and Methodology: The purpose of the sketchbook is to facilitate and document your individual process of discovery throughout all aspects of the course (i.e., your research). Thus, the sketchbook should include drawings, diagrams, photos, writings, etc. that reflect your process of investigation. In particular, data collection and research related to your individual projects should be included in your sketchbooks across all phases of these projects. How you make what you make, your process, techniques, material choices, and insights are part of the meaning of the final work. Be constantly aware of these processes and make notes on your internal/external methodology on a daily basis.

Course Blog: Students are expected to contribute course content, responses to the readings (see below), relevant intellectual musings, and practical examples of artists' and scientists' work by way of course blog: <http://thinkinginartandscience2017.blogspot.com>

Required Readings: There will be required readings assigned throughout the semester. Prior to discussion of readings each week, students are expected to develop and post a response to the readings on the course blog. Blog entries related to the readings may include thoughts on the readings and other students' responses to them, and relevant supplementary content you wish to share. Students are expected to complete the readings, create a blog response, and prepare for discussion, prior to each class period.

Course Outline and Calendar will be posted online on CANVAS. Please make sure to check CANVAS regularly (the day before each class) for updates to course schedule, and for assignments and readings. The schedule is subject to change.

ATTENDANCE POLICY: Attendance is required at all classes, lectures, critiques, and field trips. Attendance will be figured in to participation grades.

GRADING:

ATTENDANCE and PARTICIPATION (30%)

Attendance is required, and will be considered in your final participation grade. Attendance will be taken at the beginning of each class period. In addition, we will give credit for attendance at any extra visiting artist/scholar lectures and will note lateness and or/being unprepared.

Responses to readings and participation on course blog 10%

Participation in class discussions on readings, and engagement with visiting artists and scientists, including excellent attendance in both seminar and extra visiting artist/scholar lectures. 20%

COLLABORATIVE PROJECTS, RESEARCH PRESENTATIONS and SKETCHBOOK (70%)

Attendance at all Studiolab and related outside lectures is required. Attendance, preparedness and Studiolab practice will be noted and credited toward the final participation grade.

Participation and Preparedness in collaborations and Studiolab discussions, critiques and course activities + excellent studio practice

(being prepared with all necessary materials on hand to work during the studiolab class period). 10%

Project Presentations 10%

Collaborative Projects 40%

Documentation/Process/Methodology in StudioLab Sketchbooks 10%

Specific criteria for grading of projects will be listed on each assignment sheet (and posted on CANVAS) but the following will generally apply when evaluating projects and assignments:

Evaluations/Grading of projects:

- A 4.0 Exceptional work, all criteria of assignment have been surpassed in a distinguished manner and solutions to problems presented exhibit a depth of understanding. In addition, student is engaged in **exceptional studiolab practice**, which includes active research and discussion on the work of relevant artists and scientists and other course topics. The student is thoroughly engaged in the course content.
- A- 3.67 Well-presented, superior work, all criteria of assignment were surpassed in a distinguished manner (including exceptional studiolab practice as described above). Minimal improvements could be made to the project overall.
- B+ 3.33 Very good work. All criteria of assignment were surpassed, and studiolab practice was exceptional.
- B 3.0 Very good work, above average understanding and clear potential. Most criteria of assignment were surpassed with some improvements to be made. Studiolab practice during the project was commendable.
- B- 2.67 Good work, most criteria of assignments were met. Work showed promise with a few significant improvements to be made. Studiolab practice was commendable.
- C+ 2.33 Adequate, average, work, meeting most of the criteria of the assignment. Studiolab practice could be improved.
- C 2.0 Adequate, average, work meeting most of the assignment criteria with areas needing significant improvement. Poor studiolab practice overall.
- C- 1.67 Adequate, average work. Project meets some criteria but falls below the expectations of the assignment, partially as a result of poor studiolab practice.
- D+ 1.33 Barely meets the criteria, poor or unfinished work, reflecting poor studiolab practice.
- D 1.0 Barely meets the criteria, extremely poor or unfinished work, reflecting unacceptable studiolab practice. Work shows limited understanding and/or effort.
- D- .67 Extremely poor or unfinished work, accompanied by unacceptable studiolab practice.

- F 0.0 Failure to meet all criteria of assignment accompanied by unacceptable studio/lab practice. Unresolved work, incomplete and not meeting minimum requirements. Work shows a lack of understanding and/or effort. Quality of project or performance is not acceptable.

GRADING SCALE:

Link to UF grading policies: <http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html>

GRADING FORMAT IS:

Letter Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E	WF	I	NG	S-U
Grade Points	4.0	3.67	3.33	3.0	2.67	2.33	2.0	1.67	1.33	1.0	.67	0	0	0	0	0

TEXTS:

There are no required texts for this course, however select readings will be assigned as needed and made available on CANVAS.

