

UNIVERSITY OF CALGARY  
DEPARTMENT OF ART

**COURSE OUTLINE**

**ART 501 – Lecture 01**

**Selected Topics in Media Arts  
(3D Fabrication Metal Casting)**

**Summer 2015** (July 2 – August 14)

Class Times: *T,R 12:00-14:45*

See class schedule for locations

**Instructor:** *Oksana Kryzhanivska*  
**Office Location:** *AB 623*  
**Office Phone:** *N/A*  
**E-Mail:** *okryzhan@ucalgary.ca*  
**Web Page:** *<http://pages.cpsc.ucalgary.ca/~okryzhan/>*  
**Office Hours:** *by appointment*

**Course Description**

Possible topics include, but are not limited to: Advance Digital Imaging, Sound and Interactivity, Immersive Art, Tele-Arts.

This course may be repeated for credit.

**Prerequisites**

Consent of the Department.

**Objectives of the Course**

This focused practicum for senior students develops conceptual, technical, and creative skills in creating sculpture using 3D design software and 3D scanning technologies. Through theoretical and practical explorations students translate digital models into bronze or aluminum objects using 3D printing technologies. Students explore issues pertaining to contemporary sculpture through the juxtaposition of the digital fabrication and lost PLA casting processes.

Graduate students will augment the undergraduate curriculum by focusing on their individual projects. Students will investigate the implications of the latest fabrication methods, such as advanced 3D design software and 3D scanning technologies, 3D printing, machine fabrication and their historical predecessors, such as wax and clay modeling, investment casting, and sand molded casting.

**Textbooks and Readings**

N/A

**Assignments and Evaluation**

Students' performance in this course is evaluated based on the studio project, the concept behind it, project's presentation in form of metal sculpture, printed prototype, digital model and sketches; and their execution. Students will support their concept in a written paper and during the oral presentation.

Class participation includes evaluation of class preparation, timely completion of the fabrication stages, class attendance, participation in class discussions, and respectful treatment of facilities.

	Due Date	Percentage
<b>Practicum Project:</b>		
References and sketches (20 sketches)	July 18 Sat (to be submitted electronically)	10% (5% for references; 5% for sketches)
Digital model	July 12 Sun (to be submitted electronically)	20%
Fabricated sculptures 1 metal (15%) & 1 prototype (5%)	August 11	20%
Support paper	August 19 Wed (to be submitted electronically)	20%
<b>Project presentation:</b>	August 11	15%
<b>Participation:</b>	On-going	15%
	<b>Total:</b>	<b>100%</b>

## Writing

Writing and the grading thereof is a factor in the evaluation of the student's work.

A passing grade on any one specific component of this course is not essential to pass this course as a whole.

**Note: It is the student's responsibility to keep a copy of or any relevant documentation regarding each submitted assignment.**

Studio component is submitted during the project presentation during the week of August 11, during the scheduled class time or by appointment. Support paper can be submitted via a class folder or by email to okryzhan@ucalgary.ca

If this is not possible, you can use the drop box outside of AB 608. Assignments that are put into the drop box will be date-stamped and placed in the instructor's mailbox.

## Registrar-Scheduled Final Exam

There is NO registrar-scheduled final exam for this course.

## Late Assignment Policy

Failure to hand in any assignments on their respective due dates will result in a 5% daily late penalty until the assignment is submitted for review.

## Additional Information

Students should expect to purchase 3D printing materials, metal for casting, wax, plaster and basic sculpting tools.

## Course Activities

Date	Location	Class Description
July 2	Media Lab	Course overview, assignments, introduction to digital modeling
July 7	Media Lab	Modeling tools, rendering and export.
July 9	Media Lab	Modeling, discussion, check for printability. Models due July 12
July 14	AB 623	3D printing software and hardware overview, cleaning prints
July 16	Sculpture	Spruing demo, wax work
July 21	Sculpture	Sprues check, investment mold demo
July 23	Sculpture	Making molds in class, molds due
July 28	Foundry/Sculpture	Pour day/ wrapping molds

July 30	Metal Shop	Finishing Demo
Aug 4	Metal Shop	Finishing
Aug 6	Metal Shop	Finishing
Aug 11	AB 623	Presentations (no class on Aug 13)

### Grading Method/Grading Scale:

Percentage	Grade	G.P.A.	Grade Definition
96-100	A+	4.0	Outstanding
90-95	A	4.0	Excellent-superior performance, showing comprehensive understanding of subject matter.
85-89	A-	3.7	
80-84	B+	3.3	
75-79	B	3.0	Good – clearly above average performance with knowledge of subject matter generally
70-74	B-	2.7	
65-69	C+	2.3	
60-64	C	2.0	Satisfactory – basic understanding of the subject
55-59	C-	1.7	
53-54	D+	1.3	
50-52	D	1.0	Minimal pass – marginal performance; generally insufficient preparation for subsequent courses in the same subject
0-49	F	0	Fail – unsatisfactory performance or failure to meet course requirements.

