

### Foundations 3D Printing Worksheet

Please complete this worksheet and bring it with you to your appointment so we can help you with your project. Talk to shop staff or your faculty if you have questions.

Name: \_\_\_\_\_  
Email: \_\_\_\_\_  
Appt. Date and Time: \_\_\_\_\_  
Class: \_\_\_\_\_  
Faculty Name: \_\_\_\_\_

#### 3D Printing Settings

3D Printer Name: \_\_\_\_\_  
3D Print Size: \_\_\_\_\_  
3D Print Time: \_\_\_\_\_

#### Faculty Approval

(Check one)

☐ Digital Approval Received  
☐ Faculty Signature \_\_\_\_\_

#### 3D Print Payment

(To be completed by shop staff)

☐ 3D Printing Fee Paid

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### Foundations 3D Printing Reminders

- Get file approved by faculty
- Make an appointment
  - 3D Shop Intranet page
  - Do not need to be present for the whole print but please check in regularly
- Run your file through Cura and save the gcode
- Bring along your original file and your stl incase changes need to be made
- Save your file to an sd card
  - 3D shop does **not** provide SD cards
- Pay your 3D printing class fee of \$10 with the 3D shop staff or in the Service Bureau
- File solid, free of holes, and watertight
- Total object size fits limitations covered by class fee
  - Ultimaker: 4" x 4" x 4"
  - Class Batch Print: 1 ½" x 1 ½" x 1 ½"
- Objects fit within the limitations of the printer
  - Ultimaker max size: 9" x 9" x 8"
- Position your object for the best possible print
  - Slicing object
  - Largest/flattest side down
  - Supports turned on
  - Sidewalk, brim or raft turned on
- Factor in extra time for finishing tasks
  - Removal of supports
  - Assembly of sliced parts
  - Sanding, Painting, etc.

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