HIGH SCHOOL INITIATIVE IN REMOTE SENSING
OF THE EARTH SYSTEMS SCIENCE AND TECHNOLOGY
JUNE 28, 2018 TO AUGUST 14, 2018

Weekly agenda for the Weeks 2 through 7

WEEK 2 (Jul 2 -6, 2018)

Time	Monday, Jul 2, 2018	Tuesday, Jul 3, 2018	Wednesday, Jul 4, 2018	Thursday, Jul 5, 2018	Friday, Jul 6, 2018
10:00 -12:00 Noon	Research Presentation	Research Project Assignment	HOLIDAY	GIS Course begins (Tarendra Lakhankar) (T424)	CARY Institute REU Day and Field Trip (7:00 AM to 5 :00PM)
12:00-1:00 PM	Lunch Break	Lunch Break		Lunch Break	
1:00-3:00 PM	Boot Camp – Statistical Analysis part II	STEAM – Irondale		GIS Course (T424)	
3:00-4:30 PM	Big Data and Data Visualization	Campus Tour (Tentative)			

WEEK 3 (Jul 9-13, 2018)

Time	Monday, Jul 9, 2018	Tuesday, Jul 10, 2018	Wednesday, Jul 11, 2018	Thursday, Jul 12, 2018	Friday, Jul 13, 2018
10:00 -12:00 Noon	GIS Course (Tarendra Lakhankar)	GIS Course Lecture (Tarendra Lakhankar)	Introduction to Remote Sensing (Brian Vant Hull) *Classwork: RS physics*	Introduction to Remote Sensing – making images with Python Functions and Logic CWK: Function to read a file (Brian Vant Hull)	**Remote Sensing Course** Graphing and analyzing data *Quiz: Thermal Radiation*
12:00-1:00 PM	Lunch Break	Lunch Break	**LUNCH Provided** *Brown bag with HIRES interns and* **Focus Group/meeting**	Lunch Break	Lunch Break
1:00-3:00PM	GIS Lab 3	GIS Project	Arrays and Python	Thermal Radiation theory	Group division for project
3:00-5:00PM	GIS Project	GIS Project Presentation	Reading text files *Quiz: RS physics*	Making thermal images-python *Quiz: arrays and color*	Work on project

WEEK 3 (Jul 16-20, 2018)

Time	Monday, Jul 16, 2018	Tuesday, Jul 17, 2018	Wednesday, Jul 18, 2018	Thursday, Jul 19, 2018	Friday, Jul 20, 2018
10:00 -12:00 Noon	Conclude RS project with Python (Brian Vant Hull)	**Statistical Analysis in Python** Analyze statistical distributions of remote sensing variables	**Statistical Analysis in Python** Analyze weather station observations	**Potential Field Trip – Simulation of Weather Balloon Launch (Stony Brook, Long Island, NY)**	**Python Project**
12:00-1:00 PM	Lunch Break	Lunch Break	LUNCH **Brown Bags (**_Bring own lunch_**)**		Lunch Break
1:00-3:00 PM	**RS in Python**	Analyze time series of remote sensing data	**GIS In Python** Georeferenced weather stations against RS data		**Python Project**
3:00-5:00 PM					
	CWK: Use code written in RS as Python library	**Statistical Analysis in Python** Analyze statistical distributions of remote sensing variables	_CWK: Compare remote sensing data to weather station data_		**Python Presentation**

Note: Mayumy Cordova – will be the TA for RS and Python and Jahnelle Howe/Shubhashish Arga will be the TA for GIS

WEEK 4 (Jul 23-July 27, 2018)

Time	Monday, Jul 23, 2018	Tuesday, Jul 24, 2018	Wednesday, Jul 25, 2018	Thursday, Jul 26, 2018	Friday Jul 27, 2018
10:00 -12:00 Noon	Research Training Immersion (in your assigned research lab under the supervision of your CREST Advisor and Graduate mentors)				
12:00-1:00 PM	Lunch Break	Lunch Break	LUNCH **Brown Bags (**_Bring own lunch_**)**	Lunch Break	**Family day at 12:00 to 5:00PM**
1:00-2:00 PM	Research Training (in your assigned research lab under the supervision of your CREST Advisor and Graduate mentors)				
2:00-5:00PM					

WEEK 8 (July 30 -August 3 2018)

Time	Monday, Jul 30, 2018	Tuesday, July 31, 2018	Wednesday, Aug 1, 2018	Thursday, Aug 2, 2018	Friday, Aug 3, 3018
10:00 -12:00 Noon	Research Training and preparation of the Research Poster (in your assigned research lab under the supervision of your CREST Advisor and Graduate mentors)				
12:00-1:00 PM	Lunch Break	Lunch Break	LUNCH _Brown bag with HIRES interns_	Lunch Break	Lunch Break
1:00-2:00 PM	Research Training (in your assigned research lab under the supervision of your CREST Advisor and Graduate mentors)				**All research posters are due**
2:00-5:00PM					

WEEK 9 (August 6-August 10, 2018)

Time	Monday, Aug 6, 2018	Tuesday, Aug 7, 2018	Wednesday, Aug 8, 2018	Thursday, Aug 9, 2018	Friday, Aug 10, 2018
10:00 -12:00 Noon	Research Training and preparation of the Research Poster (in your assigned research lab under the supervision of your CREST Advisor and Graduate mentors)			**Reflection, Evaluation/Post and Exit Surveys** <u>Lunch will be provided</u>	**AmNH Trip**
12:00-1:00 PM	Lunch Break	Lunch Break	LUNCH Provided _Brown bag with HIRES interns and_ **Focus Group/meeting**		**End of Summer Research Symposium will be held on**
1:00-2:00 PM					

| 2:00-5:00PM | *Presentation Practice sessions (T-424)* | | **Tuesday August 14, 2018 in the Great Hall, CCNY** |