

San José State University
Department of Art & Art History
Art 140, Topics in Glass: Blowing and Investment Mold Casting
Section 1, Fall 2017

Course and Contact Information

Instructor:	Cassandra Straubing
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Email:	Cassandra.straubing@sjsu.edu
Office Hours:	Monday 3:00-4:30
Class Days/Time:	Section 1 M/W 12:00-2:50
Classroom:	IS 235
Department Office:	ART 116
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Course Format

Technology contents:

Course materials such as syllabus, handouts, notes, assignment instructions, etc. will be posted on [Canvas Learning Management System course login website](#) at <http://sjsu.instructure.com> . There will also be reading and written assignments submitted through Canvas. You are responsible for regularly checking Canvas, your email and attending class from the beginning of the period to learn of any updates.

Course Description

Art 140 is an introduction to glass working techniques, history and concept. Basic glass blowing, glass casting, and cold working will be taught through a series of hands-on projects. 3 Units.

This course is repeatable up to 9 units.

Course Learning Outcomes (CLO)

The assessment is based on an analysis of student behaviors and products in which they demonstrate how well they have mastered learning outcomes. Upon completion of this course, students will be able to:

- CLO1** Fabricate a cast glass object, utilizing the investment mold process.
- CLO2** Design and blow a glass vessel that responds to the cast glass object.
- CLO3** Cut and polish glass using traditional cold glass techniques to accommodate the contemporary aspects of finishing glasswork.
- CLO4** Discuss contemporary and historical topics of glass and glass art

Upon successful completion of this course, students will be able to:

1. Blow a functional and or non-functional vessel
2. Make an investment mold for glass casting
3. Assemble and present a contemporary glass sculpture
4. Navigate the fundamentals of a glass studio, using proper terminology and efficiency with basic glass equipment

Required Texts, Readings and Materials

Textbook: There is no required textbook for this course, however a very helpful glass blowing manual can be ordered online- *Beginning Glass Blowing* by Edward T. Schmid ISBN # 0-9638728-2-6.

Readings: There will also be glass articles posted on Canvas at various points throughout the semester. A written assignment will follow, to be submitted through Canvas.

Materials:

1. Please arrive each day with the following- wearing closed toed shoes, cotton or natural material clothing. It is extremely important not to wear shorts above the knees, skirts, or synthetic materials when you are working with hot glass. If you do, you will not be allowed to participate, therefore affecting your participation grade.
2. Eye protection- An initial pair of safety glasses will be provided to you at the beginning of the semester. Additional pairs can be purchased from any hardware store. Prescription and regular (UVA and UVB protected) sunglasses will also suffice.
3. Permanent marker
4. Sketchbook
5. Respirator (optional). Dust masks will be provided for your safety; however, a respirator for silica particles is recommended, marked with your name and stored in a container.
6. Glass color for glass blowing. Student color packets will be available for purchase through the guild.
7. Any additional materials for projects (that the school does not provide) will be the responsibility of the student. MSDS sheets are required for all foreign material brought into this studio.

Course Requirements and Assignments

According to University policy, each week students should expect to spend 2 hours of outside work for every hour spent in class. Grade checks will be available upon request throughout the semester.

- Safety Quiz- August 30th
- Vocab Quiz- September 18th (10%)
- Cold working quiz- October 2nd (10%)
- Canvas online, studio assignments and studio participation- (30%)
- **Project #1: Cast glass project** Due November 15th. (20%)
- **Project #2: Blown/hot sculpted vessel.** Due December 4th. (30%)

All glass assignments and projects must have proper engraving on bottom in order to receive credit.

- o **Name, initials, symbol or signature and date/year**

Final Evaluation:

Final Critiques of your two projects will be held on the last day of class. Your scheduled final examination day will consist of a mandatory end of the semester studio clean up. These dates are as follows:

Section #1 Monday, December 18th 7:15-9:30!!!!!!! OMG!

