

# Progress Journal, Printing Portfolio, and Final Project

JMU 3-SPACE Classroom

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In this class a large part of your grade will be determined by your portfolio of printed objects, your final design/print project, and a progress journal that you write in multiple times a week. You can get started on all three with the instructions below.

- **PROGRESS JOURNAL**

Start your Progress Journal by creating a Google Doc in our class folder. Remember you can log in with "[jmu3space@gmail.com](mailto:jmu3space@gmail.com)" and password "Threespace". Go to the "Progress Journals" folder and click the red "Create" button to start your journal document. Title the journal with your name. See my sample journal in the same folder for guidance; please follow the formatting in the sample. To make sure you know how to include pictures in your journal, please include at least one picture in your first entry. You should make entries in this journal multiple times a week.

- **PRINT PORTFOLIO**

You will soon have card-swipe access to the JMU 3-SPACE Classroom, so that you can visit whenever you like to print things for your overall portfolio. You will get credit for everything you print in this class, so take pictures of each thing you print for your journal and also keep all your "fails" for further review. You're free to print whatever you like as long as you keep the items small. You can print small things from Thingiverse but are also expected to print some things that you personally modeled/designed.

- **FINAL PROJECT**

Your project should push the limits of what you can design; this means that it should not be as simple as your initial project. You should be able to convince me that this project goes beyond what you did in your first prints.

- Your final project should have a purpose, an interesting property, or some other reason to exist. You should be able to convince me that it is worth printing and worthy of "final project" status.
- In your proposal you should convince me that you think you can create the object, and tell me how you plan to do so. You are not limited to Tinkercad; you can also use shape scripts, OpenSCAD, SolidWorks, Blender, MeshLab, Sketchup, 123D Design, Mathematica, or whatever works for you. If you don't know how to make the object yet, then tell me what you think you need and we will figure out what you should learn about.
- Write your proposal as a detailed entry in your journal with the following outline:
  - Project name:
  - Description of the project:
  - How this project goes beyond my initial prints:
  - Why the object I want to print is interesting and/or should exist:
  - What will be used to design this object, and how: