

Developing “Lab” Model Services for the Fine Arts

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Digital Scholarship Centre



Can you teach my students about...

Instructor Curiosity

Since the opening of the DSC in 2019 we've had a number of Arts instructors approach us with the desire to collaborate on technology based assignments.

In a number of areas in Fine Arts, technology is influencing new forms of art and instructors want to give students a rounded experience.

These include areas called 'intermedia', design and sculpture

Digital Scholarship and the Arts “Lab”

The concept of ‘lab work’ is a familiar in STEM programs, but not so much in Fine Arts.

Many DS facilities consider themselves “Labs” but do they think of the Fine Arts in this context?

We have slowly been developing a process of what it means to be a Fine Arts lab.



Examples

Examples

Assignment

Create a 3D model plane



DSC Tools

Fabool Laser Cutter
Cricut Maker



Materials

Paper, cardstock or
balsa wood



DES
384/484/584

Introduction to
Integrative
Design



Software

Fabool Software
Cricut Design Space
Adobe Illustrator



Timeframe

1 month (final
project)



Students

15 +/- of various
design skill levels

Student Work



Student Names unknown



Examples

Assignment
Create a 2D piece of digital art with interactive elements

DSC Tools
Ideum? Touch Table Visualization Wall

Materials
Digital!

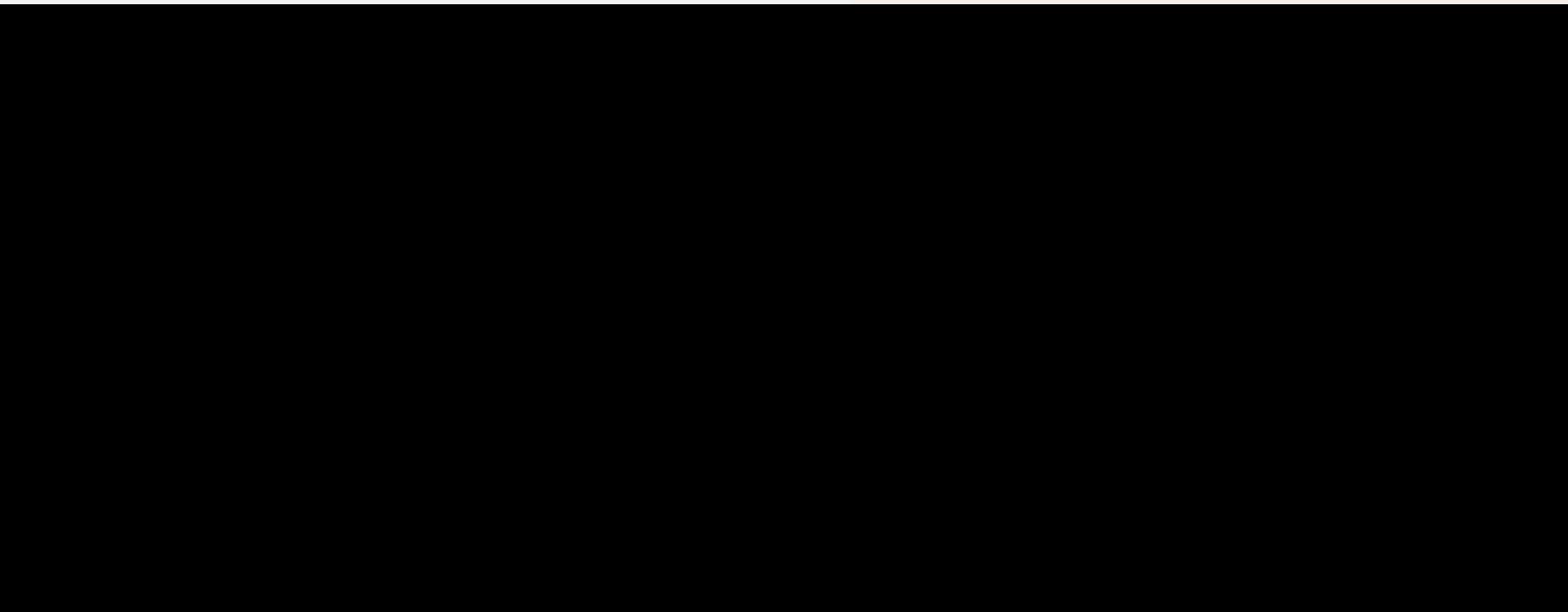
ART 350
Media Art: Digital Media I

Software
Adobe Illustrator,
Premiere Pro, After Effects, Power Point

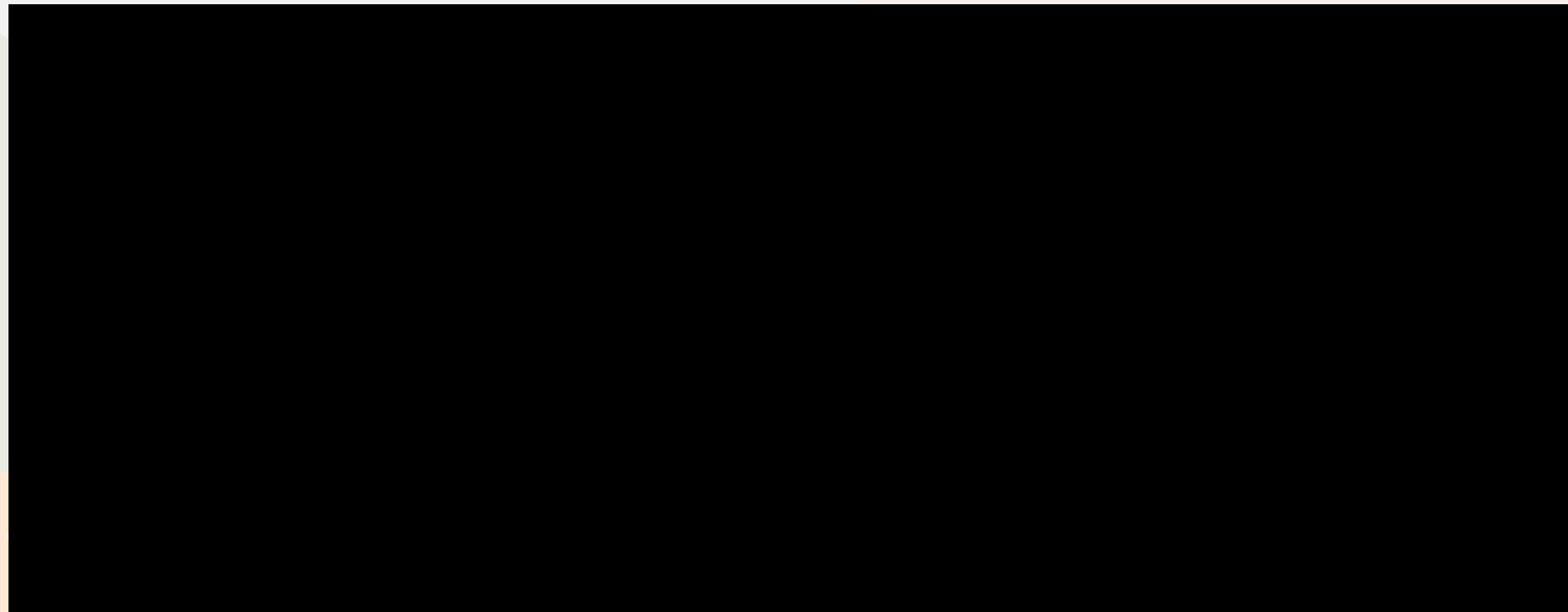
Timeframe
Over the course of the term

Students
15+/-

Student Work



Student Work



Examples

Assignment

Create a piece of 3D Art that can be 3D printed and showcased in a VR environment