Section #2 Tuesday, December 17th 9:45-12PM

Determination of Grades:

Rubrics: When presented, each project description has a detailed list of what and how the project will be evaluated for a grade. Categories include:

1. Mastery of the glass casting and blowing process and techniques
2. Design execution and creativity
3. Craftsmanship
4. Participation, dedication, and effort

Each category will have a grade weight percentage points associated with it. You will be awarded points for the level of completion your project demonstrates in that category. The points are totaled up and a grade is given based on a 100-point scale.

Late assignments and projects: For every day the assignment is late, the grade for that assignment is dropped by one letter grade. If the project is not installed by the date and time stated for critique, it is considered late and the grade will be docked accordingly.

Make-up policy: There are no make-up's given for missed tests, critiques or class cleanups. This results in a zero as the recorded grade for the missed assignment or participation.

Your semester grade is based on a 1000-point grading scale: You must show progress throughout the semester in order to receive the highest grade possible.

A+ = 100-97%	A = 96-93%	A- = 92-90%
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%
F = 59-0% Unsatisfactory		

In general, it is recommended that students begin by seeking clarification or discussing concerns with their instructor sooner rather than later. This opens up a dialogue to discuss ways of improving the work and/or behavior to enable the highest achievement possible.

Classroom Protocol:

1. This studio is a community that takes everyone to make it run in order for you to make your work.
2. Class participation is based on arriving each day **at the start of class**, as we begin covering materials immediately. You must also stay till the end of class to receive full credit. Full credit includes participation in daily demonstrations, group discussions, in-class assignments and projects, tests, critiques, and studio cleanup's. I expect you to be fully dedicated to your projects throughout the semester. Daily class participation will be recorded at the beginning and/or at the end of each class period based on the effort put into the scheduled class and individual activities. Missing more than five of the participation days within the semester will make it difficult to pass the course. Your participation efforts will be reflected in your project grade weight and the final evaluation of total points accumulated at the end of the semester. But participation is based on # of classes attended Again, attendance per se shall not be used as a criterion for grading according to Academic Policy F-69-24. "Students should attend all meetings of their classes, not only because they are responsible for material discussed therein, but because active participation is frequently essential to

insure maximum benefit for all members of the class.” Complete daily class participation is crucial, due to this course being taught through hands-on experiences. Missed material will be retaught at the discretion of the instructor, due to the time it takes to re-teach the material missed.

3. Safety will be discussed on the first day of class and practiced in the Glass Area at all times throughout the semester. For safety reasons, no one is allowed to work in the glass facilities without a partner, unless the instructor gives permission. Use the buddy system. There is no studio access on school holidays.
4. Cell phone use is not permitted during class. This includes texting, gaming or any social media. You are, however, allowed to use it for photo documenting and research, when permitted.
5. Recording of Class and Public Sharing of Instructor Material requires students to obtain instructor’s permission to record the course. Course material developed by the instructor is the intellectual property of the instructor and cannot be shared publicly without his/her approval. You may not publicly share or upload instructor generated material for this course such as exam questions, lecture notes, or homework solutions without instructor consent.
6. Students are expected to be good citizens and to engage in responsible behaviors that reflect well upon their university, to be civil to one another and to others in the campus community, and to contribute positively to student and university life. California Code of Regulations 41301. Standards for Student Conduct (a) Student Responsibilities. The conduct in this program and especially in this class is held with (and requires!) mutual respect. It is a climate free of arrogance and intimidation. Accountability is to you as the student, each other, and the instructor.

7. Emergency Phone Numbers

Campus police: (408) 924-2222 Dial this first.

Emergency (Police, Fire, Ambulance): 911

Studio technician: Tim Straubing- (408) 930-3957

Understand that there is a potential risk in participating in this class. Understand that the school will do what it can to prevent any health issue or emergency from happening and understand that the school and Glass areas are not reliable for any health and safety issue you might have or acquire. We will learn each piece of machinery as the semester progresses therefore you are not allowed to operate any piece of equipment until the instructor has checked you off on that piece of equipment. The Glass studio and SJSU rules must be followed at all times.