### Studio Procedures

The creation of art can be a dirty process and a studio is only workable if everyone cooperates in keeping it clean. Out of respect and consideration for your class mates and other users of the space, it is expected that everyone will participate in keeping the studio clean and tidy.

### Internet and Electronic Communication Device Information

N.A.

### Academic Accommodation

For more information go to <http://www.ucalgary.ca/access/>

### Academic Standing

For more information go to <http://www.ucalgary.ca/pubs/calendar/current/f.html>

### Deferral of Exams/Term work

It is possible to request a deferral of term work or final examination(s) for reasons of illness, accident, family or domestic affliction, or religious obligations. Please check with Enrolment Services if any of these issues make it impossible for you to sit an exam or finish term work by stated deadlines.

For more information go to [http://www.ucalgary.ca/registrar/deferred\\_final](http://www.ucalgary.ca/registrar/deferred_final)

### F.O.I.P.

For more information go to <http://www.ucalgary.ca/secretariat/privacy>

## **Writing/Plagiarism**

Using any source whatsoever without clearly documenting it is a serious academic offense. Consequences include failure on the assignment, failure in the course and possibly suspension or expulsion from the university. Visual art projects submitted for course credit must be produced by the student specifically for this class. Students must not submit projects if credit has or will be provided for it in another class. This includes re-worked assignments from previous or concurrent courses, unless permission is provided in writing by the instructor. Additionally, the student is asked to be mindful of using visual sources from the internet, ensuring that that material is not derived from any on-line or other available source, and that appropriate copyright permission is granted, when required.

For more information go to <http://www.ucalgary.ca/ssc/writing-support> or <http://www.ucalgary.ca/pubs/calendar/current/e-2.html>

## **Student Misconduct**

For more information go to <http://www.ucalgary.ca/pubs/calendar/current/k.html>

## **Student Union**

For more information go to <http://www.su.ucalgary.ca/>

## **Student Ombudsman**

For more information go to <http://www.ucalgary.ca/provost/students/ombuds>

## **Lockers**

The Art Building lockers are administered through the Student's Union's used bookstore, Bound and Copied. Lockers are rented on a first come, first served basis. Due to the shortage of lockers, and the high demand, students cannot hold more than one locker at a time. All of the details on renting a locker and your responsibilities can be found on the [Locker Rental Agreement](#).

**Lockers for all sessions** can be rented through [my.ucalgary.ca](http://my.ucalgary.ca). Once you're in the Student Centre, click on **Other Academic Services** and choose **Locker Reservation**.

**Lockers must be vacated by the end of term.**

For more information go to <http://www.su.ucalgary.ca/>

## **Models**

In this class students may be expected to draw from nude models. A student electing not to do so must notify the instructors IN WRITING of his/her concerns.

## **Portfolios and Assignments**

The Department of Art will not assume responsibility for lost or stolen portfolios or course work given to instructors for grading, or for work posted on bulletin boards in the art building.

**Note - All unclaimed work will be disposed of.**

**Note - Studio spaces need to be cleared 2 weeks after the last day of classes.**

## **Ethics**

Whenever you perform research with human participants (i.e., surveys, interviews or observation) as part of your university studies, you are responsible for following university research ethics guidelines. Your instructor must review and approve of your research plans and supervise your research.

For more information go to <http://www.ucalgary.ca/research/cfreb>

## **Campus Security/Safewalk**

Call 220-5333 anytime. Help phones are located throughout campus, parking lots and elevators; they connect directly to Campus Security - in case of emergency, press the red button.

For more information go to <http://www.ucalgary.ca/security/safewalk>

## **Emergency Evacuation**

For more information go to <http://www.ucalgary.ca/emergencyplan/assemblypoints>

## **Faculty of Arts Program Advising and Student Information Resources**

Have a question but not sure where to start? The Arts Students' Centre is your information resource for everything in the Faculty of Arts. Stop by SS102, call us at 220-3580 or email us at [ascarts@ucalgary.ca](mailto:ascarts@ucalgary.ca) or [artsads@ucalgary.ca](mailto:artsads@ucalgary.ca). You can also visit the Faculty of Arts website at <http://arts.ucalgary.ca/undergraduate> which has detailed information on common academic concerns.

For program planning and advice, contact the Student Success Centre at 220-5881 or visit them on the 3rd floor of the Taylor Family Digital Library.

For registration (add/drop/swap), paying fees and assistance with your Student Centre, contact Enrolment Services at 210-ROCK [7625] or visit them at the MacKimmie Library Block.