

MWF 8:30-10:20  
ROOM # 116/117

Required Text: Available at Professional Image:  
“Art 130 Handbook” & “Glass Studio Operations Manual”  
“Beginning Glass Blowing” Ed Schmid, available at UH Bookstore

Instructor: Michelle Jones-Lillie  
Studio #315 728-0097 chelleluvsglass@hotmail.com  
Office Hours 11:00 – 12:00 MWF (by appointment)

Teaching Assistant: Andrea Strong: 206-291-3797  
Studio Manager: Jessi Moore: 360-224-7206  
Material Reimbursement: \$195.00 (payable to the “University of Hawaii”)

## **COURSE DESCRIPTION**

Art 130, is an introduction to the sculptural use of glass through the exploration of the specific qualities of, techniques for, and approaches to this material. This course will emphasize the processes of ideation and creation in translating abstract ideas into three-dimensional forms. In addition, slide presentations, technical lectures and practical demonstrations will cover the practice and history of glassmaking from its earliest beginnings until the present day. Studio projects will familiarize each student with both the “hot” and “cold” processes of manipulating glass, including: blowing, solid forming, slumping, fusing, laminating, sandblasting, cutting, grinding and polishing.

## **I. REQUIREMENTS:**

### **1. Projects:**

There will be three studio projects that survey the major approaches to the sculptural use of glass. Each project is described in detail in the attached handout, and will be further discussed during a slide lecture at the appropriate time. All projects must be “Gallery Ready” and presented in a professional manner by the required due date. Late projects will lose one full letter grade for each class period missed. The projects will cover the following areas:

1. Blown/non-blown Organic Abstraction
2. Fabricated Sheet Glass Environment
3. Site Specific Sculpture Trail

### **2. Assignment:**

There will be one blown or hot-formed assignment known as the “Best Ten,” which is described in the attached handout. This assignment is given one-half the grade weight of a project.

### **3. Sketchbook/Journal:**

Your sketchbook is the primary tool for recording and communicating your project ideas to me. The sketches will be used as a resource tool in the creation and execution of the projects, and you are required to maintain and develop this sketchbook throughout the semester. The sketches may be done in a variety of materials and techniques; pencil, charcoal, ink, and by contour, collage, or computer graphics. Any other ingenious approaches to communicating an idea are encouraged and may be pursued.

### **Journal:**

The journal portion should be devoted to taking notes during practical demonstrations and slide lectures. Sketchbooks/Journals are an **integral** part of the course, and will be graded along with your projects for: organization, evidence of thoughtful process, accuracy and completeness of lecture/demonstration notes. Your sketchbook/journal will be reviewed regularly; therefore you must bring it to each class meeting.

**4. Attendance:**

Consistent attendance is mandatory. Attendance will be taken during the first ten minutes of each class by “signing in” – you are responsible for signing in. After the first ten minutes but not more than thirty minutes late you will be counted tardy; three tardies equal one absence. Three unexcused absences equal a drop of one full letter grade in your final course grade. Four to five unexcused absences equal a drop of two letter grades. Six or more unexcused absences equal automatic failure of the course. Only signed, written medical excuses are acceptable, or equivalent written documentation for personal circumstances.

**5. Final Comprehensive Test:**

There will be one open sketchbook/journal test at the end of the semester. This is a comprehensive test and will cover the practical, technical demonstrations, slide lectures, technical lectures, assigned readings and studio projects. Keeping an extensive sketchbook/journal during class meetings will insure that you do well on this test.

**6. Grading:**

Grades are based on the successful completion of all the required studio projects, “Best 10” assignment, sketchbook/journal, final test, and attendance. Outstanding grades are the cumulative result of consistent hard work and dedication to all of these requirements. Like any studio class, this requires hard work. It is expected that students will spend an average nine hours per week outside of class time for an average grade, up to twenty hours per week for an excellent grade. An average grade is denoted as a “C”.