COURSE BIBLIOGRAPHY:

The following texts will inform course content along with additional readings related to visiting speakers and individual research.

Signs of Life: Bio Art and Beyond, edited by Eduardo Kac

Art + Science Now, by Stephen Wilson

To Life! Eco Art in Pursuit of a Sustainable Planet by Linda Weintraub

Art in the Anthropocene: Encounters Among Aesthetics, Politics, Environments and Epistemologies

Art and Science, by Eliane Strosberg

See Yourself Sensing: Redefining Human Perception, by Madeline Schwartzman

Ecovention: Current Art to Transform Ecologies, by Sue Spaid

Hyperobjects: Philosophy and Ecology after the End of the World, by Timothy Morton

Materiality (Whitechapel: Documents of Contemporary Art,) by Petra Lange-Berndt

Systems (Whitechapel: Documents of Contemporary Art), by Edward A. Shanken

The Creative Habit, by Twyla Tharp

Creative Confidence: Unleashing the Creative Potential Within Us All, by Tom Kelley and David Kelley

Leonardo Journal of Art, Science and Technology, MIT Press + online at <http://www.leonardo.info>

UNIVERSITY AND SA+AH RESOURCES AND POLICIES:

GENERAL UNIVERSITY POLICIES AND SERVICES: <http://www.dso.ufl.edu/>

ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES:

Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation. Disability Office — <http://www.dso.ufl.edu/drc/>

UNIVERSITY COUNSELING SERVICES:

352-392-1575 <http://www.counsel.ufl.edu/>

The UF Counseling Center offers counseling and therapy to help students confront personal, academic, and career concerns.

STUDENT HEALTHCARE CENTER:

<http://shcc.ufl.edu/>

For medical emergencies call 911.

352-392-1161 for urgent after-hours care.

352-392-1171 for after-hours mental health assistance.

SAFETY AND SECURITY:

In an emergency call 911.

University Police Department — <http://police.ufl.edu/> 352-392-1111.

**Please enter this important info into your phone!

STUDENT NIGHTTIME AUXILIARY PATROL (SNAP):

SNAP provides nightly escorts anywhere on campus to persons on request. The service is staffed by students, equipped and supervised by the university police department. Escorts are routed on foot and driven trips. A person requesting an escort may contact SNAP via telephone at 392-SNAP (92-7627). The requester provides their first name, location of pick-up and destination to the dispatcher who determines the best method of meeting the requester's need. A walking or driving escort is dispatched, to their location.

FACILITIES - POLICIES AND SECURITY: Security and emergency phone numbers will be posted in the space. In case of a **true emergency**, students should call 911. Supervising graduate student assistants (GTAs) will be responsible for calling 911 in the case of a serious emergency, reporting suspicious activity to non-emergency UF police dispatch (352) 392-1111, and upholding policies related to student behavior and safety.

- In case of a minor injury, a first aid kit is mounted in each bathroom and another in the shared portion of tool closet.
- All minor injuries should be treated at UF infirmary or the individual's doctor immediately after the incident.

PLEASE COMPLY WITH THE FOLLOWING GENERAL POLICIES:

1. In common consideration for others, please clean up after yourself, respect property by not using or damaging others' materials without permission, and take care around others' projects.
2. Unwieldy materials cannot be stored where they may present a problem or hazard to other students.
3. Use of power tools will require faculty permission and tools must be checked out before use. Power saws should only be used during regularly scheduled class – not during open studio hours. You will be held accountable to replace tools that are lost or damaged due to negligence. An equipment demonstration will be provided and all students will be expected to wear eye protection and closed-toe shoes when working with tools and sharp materials.
4. No thinners, spray adhesives or spray paint may be used inside the building. You must use these types of materials outside in our designated area, with a tarp to protect the concrete.
5. Custodians are not responsible for removing trash or your project materials and scraps. Please make arrangements to do so, and note that lumber can be recycled.
6. Please do not eat in the studio environment.

SCULPTURE AREA RULES: All users of the studio classrooms are expected to follow studio area rules at all times. If you have any questions, ask your instructor.

