Week	Date	Assignments	Readings (before class)	Lecture	Computer Lab
0	9/20/18			Lecture 1: Introduction to climate data analysis	
	9/21/18	Pre-lab 1 due 8 am	Course syllabus		Lab 1: Intro to Python, Jupyter, print statements, math expressions, variables
1	9/24/18	Pre-lab 2 due 8 am	GISTEMP reading due	Lecture 2: Surface temperature anomalies; GISTEMP time series	Lab 2: Functions, modules, Markdown, basic plots
	9/26/18	Pre-lab 3 due 8 am			Lab 3: Lists, arrays, reading csv files
	9/27/18			Lecture 3: Trends in surface temperature anomalies	Lab 3 (cont)
	9/28/18	Pre-lab 4 due 8 am			Lab 4: Basic trend calculation using linear regression
2	10/1/18	**HW 1 draft due 8 am**	Tropical Storm reading due	Lecture 4: Tropical storms and global warming	HW 1 discussion
	10/3/18	**HW 1 final due START of class**			Lab 5: Histograms, bar plots.
	10/4/18	Pre-lab 6 due 8 am			Lab 6: Printing, formatting strings, tables
	10/5/18				Lab 6 (cont)
3	10/8/18	**HW 2 draft due 8 am**			HW 2 discussion
	10/10/18	**HW 2 final due START of class**		Karen gone (UCAR meeting). Guest lectures (TBD)	Karen gone (UCAR meeting)
	10/11/18			Karen gone (UCAR meeting). Guest lectures (TBD)	Karen gone (UCAR meeting)
	10/12/18			Karen gone (UCAR meeting). Guest lectures (TBD)	Karen gone (UCAR meeting)
4	10/15/18	Pre-lab 7 due 8 am	Modeled precip reading due	Lecture 5: Precipitation in climate models	Lab 7: Xarray; reading NetCDF data, metadata; 2-D plots.
	10/17/18				Lab 7 (cont)
	10/18/18	Pre-lab 8 due 8 am			Lab 8: Slicing data; global, zonal, time averages
	10/19/18	Partial HW 3 draft due			Lab 8 (cont). Work on HW 3
5	10/22/18	**HW 3 draft due 8 am**			HW 3 discussion
	10/24/18	**HW 3 final due START of class**	Snow cover reading due	Lecture 6: NH snow cover observations	Projects overview
	10/25/18	Pre-lab 9 due 8 am		Lecture 7: Probability, distributions, central limit theorem	Lab 9: Intro to the data set
	10/26/18	Pre-lab 10 due 8 am			Lab 10: Probabilities, distributions
6	10/29/18			Lecture 8: Hypothesis testing	
	10/31/18	Pre-lab 11 due 8 am			Lab 11: Statistical tests; scipy stats
	11/1/18	Pre-lab 12 due 8 am			Lab 12: Loops
	11/2/18				Work on HW 4
7	11/5/18	**HW 4 draft due 8 am**	Vostok reading due	Lecture 9: Vostok ice core; correlation and linear regression	HW 4 discussion
	11/7/18	**HW 4 final due START of class**		Lecture 10: Correlation and linear regression	Lab 13: Intro to the data set
	11/8/18	Pre-lab 14 due 8 am			Lab 14: Interpolation, correlation, least squares linear regression
	11/9/18	**Project ideas due START of class**			Work on HW 5, Projects
8	11/12/18	**HW 5 draft due 8 am**		Mini-lectures as needed, based on interest (missing data, extremes, attribution, etc.)	HW 5 discussion
	11/14/18	**HW 5 final due START of class**			Projects, Mini-labs as needed
	11/15/18	**Project plan due START of class**	Documentation for your data set		Projects
	11/16/18				Projects
9	11/19/18				Projects
	11/21/18				Projects
	11/22/18			Thanksgiving Holiday	
	11/23/18			Thanksgiving Holiday	
10	11/26/18	**Draft Papers due START of class**			Projects, peer editing
	11/28/18				Projects
	11/29/18			Review, Student Presentations?	Projects
	11/30/18	**Papers due**		Student Presentations	Cookies