The breakdown of your final grade is as follows:

3 Projects	=	75%
1 Assignment	=	12.5%
<u>1 Test</u>	=	<u>12.5%</u>
Total	=	100%

**7. Glass blowing Schedule/Lab time:**

You will be guaranteed a maximum of four hours of blowing time per week outside of class time. An additional four hours will be spent assisting a fellow student in the “buddy system.” It is required, during this beginning semester that you work with an assistant. This is partly for safety, but also you can accomplish much more with good help than you can alone, and for most people, working with someone is more fun. During this semester it is not only important that you become a good beginning glass blower, but also begin to learn how to be a competent assistant. The blowing schedule will be determined by drawing numbered lots at the end of the third week of the semester (check your class calendar). Additional shop hours will be made available on Saturdays providing you participate in the “Weekly Shop Cleanup” held every Saturday at 12 pm. We strongly encourage you to attend Saturday cleanup (even if you don’t want extra blowing time) because with many hands, the cleanup goes more quickly, and because it is a good way to familiarize yourself with the the equipment available in the hot shop and cold shops, and to get to know students at the more advanced levels. If you cannot attend this cleanup time, but require additional blowing time on Saturday, or need to use the cold shop on the weekends, you must contact me or the T.A. one week in advance to perform the necessary cleaning task. The hot shop and cold shop are open from 5 am to 11 pm Monday to Friday – Saturday access will only be made available to those Art 130 students who attend Saturday Clean Up at Noon. Access to the cold shop only on Sunday if you attended shop clean up. The hot shop is closed on Sunday.

**8. Blowing Slot Responsibilities:**

Sign in on weekly blowing schedule (on cold shop door) prior to using your blowing time.

Fifteen minutes prior to the end of your blowing time:

Sweep up your third of the shop

- Put your tools away
- Turn off your glory hole (and the other holes, if not in use-ASK!)
- Sort out recycle glass
- Shower, if you need it!

Failure to maintain these responsibilities will result in the forfeiture of your blowing slot. Blowing slots will be reassigned if they are not utilized

### **9. Batching & Charging Schedule AKA “Hellweek”:**

You are required to assist in the preparation of the glass cullet for furnace charging for one week (Monday- Saturday) during the semester. The batching crew will be composed of at least three students, from both the Beginning and the Advanced classes.

One week prior to your week of service, the studio manager, **Jessi Moore** will call or email to contact you to arrange a meeting time to review the steps involved in preparing the glass to charge. Preparing this charge entails segregating clear glass cullet from colored glass scrap and measuring it into 50 pound lots; 1 bucket = 50 pounds. You are responsible for preparing at least 50 pounds of glass by Tuesday, and another 50# by Thursday or as needed to be determined by the studio manager **Jessi Moore**. You are also required to charge the furnace at least twice, (on 2 separate days, 2 to 3 charges per day) during your week of duty. If you are unable to physically lift approximately 35 pounds with both hands to waist level please contact me immediately. Failure to fulfill the duties assigned to you by the studio manager during your week of duty will result in the forfeiture of your blowing slot for the remainder of the semester and a one full final letter grade deduction.

### **9A Studio Equipment:**

Breakage, damage or, loss of glass studio tools and equipment shall be the responsibility of the person using it. If it is determined that the cause of breakage is flagrant misuse or failure to follow written instructions or instructions given during regular class demonstrations and not a result of normal wear or defect you shall be held accountable and charged the dollar amount to repair or replace the equipment. Please report the damage or loss to me or the studio manager immediately and avoid discrepancies that easily lead to this determination. In other words, if you take responsibility for breaking the tool you may not be charged for replacing it. Broken equipment should be disabled immediately and a sign posted to prevent some one from injuring themselves.

### **10. Studio Meetings:**

Studio meetings will be held on Saturday at 1pm 3 times per semester to review studio operations, blowing schedules, reassign glass blowing time, equipment usage, safety issues, and organizational planning. Attendance at these meetings is required.

### **11. Safety:\***

AT ALL TIMES respect the safety of others while on the blowing floor and while operating cold shop equipment. The blowing floor is reserved for those students in glass with scheduled blowing times and their assistants. Do not cut across the blowing floor, or in front of other blowers, to access the cold shop or the back walkway. Not only is this very dangerous, but it is also very distracting to those actively engaged in using their blowing time. If you are uncertain about the safe operation of ANY piece of equipment, any tool, or any of our supplies, ASK FOR ASSISTANCE! Report all problems with the glass studio and its operation to the Art 130 TA and/or Jessi Moore or me. **Failure to wear the correct safety equipment and protective gear in the studio will result in your dismissal from the course.**

