

Summer Course in Atmospheric Chemistry and Physics (ACP)

**Schedule**

106 Life Science Building

[York University \(See Map\)](#)

**Tuesday, August 21**

*Coffee and bagels, etc. will be available for 7:30 am in Room 107*

<b>Time</b>	<b>Lecturer</b>	<b>Title</b>	<b>Tab</b>
8:00 – 9:30	Prof. Robert McLaren	Basics – Atmospheric structure and chemical reactions in the atmosphere	1
9:30 – 11:15	Prof. Jack McConnell	Radiative transfer – J values	2
10:15 – 10:30	Break		
11:15 – 12:45	Dr. Richard Leitch	Atmospheric Aerosols	3
12:45 – 13:30	<b>Lunch</b>		
13:30 – 14:30	Prof. Wayne Hocking	Radar	4
14:30 – 16:15	Prof. Peter Taylor	The atmospheric boundary layer, surface energy budgets, turbulence	5
15:15 – 15:30	Break		
16:15 – 17:15	Prof. Wayne Hocking	Dynamics in the stratosphere and mesosphere	6
17:15	END		

**Wednesday, August 22**

*Coffee and bagels, etc. will be available for 8:00 am in Room 107*

8:30 – 10:30	Prof. Peter Taylor	Basic surface meteorology measurements (& trip to weather station?)	7
10:30 – 10:45	Break		
10:45 – 12:15	Prof. Donald Hastie	Oxidation chemistry	8

<b>Time</b>	<b>Lecturer</b>	<b>Title</b>	<b>Tab</b>
12:15 – 13:00	<b>Lunch</b>		
13:00 – 14:30	Dr. Jeff Brook	Canadian Air quality	9
14:30 – 14:45	Break		
14:45 – 15:45	Dr. David Sills	Lake breezes and other mesoscale features	10
15:45 – 17:15	Dr. Paul Makar	An introduction to air-quality modelling	11
17:15	END & Proceed to Dinner @ Atkinson Restaurant, 024 Atkinson Bldg. (see map)		
17:45	<b>Dinner</b>		

### **Thursday, August 23**

*Coffee and bagels will be available for 8:00 am in Room 107*

8:30 – 10:30	Prof. Jack McConnell	Satellite measurements	12
10:30 – 10:45	Break		
10:45 – 12:00	Prof. Tom McElroy	Remote sounding of atmospheric composition; Discovery and depletion of O <sub>3</sub>	13
12:00 – 13:00	<b>Lunch</b>		
13:00 – 14:00	Prof. Baoxin Hu	Introduction to geomatics: Applications to air quality and public health	14
14:00 – 16:15	Prof. James Whiteway	Laser remote sensing on Earth and Mars	15
15:00 – 15:15	Break		
16:15	END		