



DEPARTMENT OF ART

University of Alaska Fairbanks

College of Liberal Arts

Summer Semester 2021

Molding and Casting Iron for Sculpture and Design

ART F240 FE1

CRN: 51230

1 Credits

Prerequisites: F163

Location: Fine Arts Complex room 302

Meeting time: (May28th, May31st - June 4th) M-F 6:00p.m.-8:00 p.m.

Sat May 29th & June 5th 11:00-4:00, Final Sunday June 6th 11:00-4:00

Professor: Wendy Ernst Croskrey

Office Location: Fine Arts Building Room 312,

Office Hours: MW 5:00-6:00 and by appointment

Office Telephone: 907-347-4614

E-mail Address: wecroskrey@alaska.edu

COVID-19: Students should keep up-to-date on the university's policies, practices, and mandates related to COVID-19 by regularly checking this website:

<https://sites.google.com/alaska.edu/coronavirus/uaf/uaf-students?authuser=0>

Further, students are expected to adhere to the university's policies, procedures, and mandates and are subject to disciplinary actions if they do not comply.

COVID-19 Face Coverings Policy: Face coverings must be worn at all locations owned or operated by the University of Alaska Fairbanks, except those medically exempted or under the age of 5. Indoors in all cases except as exempted explicitly in section 7 of this policy

Outdoors whenever a six-foot distance from between individuals cannot be continuously met.

<https://uaf.edu/chancellor/initiatives-and-policies/policy/02.09.003.php>

COURSE DESCRIPTION:

This course is an introduction to hot and cold casting methods for use in multimedia projects and an individualized level of self-expression.

COURSE GOALS:

Have a solid understanding of the fundamentals in sculpture and design, leading to the ability to communicate ideas using newly learned construction techniques and craftsmanship.

COURSE LEARNING OUTCOMES: At the successful completion of the course:

- Understand the use of multiple materials required in the production of iron casting in sculpture and functional design.
- Present the newly constructed multi-media techniques

- Identify how craftsmanship played a role in the final results
- Be able to discern historical references in the work
- Be able to identify the choice of material and how the molding process best describes their idea in iron.

Assessment and Measurements:

- Participation in the public presentation of the iron pour.
- Participate in critiques and discuss and explain the various steps involved with casting.
- Presentation of finished works successfully completed the casting process.
- Oral presentations of the work; how is the work perceived in its historically situated place and discussion of defined art language.

The successful completion of this course will require:

1. Safely operate equipment, understand use the correct technical procedure. Maintain a clean and orderly studio environment with respect for the personal work of others.
2. Read all handouts.
3. Attendance at all critiques and finish all assignments in a timely fashion.

INSTRUCTIONAL METHODS:

This course will provide the student with a hands-on approach to creating artwork. The students are expected to work in class after the demonstrations and lectures on various molds and materials.

Grading is based on the following criteria:

Concept: originality, creativity, and effectiveness of the solution.

Aesthetics: visual impact and beauty.

Presentation: craftsmanship, the effective use of materials.

Historical references within the work or within the discussions of the process used to create the work.

“A”-Excellent original idea, creative and effective solution to problem, superior quality and craftsmanship.

“B”-Above average quality of the above.

“C”-Average expected quality with satisfactory problem solution.

“D”-Poor quality, misunderstanding of assignment and multiple mistakes.

“F”-Yes it is possible to fail an art course by failure to fulfill objectives of assignment, poor attendance, and bad attitudes.

See Grading Policy posted in the studio

Project descriptions will be posted in the studio on the bulletin board; in addition to, any corrections and changes made to the curriculum in the syllabus.

Courses that include plus and minus grades are evaluated by following breakdown.

A+ = 97% A=91-96% A-=89-90% B+=87-88% B=81-86% B-=79-80% C+=77-78% C=71-76% C-=69-70% D=65-68% D- = 60-64% Below 60=F

EXPLANATION OF NB/I/W GRADES:

This course adheres to the UAF regarding the granting of NB Grades the NB grade is for use only in situations in which the instructor has No Basis upon which to assign a grade.

Incomplete Grade Policy: “The letter “I” (Incomplete) is a temporary grade used to indicate that the student has satisfactorily completed (C or better) the majority of work in a course but for personal reasons beyond the student’s control, such as sickness, he has not been able to complete the course during the regular semester. Negligence or indifference is not acceptable reasons for an “I” grade.”

INSTRUCTOR RESPONSE TIME:

Emails are answered within 48 hours during the weekday. You can check your grades with the Professor, Graded materials are available within one week of the midterm and final. Individual project percentages on finished work can be requested within 48 hours of the critique.