#### **a. Clothing:\***

AT ALL TIMES when on the hot shop or cold shop floor, you must wear covered toed shoes, long pants, non-synthetic fabrics and proper approved eye protection. No excessively loose fitting clothing or high heels are allowed. No tank tops, exposed midriffs, exposed shins, or open heeled shoes. If you have any questions about clothing, please ask. **Failure to where the correct safety equipment and protective gear in the studio will result in your dismissal from the course.**

#### **b. Protective Gear:\***

Safety glasses are required AT ALL TIMES in the hot shop and blowing floor. Face shields, hearing protection and aprons are needed as specified in the cold shop. Particle masks and face shields are needed for batching, and particle masks for sweeping up. Contact Aura Lens at <auralens.com> for specialize safety blowing glasses.

**\*Failure to follow the safety regulations AT ALL TIMES for the glass studio hot and cold shops will result in your automatic dismissal from the course.**

**c. Emergencies:**

- Contact campus security at 6-6911
- Seek medical attention at Campus Health Center

**12. Materials and Supplies:**

Your materials reimbursement goes toward the purchase of expendable items/materials which you will use this semester, such as the Spectrum System 96 Cullet we melt in our furnaces, sanding and polishing belts, grinding grits, diamond drill bits, blades and burrs, fluxes, glass colorants, abrasive blast grit, etc.

**You are required to purchase the following list of supplies in order to complete your projects.** Many of these items are available at the U.H. Bookstore, City Mill and/or Ace Hardware (both in Kaimuki).

- Sunglasses (medium-tinted Polarized lenses are OK to start with)\*  
Aura Lens at <auralens.com> for specialized safety blowing glasses
- Sketchbook/Journal (no lines)
- Masking tape (1" and 2")
- Razor knife (X-acto type)
- Glass cleaner
- Grease pencils,
- Dust mask, for airborne particles\*\*
- Kevlar arm protection sleeve (available at the Bookstore)
- Adhesives (silicone, epoxy and/or UV types)
- Toothpicks, barbecue skewers
- Glass cutters
- Color bar and frit (available at the Bookstore – optional!!)
- leather gloves, acquisition of various handtools is encouraged, screwdrivers, wrenches, pliers etc.

\*Calabar D green or gray safety lenses are most effective in filtering out the dangerous infrared and ultraviolet radiation produced by our furnaces, and protecting your eyes from flying shards of glass – however, they are expensive. Contact Aura Lens at <auralens.com> for specialize safety blowing glasses.

\*\*Continued exposure to airborne dust and fumes is detrimental to your health. You are well advised to purchase a good respirator now (and wear it!), especially if you plan to continue taking studio courses.

**II. General Shop Rules:****1. Safety: Hot shop and Blowing Floor**

- No combustible materials to be placed in pipe or recycle barrels
- No erratic or dangerous motions on the blowing floor
- No through traffic interference on the blowing floor; this space is reserved for those students with scheduled blowing times, and their assistants. Do Not cut across hot shop floor
- CLEAN UP YOUR AREA OF THE SHOP!! Sweep underneath glory holes, benches, marvers, and outside courtyard. Remove all old newspaper and chips of glass, and return tools to the tool rack
- Wear safety glasses, covered toed shoes, non-synthetic fibers and long pants AT ALL TIMES while on the blowing floor
- ASK FOR ASSISTANCE if you have any questions concerning the proper use of equipment, tools or supplies

**2. Cold Shop and Work Tables**

- Follow safety requirements and equipment instructions as specified for each machine
- Do not use any piece of machinery, tool, or device for which you have not been trained
- Wear face shield, hearing protection, covered toed shoes and long pants while using cold shop equipment
- Close all cold shop doors when using diamond saw, to contain the noise
- Clean all machines after use – remove glass shards, debris, etc. and wipe or hose down
- Return tools to their proper space

Art 130 syllabus/ Jones-Lillie

- ASK FOR ASSISTANCE if you have any questions concerning the use of equipment, or if experience unusual difficulty

3. Glory Holes

- DO NOT leave glory holes running unattended. Turn them down for short breaks (15 minutes) or off for longer breaks and when finished. Follow all safety instructions signs for operating the glory holes.  
Do not over fire glory holes.

