Start time: 2:00 pm

Ent time: 3:09 pm

Guest: David Edelen

### Topics:

Weight vs Strength

* Must be very clear in the thesis if trying to defend the reason for this measurement
* David: makes sense to have this

Thesis

* Introduction
  + No problem identification
    - The data analysis should solve the problem we identified
  + Time constraint, cost effectiveness
  + **Voids cause the loss of integrity of the structure but it can be restored using additive manufacturing**
  + Isn’t the proof of concept technically our problem? Since the proof of concept is 3D printing voids to make damaged parts the same or even stronger than undamaged parts?
  + **Spiral Develepment**
    - Make sure you identified a problem and researched to solve it, not found a solution and made it the best fit.
* Lit Review
  + For the sake of seeing what has already been done or accomplished or open questions
  + Tailor the words to lead to why our problem is worth solving and exploring
* Methodology
  + **Use the pictures**
    - Set up, the work, explanation of parts (pictures of T1, T2, etc)
  + Repeatability of testing
* Results
  + Discuss later

A Good Thesis

* A clear identification of a problem
* A duration and work done during the duration of time spent
* **Future work:** what we’ve done and what we think future researchers can continue to research using the work we have done
  + There’s always something more to do

Ghantt Chart

* A lot of time spent on Chapter 2 than Chapter 1
  + Shift the time from Lit Review into the **Introduction and Experimentation**
* Try to finish **Results** before semester ends

Thesis writing

Pink team (rough outline), red team (writing), white glove (finishing touches and proof?

**Action Items**

1. Pink team draft → maybe the whole thesis?
2. Assignment of people to sections
3. Rip out anything that doesn’t support the problem
4. Updated Gantt Chart with names of responsibility
5. Check with Gemstone of money left
   1. Where will the money go to? Spend?
6. Follow up emails