- Follow all SA+AH Health and Safety handbook guidelines (the handbook should be reviewed by your instructor and can be found at: www.arts.ufl.edu/art/healthandsafety)
- Follow the SA+AH Satellite Waste Management Chart in the classroom and other health & safety guidelines posted for your media.
- In case of emergency, call campus police at 392-1111
- File an incident report (forms may be found in the SAAH H&S handbook, the SAAH faculty handbook and in the main office.)
- Turn completed forms into the SAAH Director of Operations within 48 hours of the event.
- Get permission from shop supervisor before beginning work
- Sign in to use the wood shop
- Eye protection must be worn when using any power tools
- Long hair must be tied back
- Hearing protection is available
- Familiarize yourself with the closest eyewash unit
- Shirt tails must be tucked in and loose sleeves rolled up
- Shoes must cover toes
- No loose jewelry allowed in the shop areas
- Clean up your mess
- Students are prohibited from taking home any SA+AH property
- All painting and sanding must be done in the courtyard when weather permits.
- Newspaper or plastic must be used to protect table and floor surfaces from paint, glue and plaster
- Students are prohibited from storing materials or projects in the wood or metal shops
- Do not use stationary equipment to cut painted, recycled or pressure treated lumber
- Dust off tools, tables and sweep the floor when finished using wood tools
- Scrap material must be disposed of immediately
- Tools and shop equipment must be put away in its proper place
- The table saw, jointer and planer are to be used only under the supervision of Brad Smith and any unauthorized usage will result in expulsion from the shops.
- No food or drink in the shops
- Only students enrolled in current SA+AH courses who have attended the orientations may use the shops. No visitors while you work.
- Store all flammables in the flammable cabinet. Keep flammable cabinet closed at all times.
- First aid kits are found in each studio. Notify your instructor if supplies are low.
- Locate the nearest eyewash unit and familiarize yourself with its functions.
- Report any safety issues IMMEDIATELY to your instructor.
- All courses must engage in an end of the semester clean up.
- Follow the SA+AH CONTAINER POLICY (see policy below)
- There are 2 types of labels used in the SA+AH-- yellow and white. Both labels are found at the red MSDS box and are supplied by the SA+AH. Each is used for a different purpose.

SAAH HEALTH & SAFETY PROGRAM - HAZARDOUS WASTE SATELLITE ACCUMULATION:

Please make yourself familiar with the SAAH Health and Safety Program at:

<http://www.arts.ufl.edu/art/healthandsafety> during the first week of class. Refer especially to the H&S Rules by Area sections pertaining to Sculpture and Drawing/ Painting. Each student will be asked to complete an **H&S student waiver form** (which will be given to you and signed during studio).

When in doubt about the safety or disposal of your art materials, please speak with faculty. A Handbook of Hazardous Wastes Disposal, Health and Safety will be posted at the studio for consultation as well.

GUIDELINES FOR USE OF CAMPUS FACILITIES AND GROUNDS:

Please make every effort to maintain the facilities and grounds of the School of Art and Art History, the College of Fine Arts and The University of Florida. Specifically, we ask that you follow these guidelines:

1. Do not mark, paint on or deface any interior or exterior of the school or college facilities. Take care to always use protective tarps, drop cloths or masking material when working with paint media or similar materials to protect the floors in public spaces such as hallways and classrooms. That applies also to the sidewalks, walls, and grounds.
2. If a special project requires temporary modification to a wall surface or to the grounds you must obtain specific permission from your instructor prior to undertaking the project. The site must be returned to its original condition immediately following the project unless prior written permission has been obtained from the School of Art and Art History.
3. No Art project may interfere with or impede access to, classrooms, hallways or other public spaces.
4. All site-specific art projects must be installed and engineered with the safety of the general public in mind.
5. Grades will not be issued for the project, or the class, until the project has been completely removed, and the site has been restored to its original condition.

Failure to comply with these rules will result in disciplinary action, withholding of grades, the possible lowering of a grade, or failure of the course.

GUIDELINES FOR WORK IN THE SURROUNDING COMMUNITY:

Proper care should be taken in order to assure all property in the surrounding area is respected and well maintained, and projects should be executed with public health and safety in mind. Vandalism of any kind will not be tolerated. As on campus, students doing site-specific work off-campus will be legally and financially accountable for any illegal or destructive actions. In addition, projects involving the greater community should be carefully considered and faculty must be consulted throughout. All public projects must be cleared by faculty and permission granted. Remember, that the School of Art and Art History at The University of Florida retains the power to require a more appropriate solution to any project that may violate any of the guidelines outlined above. Please do not litter or leave materials out in the area. Respect property, surrounding businesses and the rights of individuals in the community. **Failure to comply with these rules will result in disciplinary action, withholding of grades, the possible lowering of a grade, or failure of the course.**

DRUG-FREE SCHOOL & WORKPLACE AND CLEAN INDOOR AIR ACT:

Studiolab is committed to upholding the policies set forth by the University of Florida in regards to drug and alcohol use and smoking in educational facilities. Possession and use of drugs or alcoholic beverages are not allowed in the classroom or outdoor areas. In addition, The Florida Clean Indoor Air Act of 1992 prohibits smoking in educational facilities. Violation of university policies and applicable laws is grounds for disciplinary action up to and including expulsion and does not preclude the possibility of criminal charges.

ACADEMIC HONESTY POLICY:

The course will follow the University's honesty policy found on-line at: <http://www.dso.ufl.edu/stg/>.

Work should be your own and must be created specifically for this class. In other words, "no double dipping" by submitting projects to multiple classes.