4. Courtyard

- Work tables should be kept clear for projects in active process. Junk will be removed, without exception, every Saturday Cleanup
- Courtyard should be completely swept by evening blowers
- No plaster of any sort is to be brought into the courtyard, because it causes dangerous contamination of clay supplies for ceramics' classes
- No hosing down of studio or courtyards with out wet vacuuming back into sanitary sewer drain

5. No!

- No Smoking in the glass studio, courtyard area, loading zone
- No Alcohol consumption
- No Spitting and/or chewing of tobacco products
- No Cell phone and pager usage during class time, ringer should be turned "off"
- No Drugs

**EMERGENCIES:** Contact campus security 6-6911  
 Seek medical attention at campus Health Center 6-8956  
 Report all accidents and injuries to me immediately

**\* Failure to abide the written safety rules including the safe use of equipment and use of safety gear, personal body protection and required clothing at all times will result in your immediate dismissal from the course.**

Email

Email has been declared an official means of communicating with students. You may wish to famialarize yourself with the entire eight page policy on line at <<http://www.hawaii.edusvp/ep/e2/e2213.pdf>> Students are responsible for checking their email accounts frequently and consistently to remain current with University communications. You are expected to monitor and manage your email storage quota to insure that your mailboxes are not saturated and are able to receive new messages.

**Notes:**

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.....tear here.....tear here.....tear here.....  
 I have read, understand and will abide by the above requirements as described in the ART 130 Introduction to Glass Course Syllabus for Spring semester 2008.

Signed: \_\_\_\_\_ dated: \_\_\_\_\_

Print Name: \_\_\_\_\_

## Learning Outcomes

**Art 130 Introduction to Glass:**

**Michelle Jones Spring 08**

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- A student who has successfully completed Art 130 will be able to:
- Create basic blown glass sculptural shapes and forms with hot glass decoration including, trailing, Manoa pick up, hot bit additions, handles, body wraps.
- Work safely with a partner and to assist another individual in the hot shop.
- Create basic symmetrical vessel shapes and containers.
- Fabricate and construct with architectural sheet glass and blown glass utilizing cold glass techniques of stacked and hollow lamination and sheet glass cutting with a glass cutter
- Create images on glass via sandblasting and sand carving techniques and flexible shaft engraving with diamond burrs
- Have a basic understanding of and be able to identify historical vessel forms
- Have a basic understanding of glass formulation and coloration
- Have a basic understanding how to safely operate hot glass equipment including the glory hole and Mapp gas torch, trailing machine and optic molds
- Understand how to safely operate glass machinery in the cold shop, belt sanders, lap wheels, drill press with diamond core drills, diamond saw, hand lapping and Foredom flex shaft engraver with diamond burrs.
- Abstract forms from nature and create glass forms inspired by nature
- Convey concepts or ideas in glass sculpture through abstraction, or symbolism, metaphor, narration or illustration.
- Have a basic understanding of how to create, install, and critique works of art intended for being viewed in a gallery situation as well as artwork intended for outdoor site-specific installation.
- Contribute to the daily operation of the glass studio, sorting recycle glass, charging the furnaces, cycling annealing ovens, cleaning the work area, and assist an advanced or graduate student closing the studio.

SPRING 2008

Course: ART 130  
Instructor: Michelle Jones

Supplies Reimbursement Amount: \$195.00

If more than one Glass class is taken concurrently, students pay the higher amount then 50% of the amounts for the additional class(es).

Please give payment to your instructor.

Payable in cash or with a check made out to: **University of Hawaii**

If paying with a check, you will need to:

1. Have your name in the memo if the name on the check is not yours
2. Show a photo id
3. Have a Hawaii address on the check (it can be written on)
4. Have your telephone number on the check (it can be written on)
5. Write your UH student id number on the check

If your check is returned, you will have to pay an additional \$25 and repay this by cash, cashier's check, certified check or money order.

**PAYMENT POLICY:**

Full Payment will be required unless you officially withdraw from the class by **4:00 p.m., January 23, 2008.**

**REFUND POLICY:**

100% refund if you officially withdraw from the class by **4:00 p.m., January 23, 2008.**

50% refund if you officially withdraw from the class **from January 24 to February 4, 2008 by **4:00 p.m..****

0% refund if you officially withdraw from the class **from February 5, 2008.**