University Policies

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs’ [Syllabus Information web page](http://www.sjsu.edu/gup/syllabusinfo/) at <http://www.sjsu.edu/gup/syllabusinfo/>”

ART 140/Topics in Glass: Blowing and Investment Mold Casting, Fall 2017

Course Schedule

The schedule is subject to change with fair notice on the Canvas web page or announced at the beginning of class.

Week	Date	Topics, Readings, Assignments, Deadlines
1	Wed Aug 23	Orientation Demo: an overview of hot glass
2	Mon Aug 28	Safety Lecture Assign cubbies and lockers to each student Demo Day: hot glass sculpting Vocabulary: Take notes for the Vocab test Blow slot discussion for those students who have previous blowing experience Homework: study for the test

2	W 8-30	Safety test Demo Day: hot glass sculpting Vocabulary: Take notes for the Vocab test
3	M 9-4	Labor Day. Campus closed
3	W 9-6	Demo and practice: Gathering, marvering and blocking glass spheres
4	M 9-11	Practice: Gathering, marvering and blocking glass spheres
4	W 9-13	Demo and practice: hot solid sculpting Assignment: abstract solid hot sculpting Study for vocab quiz
5	M 9-18	Vocab Quiz Work on hot sculpting
5	W 9-20	Work on hot sculpting
6	M 9-25	Introduction to the cold shop: video and vocab sheet Shop Equipment demo.
6	W 9-27	Split into two teams Work on hot sculpting and coldworking
7	M 10-2	Work on hot sculpting and coldworking Homework: study for the quiz
7	W 10-4	Cold shop quiz Demo day: Blown glass bubbles Project introduction: Glass casting and contemporary glass sculpture Homework: Finish cold working
8	M 10-9	Assignment due: Display sketch with glass sculpture Practice: Blowing bubbles Practice: taking molds with clay of objects and textures from around campus
8	W 10-11	Practice: Blowing bubbles Practice: taking molds with clay of objects and textures from around campus
9	M 10-16	Practice: Blowing altered bubbles using gravity and a different rhythm of turning Wax working day
9	W 10-18	Practice: Blowing altered bubbles using gravity and a different rhythm of turning Wax working day
10	M 10-23	Demo: making a punty, transferring and opening bubbles into vessels Assignment: sketch and blow a functional vessel, then cold work to a polish
10	W 10-25	Open Studio: Work on cold working, punty transfers and wax Homework: Waxes must be ready to invest
11	M 10-30	Work on punty transfers Investment mold making day
11	W 11-1	Work on punty transfers Investment mold making day
12	M 11-6	Open studio: Work on blowing, moldmaking and coldworking Kilns firing
12	W 11-8	Assignment due: display sketch with blown vessel Divest molds and clean up Open studio: Work on blowing, moldmaking and coldworking
13	M 11-13	Open studio: Work on blowing, moldmaking and coldworking
13	W 11-15	Open studio: Work on blowing, moldmaking and coldworking Assignment due: turn in your first sample glass casting
14	M 11-20	Open studio: Work on blowing, moldmaking and coldworking Demo: Adhesives

		Last day to make investment molds
14	W 11-22	Thanksgiving holiday. Campus closed.
15	M 11-27	Open studio: Work on blowing, moldmaking and coldworking
15	W 11-29	Finalize sculptures
16	M 12-4	Final Critique: Glass sculpture due
16	W 12-6	HOT GLASS COOK OFF!
17	M 12-11	Final Mandatory Studio Clean up
Finals	#1-12/18 7:15-9:30 #2-12/17 9:45-12PM	Please pick up final projects and grades All Cubbies and lockers must be cleaned out.