

San José State University
Department of Art and Art History
Art 149, Topics in Jewelry and Small Sculpture, Pattern and Moldmaking,
Section 1, Spring 2017

Course and Contact Information

Instructor:	Jackie Baxton
Office Location:	Art Building, room 321
Telephone:	N/A
Email (preferred contact):	Jackie.Baxton@sjsu.edu
Office Hours:	Thursday, 10:00am - 11:45am, or by appointment.
Class Days/Time:	Tuesday and Thursday, 3:00pm - 5:50pm
Classroom:	Art building, room 210
Prerequisites:	Upper division standing or permission of instructor
Department Office:	ART 116
Department Contact:	Website: www.sjsu.edu/art Email: art@sjsu.edu

Canvas & MYSJSU messaging

Course materials such as syllabus, handouts, notes, assignment instructions, etc. can be found on the Canvas learning management system course website. You are responsible for regularly checking with the messaging system through MySJSU and/or Canvas to learn of any updates. Please be sure you update your email address and notification preferences on MySJSU.

Course description

Technical and aesthetic aspects of metalcasting for small-scale sculpture and jewelry. Pattern materials, gating techniques, burnout procedure, vacuum casting, centrifugal casting and finishing. Repeatable for 12 units of credit when topic changes.

Topic: Pattern and Mold Making

This course is an upper-division, graduate and undergraduate studio class that explores the fundamentals of casting for jewelry and small metals. Through completion of projects, students will gain knowledge of pattern making and mold making, casting silver and bronze, and the use of basic tools used in finishing and polishing. Basic techniques such as soldering and patination will also be covered. In-class demonstrations, lectures, and hands-on practice will allow students to develop skills that will expand with each successive project. Students will also be exposed to a variety of casting techniques and learn to choose techniques that will benefit and inform their designs. Group and instructor in-progress critiques will aid in the development of the student's eye for detail and craftsmanship while in-class discussions and individual research will create a critical discourse on the role of jewelry and sculpture in contemporary art. An outline of each project will be provided in class.

Three units.

Learning outcomes

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

- CLO1: Demonstrate safe and correct use of tools and equipment used in direct and centrifugal casting techniques through the successful completion for project 1
- CLO2: Demonstrate safe and correct use of tools and equipment used in moldmaking, wax working, and pattern manipulation through the successful completion of project 2 and 3
- CLO3: Critically apply learned techniques, individual research, and peer evaluations from previous projects to construct a conceptual composition through the successful completion of the final project.
- CLO4: Participate in and contribute to the critical evaluation of finished work and readings through instructor-led class critiques and group discussions.
- CLO5: Demonstrate knowledge of safe operation of equipment and handling of chemicals associated with this class.

Required texts/readings

Textbook (purchase not required)

The Complete Metalsmith: An Illustrated Handbook by Tim McCreight

ISBN-10: 0871922401

ISBN-13: 978-0871922403

A class copy is available for reference in Art 210 during class and lab hours.

Students may purchase a copy at www.Amazon.com or at other book retailers.

Practical Casting: A Studio Reference, Revised Edition by Tim McCreight

ISBN-10: 096159845X

ISBN-13: 978-0961598457

A class copy is available for reference in Art 210 during class and lab hours.

Students may purchase a copy at www.Amazon.com or at other book retailers.

Other readings

Required readings will be uploaded to Canvas as needed.

Other equipment / material requirements

A dedicated sketchbook is required. A small toolbox or tackle box is strongly recommended. Students are required to purchase silver and any materials or supplies that exceed the class allotment such as saw blades, investment, sandpaper, and metal as needed for the completion of projects. Cost will vary from student to student depending on individual needs and current market prices. Students will be given fair warning when outside materials are needed as projects are assigned. Students can expect to spend \$30-\$100 during the course of the semester. A list of vendors will be provided in class.

