

DIGITAL FABRICATION

ART 4753

SU_24

HOWELL 110

MONDAY - FRIDAY

1:00 - 4:50

[COURSE WEBSITE](#)

F2F

INSTRUCTOR(S)

AUBREY POHL

(HE/HIM)

APOHL@CAAD.MSSTATE.EDU

CAROLINE HATFIELD

(SHE HER)

CHATFIELD@CAAD.MSSTATE.EDU

IMAGE, VOLUME, LAYERS

PROJECT DESCRIPTION

Digital Fabrication is the process of translating a design from the digital realm into fabricated material. However, at least for our purposes, this is not just a question of digital to material, but also of design and concept. The challenge is in how you chose to translate your design(s) from one form to the next. This process involves intense research, experimentation, patience, care, and lots of trial and error.

Image, Volume, Layers is a decentralized project, in which the main object/design output is presented alongside content related to its conception, process of production, and intent.

Each project should utilize the combination of image, volume, layers in its design process, as well as conceptually - as we consider that language in relationship to histories.

Image: a representation of the external form of a person or thing; the general impression that a person, organization, or product presents to the public.

Volumes: a book forming part of a work or series; the amount of space that a substance or object occupies, or that is enclosed within a container; quantity or power of sound; degree of loudness.

Layers: a sheet, quantity, or thickness of material, typically one of several, covering a surface or body; a person or thing that lays something.

"It's not only thinking in a linear way but understanding the strata of history, the ways our histories are connected through love and through violence."

- Otobong Nkanga

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TASK

-
- READ: OTOBONG NKANGA INTERVIEW IN SCULPTURE MAGAZINE
*physical copies provided

 - IDENTIFY A HISTORY TO FOCUS YOUR RESEARCH.
THIS COULD BE:
 - A material history
 - The history of a discipline
 - A personal history
 - A family history
 - The history of an object
 - The history of a place
 - The history of a land
 - A political history
 - A spiritual history
 - So on and so forth

 - YOU MUST USE (AT LEAST) TWO OF THE FOUR TOOLS INTRODUCED IN THE COURSE DEMOS:
 1. LASER CUTTER/ENGRAVER
 2. 3D PRINTER
 3. CNC ROUTER/MILLER
 4. CNC PLASMA

 - YOU MUST ADDRESS ALL THREE THE FOLLOWING:
 1. IMAGE
 2. VOLUME
 3. LAYERS

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TIMELINE

WEEK 02 / 07.15-07.19

WORKING DAY(S)

07.19 DESIGN REVIEW PRESENTATIONS

WEEK 03 / 07.22-07.26

WORKING DAY(S)

MIDPOINT CLASS CHECK-IN

07.26 PROGRESS CRITIQUE

07.26 PROJECT MATERIAL ACQUIRED

WEEK 04 / 07.29-08.02

WORKING DAY(S)

08.02 PROGRESS CRITIQUE

WEEK 04 / 08.05-08.06

08.05 FINAL WORKING DAY

08.06 FINAL CRITIQUE / ONE NIGHT ONLY?

END OF COURSE