Summer 2018 – PGEOG 13000: Weather and Climate Lab (Tentative Schedule)
Lab 01 [1883] Rm. 1028 MW 3.30-5.35pm

Instructor: Henry Sirotin
E-mail: hsirotin@hunter.cuny.edu – Please include PGEOG 13000 in the subject line. Please sign all messages with your first and last name as it appears in CUNYfirst. Note, I don't respond to unsigned messages from kissmesweetie2454@.....

Textbooks:
Required Lab Manual:
- Greg Carbone, *Exercises for Weather and Climate, 9th ed.* Pearson, 2016 ISBN-10: 0134041364, ISBN-13: 9780134041360.
- <u>DO NOT PURCHASE EARLIER OR USED EDITIONS</u>. USED EDITIONS WILL BE MISSING SECTIONS, AND SEVERAL OF THE LABS HAVE BEEN SIGNIFICANTLY CHANGED FOR THIS EDITION.

Schedule:

> **Make sure you've read labs prior to class time THERE WILL BE PRE-QUIZZES TO THE LABS!**

Lab Manual No.	Date	Title	Questions to Complete	PreQ	Lab Due Date	MapQ
Appendix	5/30	Location	Part I: 1-2; Part II: 1-4		6/4	
	5/30	Time	Part I: 1-4; Part II: 1a & 1b		6/4	
	5/30	Isolines	Part I and Part II		6/4	
1	6/4	Vertical Structure of the Atmosphere	1-18	1	6/9	Australia Pacific
2	6/9	Earth-Sun Geometry	1-6 [for 4-6, use analema], 9 -13; 17-19 [For 1, compute the solar angle for all eight positions.] Give radiation values for all solar angles	2	6/11	North America
3	6/11	The Surface Energy Budget	1-15, 20	3	6/13	South America
13	6/13	Hurricanes	1-17		6/18	
5	6/18	Atmospheric Moisture	10-24	4	6/20	Europe
6	6/20	Saturation and Atmospheric Stability	1-16, 18-25	5	6/25	Africa
9	6/25	Weather Map Analysis	1--9	6	6/27	
10	6/27	Mid-Latitude Cyclones	1-17	7	7/2	Western Asia
14	7/2	Climate Controls	1-18, 20-21	8	7/9	Central Asia
15	7/9	Climate Classification	1-2, 4-25	9	7/11	Southern Asia
16	7/11	Climate Variability	1-23		7/11	

Labs *must* be turned in at the BEGINNING OF THE FOLLOWING lab.
No lab will be accepted more than one week after the due date!

- Labs *must* be neat, <u>*with units included in the answer*</u>, all work must be shown where appropriate & pages should be stapled. ONLY TURN IN THOSE PAGES ON WHICH YOU'VE ANSWERED QUESTIONS.