Library liaison

Rebecca Kohn

Email: Rebecca.Kohn@sjsu.edu

Resource link: <http://libguides.sjsu.edu/artdesignresources>

Our library Liaison is Rebecca Kohn. She can be reached via email at Rebecca.Kohn@sjsu.edu and by phone at (408) 808-2007. Her office is located on the 4th floor of the King Library and she welcomes students to contact her with research questions. Art and Art History Library Resources are available online at: libguides.sjsu.edu/Art. All of the University Library Resources can be accessed at: libguides.sjsu.edu/az.php

Course requirements and assignments

SJSU classes are designed such that in order to be successful, it is expected that students will spend a minimum of forty-five hours for each unit of credit (normally three hours per unit per week), including preparing for class, participating in course activities, completing assignments, and so on. More details about student workload can be found in [University Policy S12-3](http://www.sjsu.edu/senate/docs/S12-3.pdf) at <http://www.sjsu.edu/senate/docs/S12-3.pdf>.

Lab access outside of class

Because specialized equipment is necessary in the completion of class projects, students must be prepared to work outside of class during posted open lab hours. Open lab hours are times in which no class is in session and a trained lab monitor is in charge of opening and overseeing the lab for safety and compliance. You are encouraged to use this time to perfect techniques covered in class, experiment with techniques learned through independent projects, and create extra credit pieces. Open lab is a privilege that is only sustainable through the cooperation of all lab users. Abuse of lab access or rules will result in limiting or closing lab hours.

Responsibilities of lab monitors:

Lab monitors do not teach and are not responsible for cleaning up after you. Lab monitors are volunteers that have been trained in classroom safety and protocol. They are not permitted to train you on equipment. During lab time the lab monitor is there to monitor the lab to ensure safety and compliance. Lab monitors should be notified of any injury or incident immediately in order to maintain health and safety. Broken or missing equipment should also be reported to the lab monitor immediately. Lab monitors may ask you to verify lab use eligibility and reserve the right to ask you to leave due to an infraction of lab protocol.

Making up missed work

It is YOUR responsibility to make arrangements to make up missed demos, acquire notes from missed lectures and to contact me at Jackie.baxton@sjsu.edu with special circumstances regarding attendance and late work.

Contact your peers to keep up to date on any information you may have missed due to an absence.

Peer contacts: Name, Phone number and Email

1. _____
2. _____

If you missed a demo or need my assistance on equipment:

- Email me at Jackie.baxton@sjsu.edu to set up an appointment during office hours or to request an appointment outside of office hours. If you cannot make office hours please include three times you are available to meet.
- You may come to my office hours for drop-in visits however this is first-come first-served and is limited to the time posted.

Open lab hours are not my office hours. You may see me in class from time to time during open lab hours. Unless you have made arrangements ahead of time, this is not a time to ask for assistance. I use this time to set up and prep for upcoming classes as well as maintain equipment. If you need to talk to me do not assume I will be present during open lab hours. Your consideration allows me to maintain the classroom while still offering as much access to the lab as possible.

Assignment outline

project 1: Rings

An introduction to a centrifugal casting method that utilizes Soft wax and hard wax to create two different rings. This introduces you to the material of wax. One ring was be carved out of hard wax and the other one will be sculpted out of soft wax. This project also introduces you to the saw frame and cleaning methods.

CLO1, Due: 2/23/17 - 20%

5% participation

project 2: Plaster mold making: make five cast three

This project you will learn how to take a one-part mold out of plaster. Everyone in the class with receive the same object, you will have to manipulate the wax to create your own object.

CLO1, Due: 4/06/17- 20%

5% participation

Project 3: smooth on/brush on 40

This project will serve as an introduction to two part mold making. Demos include rubber mold making, , and silver soldering and brazing.

CLO2, Due: 5/16/17- 20%

5% participation

Course readings and responses

CLO4, 10%

Hazardous materials and safety test

CLO5, 2/16/17- 5%

Class participation

Participation is assessed as follows:

- Active participation in the critical evaluation of projects through class critiques
- Active participation in class discussions
- Active participation in daily and weekly cleaning duties
- Participation in the end-of-semester cleanup to be held on the scheduled final day

Participation points may be made up through extracurricular activities related to Jewelry and Small Sculpture classes as cleared by instructor.

CLO4, 15%

NOTE that [University policy F69-24](http://www.sjsu.edu/senate/docs/F69-24.pdf) at <http://www.sjsu.edu/senate/docs/F69-24.pdf> states that “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. Attendance per se shall not be used as a criterion for grading.”

