90 fails in the middle (somewhere along the length)

45 experiences shear failure at 45

0 is strong, highest failure strength (brooming failure?), unexpected

Before testing, measure the dimensions

For width and thickness, do 5 measurements along the length, and take the average

For length, it’s the distance between the two tabs

Specimen mounting:

* Control the heads of the mounting using the panel (Jog Up and Down buttons)
* Make sure the tabs are inside the heads properly (Side view will tell you)
* Make sure specimen aligns with the mark on the bottom head
* Tighten the head
* Use the bubble thingy to align the specimen with the head properly (Make sure the horizontal bubble is in the middle)
* Always tighten the bottom first
* After mounting the sample, mount the digital extensometer (HANDLE WITH EXTREME CARE. EXPENSIVE LOL)
* Mount it in the middle of the sample

Instrument Operation:

* Click balance force (Zero the force) BEFORE MOUNTING
* Choose Tension\_Flat\_Slow\_Data
* Enter sample name (GroupName\_LaminateAngle)
* AE 461 Course
* Enter Composite for Material
* Choose orientation angle
* Don’t change crosshead speed
* Click Before Test button and zero the strain and zero the displacement
* Don’t change width stuff
* Don’t kill everyone (tell everyone to move lol)
* After unmounting the sample after failure, click “Calculating” button, then At Finish
* CLICK NO WHEN IT ASKS IF YOU WANT TO START ANOTHER TEST