

Outline: Groundwater Field School - Programme

UWC Campus

Mon, 24 to Fri, 28 June 2019

DAY 1: 24 June 2019 <i>Honours' Students only</i>	Session	Presenter
08:00-10:00	Lecture: Introduction to Geophysics - Background to the Cape Flats Aquifer and Table Mountain Group Aquifer	
10:00-10:30	Refreshments / Comfort break	
10:30 - 12:00	Guest speaker (s) from Industry	
12:00-13:00	Lunch (Gatsby's from UWC Barn)	
13:00-16:00	Field Practical: Geophysics @ UWC well field	
DAY 2: 25 June 2019 <i>All: Students & Industry</i>	Session	Presenter
08:00-10:00	Lecture: Borehole drilling, construction and logging, borehole camera	
10:00-10:30	Refreshments / Comfort break	
10:30 - 12:00	Guest speaker (s) from Industry	
12:00-13:00	Lunch - Meal of the day	
13:00-16:00	Field Practical: Borehole drilling and logging, view inside borehole with camera	
Dinner-Braai @ Campus site		
DAY 3: 26 June 2019 <i>All: Students & Industry</i>	Session	Presenter
08:00-10:00	Lecture: Hydraulics and interpretation - Aquifer Testing and interpretation of aquifer test data	
10:00-10:30	Refreshments / Comfort break	
10:30 - 12:00	Guest speaker (s) from Industry	
12:00-13:00	Lunch - Meal of the day	
13:00-16:00	Field Practical: Constant discharge test	
Dinner-Braai @ Campus site		
DAY 4: 27 June 2019 <i>All: Students & Industry</i>	Session	Presenter
08:00-10:00	Lecture: Purpose of sampling and how to collect representative samples - Different sampling techniques - Microbial sampling	
10:00-10:30	Refreshments / Comfort break	
10:30 - 12:00	Guest speaker (s) from Industry	
12:00-13:00	Lunch - Meal of the day	
13:00-16:00	Field Practical: Sample using different sampling equipment (i.e hydrasleeves and specific depth sampler) and sample for microbes	
Dinner-Pizza at Oude Welgemeod		
DAY 5: 28 June 2019 <i>Honours' Students only</i>	Session	Presenter
08:00-10:00	Lecture: Artificial Recharge (Environmental benefits and disadvantages) - How to identify sites for Artificial Recharge	
10:00-10:30	Refreshments / Comfort break	
10:30 - 12:00	Guest speaker (s) from Industry	
12:00-13:00	Lunch - Meal of the day	
13:00-16:00	Field Practical: Visit Atlantis Artificial Recharge Scheme	