Grading Policy

Your final grade will be assessed as follows:

1) Project 1	20%
project participation	5%
2) Project 2	20%
project participation	5%
3) Project 3	20%
project participation	5%
4) Reading and responses	10%
5) Hazardous materials and safety test	5%
6) Class participation	15%

Extra credit

Extra credit is welcome and encouraged in order for you to further explore any of the techniques covered. You may submit up to two extra credit pieces each worth up to 5% for a total not to exceed 10% of your grade.

Late work

Late work will be accepted, however, 10% will be deducted from late work for each week (7 days) it is late.

Grades will be assigned according to University policy from A to F as outlined in the SJSU catalog.

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		

A= Excellent work

B= Above average work

C= Average work

D= Below average work

F= Unsatisfactory work

Note that “All students have the right, within a reasonable time, to know their academic scores, to review their grade-dependent work, and to be provided with explanations for the determination of their course grades.” See [University Policy F13-1](http://www.sjsu.edu/senate/docs/F13-1.pdf) at <http://www.sjsu.edu/senate/docs/F13-1.pdf> for more details.

Classroom Protocol

Students using lab must:

- Be enrolled in Art 47, 147 or 149, unless otherwise cleared by instructor and granted volunteer status

with HR.

- Always abide by general shop safety protocol as outlined in class and posted signs.
- Never operate equipment without being cleared by instructor.
- Never allow a friend or relative not enrolled in one of the classes listed above to use or operate any equipment.
- Never operate any equipment under the influence of medication, illegal substances, or alcohol – none of these substances are allowed in the lab at any time unless I am notified of the medication along with a doctor's note.
- Infraction of this rule will result in loss of lab privileges and possible legal action.
- Always be respectful of lab assistants in charge of open lab hours. If you are asked to stop doing something or asked to leave, do so immediately. Talk to me directly if you feel there was any unfair treatment. You may email me at Jackie.baxton@sjsu.edu and/or come by my office, Art 321 during posted office hours.
- Never cast or use equipment while alone.

Clothing

- Always wear closed-toed shoes during class and lab hours even if you are not operating equipment.
- Keep long hair securely pulled back and remove any dangling jewelry or accessories (such as earbuds) before operating equipment.
- Remove any loose clothing that could get caught up in equipment prior to operation.
- Always wear safety glasses when operating equipment.
- When casting, you are required to have fire resistant clothing on. Avoid synthetic fabrics such as polyester that can flash at low temperatures, resulting in severe burns. Long pants such as jeans are recommended on casting days.
- Failure to comply with the shop clothing protocol will result in loss of lab privileges for the day or until outfit is changed.

Keep your workspace clean!

Mandatory 5-minute daily cleanup

1. Turn main gas and air valves off (located under your workstation).
2. Clean and return tools to station drawer (jeweler's saw, ring clamp, needle files, dividers, bench pin, soldering kit, and Freedom bits).
3. Clean and return glass and/or soldering plate to bench side storage area.
4. Clean and return tools and unused supplies to the appropriate storage bin/cabinet.
5. Sweep floor and table top under and around your workstation.

Clean, sweep, and/or vacuum shared equipment immediately after use.

Weekly cleanup duties

Weekly cleanup duties will be assigned during the second week of class. You will be responsible for a cleanup of your assigned area.

Points will be given for active participation in daily and weekly cleanup duties.

Demos and lectures

You are required to attend all demos and lectures. You will not be allowed to use tools/equipment until I have

checked you off. If you are going to miss a class, it is your responsibility to schedule a makeup demo with me before continuing with the project. This will also affect your participation grade as outlined in the grading rubric. You are required to keep a dedicated notebook for taking notes during these demos and lectures.

Laptops and cell phones

Laptops are allowed for class research only but are not required. **Cell phones must remain off during demos and lectures. Failure to do so will be treated as a missed demo.**

University Policies

General Expectations, Rights and Responsibilities of the Student

As members of the academic community, students accept both the rights and responsibilities incumbent upon all members of the institution. Students are encouraged to familiarize themselves with SJSU's policies and practices pertaining to the procedures to follow if and when questions or concerns about a class arises. See [University Policy S90-5](http://www.sjsu.edu/senate/docs/S90-5.pdf) at <http://www.sjsu.edu/senate/docs/S90-5.pdf>. More detailed information on a variety of related topics is available in the [SJSU catalog](http://info.sjsu.edu/web-dbgen/narr/catalog/rec-12234.12506.html), at <http://info.sjsu.edu/web-dbgen/narr/catalog/rec-12234.12506.html>. In general, it is recommended that students begin by seeking clarification or discussing concerns with their instructor. If such conversation is not possible, or if it does not serve to address the issue, it is recommended that the student contact the Department Chair as a next step.

