**Thursday**

9-10: Introductions/ Syllabus

* Project examples
* Data in-hand

10 – 10:30: What is GIS

10:30 – 10:45 Break

10:45- 12:00: GIS Basics DATA: bigfoot occurrences and download data from naturalearth

12:00-1:00: Lunch

1:00 - 1:45 Projections lecture

1:45 – 5:00 Lab 1

**Friday**

9:00-9:30: Homework review. 5 groups of 3 peer review for 15 minutes. Then 3 random maps shown to class for 10 minutes

9:30 - 11:00 Lab 2 projections & break

11:00 - 12:00 Deep dive Vector DATA: State populations

12:00 – 1:00 Lunch

1:00 – 2:30: Vector Lab

2:30 – 2:45 Break

2:45 – 3:15: Deep dive Raster

3:15 – 4:30: Raster lab

4:30 – 5:00 Come up with project ideas for tomorrow

**Saturday**

9:00 – 9:30: homework review

9:30 – 11:00: Project discussion (can break into small groups)

* Prepare 3 slide max project idea to pitch on Sunday

11:00 – 11:15 Break

11:15 – 12:00 GPS lecture

12:00 – 1:00 Lunch

1:00-2:30 GPS lab Needs some updates

2:30 – 3:30 Remote Sensing

3:30 – 5:00 NDVI lab

**Sunday**

9:00 – 9:30 homework review

9:30 – 10:30 Georeferencing a map follow along DATA: Quad map

10:30 – 10:45 Break

10:45 – 12:00 Raster calculator follow along: DATA: rasterCalc.zip

12:00 – 1:00 Lunch

1:00 – 2:30 Pitch independent projects

2:30 – 5:00 Spatial analysis DATA: NCEP module

**Monday**

Make-up work

Topic review

Independent Project Development