Since I struggled so much with the probability distribution version, I tried using the minheap version. I had the challenge of remembering how those worked, I had to dust off some cobwebs from when I learned about them a couple semesters ago. It was messing up at first so I had to add a counter, it looked like it was an issue with python. The issue of keeping track of the scoring was still a pain since they are so similar and there are many of them, as well as the SLA100/191 additions.

This schedule output makes a lot more sense, and so do the scores. There are occasionally hiccups but that was to be expected. I believe the randomness element makes it literally impossible to not have this minor mistakes so I didn't worry about it too much. I also think that is one of the reasons you are having us do this assignment and introducing us to this idea of genetic algorithms and how they aren't perfect.

Like I mentioned in my other page for my other version, I would change the fitness function to be more punishing and rewarding to really crack down on the things we don't want like double booking facilitators, overlapping class times, and far classrooms in short times. I would also just pick the best schedule from the overall selection instead of the last generation, that would be what makes sense to me, but I believe you are just doing this to show how the genetic algorithm works.

I definitely still have no bragging to do, I didn't like how confused this assignment made me. It took a while for me to wrap my head around what was really happening, and I still feel a little lost and hopeful that I did it correctly, which is why I made two versions.