Dropping and Adding

Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Refer to the current semester's [Catalog Policies](http://info.sjsu.edu/static/catalog/policies.html) section at <http://info.sjsu.edu/static/catalog/policies.html>. Add/drop deadlines can be found on the current academic year calendars document on the [Academic Calendars webpage](http://www.sjsu.edu/provost/services/academic_calendars/) at http://www.sjsu.edu/provost/services/academic_calendars/. The [Late Drop Policy](http://www.sjsu.edu/aars/policies/latedrops/policy/) is available at <http://www.sjsu.edu/aars/policies/latedrops/policy/>. Students should be aware of the current deadlines and penalties for dropping classes.

Information about the latest changes and news is available at the [Advising Hub](http://www.sjsu.edu/advising/) at <http://www.sjsu.edu/advising/>.

Consent for Recording of Class and Public Sharing of Instructor Material

[University Policy S12-7](http://www.sjsu.edu/senate/docs/S12-7.pdf), <http://www.sjsu.edu/senate/docs/S12-7.pdf>, requires students to obtain instructor's permission to record the course and the following items to be included in the syllabus:

- “Common courtesy and professional behavior dictate that you notify someone when you are recording him/her. You must obtain the instructor's permission to make audio or video recordings in this class. Such permission allows the recordings to be used for your private, study purposes only. The recordings are the intellectual property of the instructor; you have not been given any rights to reproduce or distribute the material.”
 - It is suggested that the greensheet include the instructor's process for granting permission, whether in writing or orally and whether for the whole semester or on a class by class basis.
 - In classes where active participation of students or guests may be on the recording, permission of those students or guests should be obtained as well.

- “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.”

Academic integrity

Your commitment, as a student, to learning is evidenced by your enrollment at San Jose State University. The [University Academic Integrity Policy S07-2](http://www.sjsu.edu/senate/docs/S07-2.pdf) at <http://www.sjsu.edu/senate/docs/S07-2.pdf> requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The [Student Conduct and Ethical Development website](http://www.sjsu.edu/studentconduct/) is available at <http://www.sjsu.edu/studentconduct/>.

Campus Policy in Compliance with the American Disabilities Act

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. [Presidential Directive 97-03](http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf) at http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf requires that students with disabilities requesting accommodations must register with the [Accessible Education Center](http://www.sjsu.edu/aec) (AEC) at <http://www.sjsu.edu/aec> to establish a record of their disability.

Accommodation to Students' Religious Holidays

San José State University shall provide accommodation on any graded class work or activities for students wishing to observe religious holidays when such observances require students to be absent from class. It is the responsibility of the student to inform the instructor, in writing, about such holidays before the add deadline at the start of each semester. If such holidays occur before the add deadline, the student must notify the instructor, in writing, at least three days before the date that he/she will be absent. It is the responsibility of the instructor to make every reasonable effort to honor the student request without penalty, and of the student to make up the work missed. See [University Policy S14-7](http://www.sjsu.edu/senate/docs/S14-7.pdf) at <http://www.sjsu.edu/senate/docs/S14-7.pdf>.

Student Technology Resources

Computer labs for student use are available in the [Academic Success Center](http://www.sjsu.edu/at/asc/) at <http://www.sjsu.edu/at/asc/> located on the 1st floor of Clark Hall and in the Associated Students Lab on the 2nd floor of the Student Union. Additional computer labs may be available in your department/college. Computers are also available in the Martin Luther King Library. A wide variety of audio-visual equipment is available for student checkout from Media Services located in IRC 112. These items include DV and HD digital camcorders; digital still cameras; video, slide and overhead projectors; DVD, CD, and audiotape players; sound systems, wireless microphones, projection screens and monitors.

