

DIGITAL FABRICATION

ART 4753

SU_24

HOWELL 110

MONDAY - FRIDAY

1:00 - 4:50

[COURSE WEBSITE](#)

F2F

INSTRUCTOR(S)

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LASER CUT DEMO / LASER PUZZLE

PROJECT DESCRIPTION

In this project, students will engage in methods of digital vector and bitmap image experimentation to produce a laser cut and etched collaborative output.

TOOLS & MATERIAL

Adobe Illustrator

Adobe Photoshop

Glowforge Web App (Account)

Glowforge Pro Machine

Chipboard or Basswood

TASK

Create two puzzle tiles that incorporate an image that has been turned into a bitmap for laser engraving. The Edges of the tiles will be laser cut. Each student will design two tiles that will become a piece of the greater "puzzle." Follow the demonstration.

TIMELINE

- DAY 01 Introduction to tools and processes
 Vector Image demo / Adobe Illustrator
 Bitmap Image demo / Adobe Photoshop + Illustrator
 Laser cut file setup demo / Adobe Illustrator
- HOMEWORK Finalize file for cutting/etching
- DAY 02 Working day / laser cutting
 Presentation of outputs