ACADEMIC INTEGRITY:

As described by UAF, scholastic dishonesty constitutes a violation of the university rules and regulations and is punishable according to the procedures outlined by UAF. Scholastic dishonesty includes, but is not limited to, cheating on an exam, plagiarism, and collusion. Cheating includes providing answers to or taking answers from another student. Plagiarism includes use of another author's words or arguments without attribution. Collusion includes unauthorized collaboration with another person in preparing written work for fulfillment of any course requirement. Scholastic dishonesty is punishable by removal from the course and a grade of "F." For more information on Student Code of Conduct go to: (<http://uaf.edu/usa/student-resources/conduct>).

COURSE READINGS/MATERIALS:

A list of suggested readings:

Methods for Modern Sculptors, Young and Fennell, Sculpt-Nouveau.

The Materials and Methods of Sculpture, Jack C. Rich

Complete Casting Handbook: Metal Casting Processes, Metallurgy, Techniques and Design
by John Campbell

Casting Defects Handbook: Iron & Steel Hardcover – 2008
by Edited by George Goodrich (Author)

Supplies student need to purchase:

Additional molding materials beyond the scope and size limitations of the project include: Rubber molding material, plaster, sand, wax, rubber gloves, resin for cold cast.

Additional dust masks if lost or discarded, plastic bucket, rubber spatula, 10-1" disposable paint brushes, Combination lock, sand for iron molds

List of suppliers:

The Complete Sculptor, Inc www.sculpt.com All kinds of tools and supplies/

Chavant, Inc. www.chavant.com Oil based sulfur free clays

Classic Clay (909) 989-9071 Oil based clays

USG (Us Gypsum) www.usg.com plaster, gypsum/cement technical info.

Pink House Studios (802) 524-7191 www.pinkhouse.com alginate, body casting material, skin friendly silicones.

Polytek Development Corp. www.polytek.com wide range of rubber molding materials, resins, catalog that offers technical advice

Smooth-On, Inc. www.smooth-on.com wide range of rubbers and casting materials

Smooth-On distributor: CAC Alaska www.cacalaska.com/Address: 2600 E Broadview Ave, Wasilla, AK 99654 Phone: (907) 376-7111

Enviro-Safety Products www.envirosafetyproducts.com safety equipment

It is the students' responsibility to make sure they understand the proper procedure in operating equipment before they use it. Equipment should not be use until the professor demonstrates how to properly use the instrument. If demonstrations are missed it is the student's responsibility to set up a time with the instructor to go over the equipment.

Assignments:

The beginning level student completes one mold and two cast that will be used and presented “gallery ready” for the final. The completion of two works is required for the course.

Tentative Schedule:

Seven hours of lecture materials cover the following subjects: History of Iron, The blast furnace, sand casting, flexible molds, cold casting, combining dissimilar materials and patina. Fourteen hours of lab cover the demonstrations and practice of the above mentioned lectures.

May-June

1st-day Hand-outs and introduction “safety minute”

Lecture: History of Iron,

Lab: appropriate designs for iron

2nd-day Lecture: sand casting

Lab: How to mix sand and prepare patterns

3rd-day Lecture: Multiple piece molds and repetition

Lab: demonstration of draftable molds

4th-day Lecture: Types of flexible molds

Lab: demonstration on viscosity of materials and flexibility

5th-day Lecture on cold casting

Lab: demonstration of gel coats

6th day Lecture: combining dissimilar material

Lab: physical and welded connections

7th day Lecture: Blast furnace operations/Patina considerations/ Critique on Molds

Lab: spruing and gating demonstration/ binding the molds

8th day Lab: Iron casts public presentation

9th day Final Critique

SUPPORT SERVICES

UAF Help Desk

Go to <http://www.alaska.edu/oit/> to see about current network outages and news.

Reach the Help Desk at:

e-mail at helpdesk@alaska.edu

fax: 907.450.8312

phone: 450.8300 (in the Fairbanks area) or 1.800.478.8226 (outside of Fairbanks)

DISABILITIES SERVICES

UAF is obligated to provide accommodation only to the known limitations of an otherwise qualified student who has a disability. Please identify yourself to UAF Disability Services by applying for accommodations. To be considered for UAF Disability Services accommodations individuals must be **enrolled for at least one credit** as a UAF student. For more information send Disability Services an email at uaf-disabilityservices@alaska.edu by phone at (907)474-5655, or by TTY at (907)474-1827.

TITLE IX PROTECTION

Every qualified student is welcome in my classroom. As needed, I am happy to work with you, disability services, veterans' services, rural student services, etc., to find reasonable accommodations. Students at this university are protected against sexual harassment and discrimination (Title IX), and minors have additional protections. As required, if I notice or am informed of certain types of misconduct, then I am required to report it to the appropriate authorities. For more information on your rights as a student and the resources available to you to resolve problems, please go the following site:
www.uaf.edu/handbook