SJSU Peer Connections

Peer Connections, a campus-wide resource for mentoring and tutoring, strives to inspire students to develop their potential as independent learners while they learn to successfully navigate through their university experience. You are encouraged to take advantage of their services which include course-content based tutoring, enhanced study and time management skills, more effective critical thinking strategies, decision making and problem-solving abilities, and campus resource referrals.

In addition to offering small group, individual, and drop-in tutoring for a number of undergraduate courses, consultation with mentors is available on a drop-in or by appointment basis. Workshops are offered on a wide

variety of topics including preparing for the Writing Skills Test (WST), improving your learning and memory, alleviating procrastination, surviving your first semester at SJSU, and other related topics. A computer lab and study space are also available for student use in Room 600 of Student Services Center (SSC).

Peer Connections is located in three locations: SSC, Room 600 (10th Street Garage on the corner of 10th and San Fernando Street), at the 1st floor entrance of Clark Hall, and in the Living Learning Center (LLC) in Campus Village Housing Building B. Visit [Peer Connections website](http://peerconnections.sjsu.edu) at <http://peerconnections.sjsu.edu> for more information.

SJSU Writing Center

The SJSU Writing Center is located in Clark Hall, Suite 126. All Writing Specialists have gone through a rigorous hiring process, and they are well trained to assist all students at all levels within all disciplines to become better writers. In addition to one-on-one tutoring services, the Writing Center also offers workshops every semester on a variety of writing topics. To make an appointment or to refer to the numerous online resources offered through the Writing Center, visit the [Writing Center website](http://www.sjsu.edu/writingcenter) at <http://www.sjsu.edu/writingcenter>. For additional resources and updated information, follow the Writing Center on Twitter and become a fan of the SJSU Writing Center on Facebook. (Note: You need to have a QR Reader to



scan this code.)

SJSU Counseling Services

The SJSU Counseling Services is located on the corner of 7th Street and San Fernando Street, in Room 201, Administration Building. Professional psychologists, social workers, and counselors are available to provide consultations on issues of student mental health, campus climate or psychological and academic issues on an individual, couple, or group basis. To schedule an appointment or learn more information, visit [Counseling Services website](http://www.sjsu.edu/counseling) at <http://www.sjsu.edu/counseling>.

Art 149 / Topics in Jewelry and Small Sculpture, Spring 2017, Course Schedule

The schedule is subject to change with fair notice. Changes will be noted in class, by email, and or updated on Canvas.

Course Schedule

Week	Date	Topics, Readings, Assignments, Deadlines
1	1/26/17	Green sheet review, meet and greet Introduction to First Project: Hard Wax and Soft Wax ring
2	1/31/17	Demo: carving of Hard wax: how to ring size, use wax files, flexshaft wax carving tools, and saw work on wax rings
2	2/2/17	Demo Soft wax Demo spruing
3	2/7/17	Demo investing/ work day
3	2/9/17	work day
4	2/14/17	First day to cast/ work day/ demo clean up: jewelers saw, files, sand paper
4	2/16/17	Cast/work day
5	2/21/16	Last day to cast/ work day
5	2/23/17	Rings due/introduce project 2
6	2/28/17	Demo plaster mold making: start on molds
6	3/2/17	Work day Demo: how to use a plaster mold with wax
7	3/9/17	Work day/ invest: plaster mold due
7	3/14/17	Casting/ workday
8	3/16/17	Last day to invest / workday
8	3/21/17	Last day to cast Cast/ work day
9	3/23/17	Work day
9	3/28/17	Spring break
10	3/30/17	Spring break
10	4/4/17	workday
11	4/6/17	Critique project 2/ introduce final Homework find 5 objects with texture or patterns. Bring them to class for Tuesday
11	4/11/17	Demo brush on 40 and mold making, work-day. Talk about objects
12	4/13/17	Work day and mold making
12	4/18/17	Work day last day for brush on mold making
13	4/20/17	Invest Work day

13	4/25/17	Cast/ work day Demo: brazing and soldering
14	4/27/17	Invest and work day
14	5/2/17	Cast work day
15	5/4/17	Demo: Patina 101 cast work day FINAL DAY TO INVEST
15	5/9/17	Final day to cast
16	5/11/17	Work day
16	5/16/17	Last day to cast/ Last class workday
Final Exam	5/18/17	Final class cleanup and art pickup 2:45-5pm