DSC Tools

3D Printers
HTC Vive VR

Materials

Filament or Resin
Digital

ART 351
Media Art:
Digital Media II



Software

Blender, Rhino 7,
Google Tilt Brush
Cura, Preform

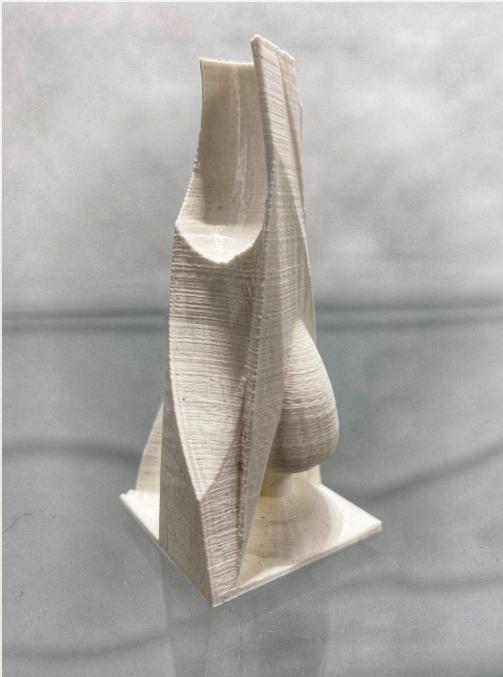
Timeframe

Over the course of a full term

Students

14 +/- of various design skill levels

Student Work



Student Work



 Tilt Brush
by Google

Student Artist: Christina Li

Examples

Assignment

Test print 3D models,
produce one larger model



DSC Tools

3D Printers



Materials

Filament or Resin



Art 362/361
Introductory
Studies in Abstract
or Figurative
Sculpture

Software

Blender, Rhino 7,
Cura, Preform



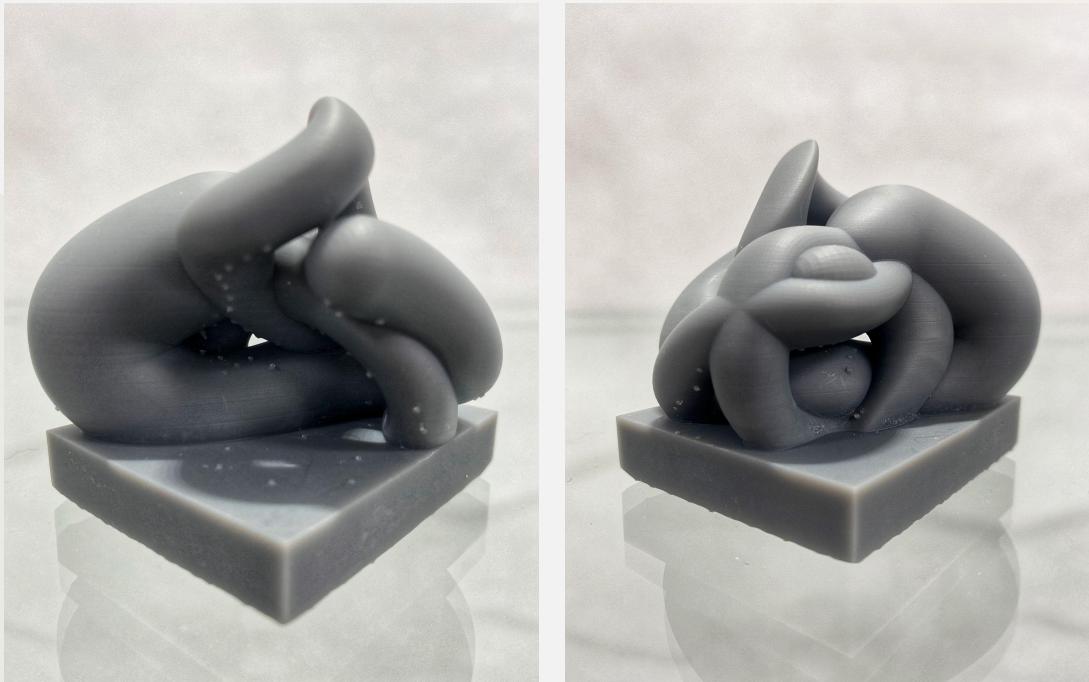
Timeframe

Over the course of
a full term

Students

28 of various
design skill levels

Student Work



Student Artist: Ainsley?

Things to ask

What is the deadline for the assignment and will there be flexibility for technology failures?

Where do they want to guide students and when do you step in ?

the instructor

- How will the instructor grade the assignment?
Tech-knowledge? Content?
Both?

- Where does this assignment fit into the scope of the class? Do you have a syllabus you can share?

Things to ask

yourself

How will supporting the class impact your capacity to help other DS users?

Will you provide materials?

What staff will be involved in helping the class?

Is there enough time for students to successfully do the work?



What types of software and technology learning will the students need and how will be delivered? In Class, e-learning? Tech demos?

Do you have the technical expertise and tools to effectively offer the class the support they need?

Developing Pedagogy for different levels of learner

Fine Arts classes are increasingly taught in multi-level groups, even mixes of undergraduate and graduate students

One has to consider the range of learners in pedagogy development, often aiming to teach to the 'middle'. Advanced students will do more advanced projects and come for more assistance

Less advanced students will also need to reach out for additional support



Art Students & Technology

Our experience has shown that the idea of ‘technology shyness’ among fine arts students is a myth. Many are excited about the possibility of incorporating tech into their practise.

They also have very creative ideas when they start learning!

Students in these classes have become repeat users of the DSC for other classes and assignments



Questions

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