

SPATIAL Isotopes in Biogeochemistry & Ecology Course, June 11th-23rd 2017

DATE	MORNING	LUNCH	AFTERNOON	EVENING
Sun 11 th	Flight arrivals	Lunch on your own (except on field day)	Welcome dinner @ Bowen residence. Guests settle into rooms/check in. Shuttles leave from Residence Inn @ 6:00 PM	
	<i>Lecture 8:30 AM – noon in FASB 295 Mid-morning break 10:00 – 10:30 in FASB Foyer</i>		<i>Afternoon Labs 1:00 – 6:00 PM FASB 206 Ongoing breaks in FASB 303</i>	<i>Evening Lectures in FASB 295 or ASB 210</i>
Mon 12 th	Lecture 1: Scaling up isotope applications (Bowen) Lecture 2: Spatial data and spatial data analysis (Brewer)		Afternoon Lab: ArcGIS crash course/project planning (Bowen)	Open Evening
Tue 13 th	Lectures 1&2: Water in the atmosphere: First principles to dynamical models (Noone)		Field Day (1:00 – 6:00 PM) Sack Lunch Provided	Catered Dinner (7:00 PM)
Wed 14 th	Lecture 1: GIS Modeling (Bowen) Lecture 2: GIS Modeling (West)		Afternoon Lab: Run samples, Wasatch hydrology projects (Kriging)	Open Evening
Th 15 th	Lecture 1: Meteoric water in catchments (Bowen) Lecture 2: Watershed Biogeochemistry (Barnes) *Tshirt DAY!		Afternoon Lab: Wasatch hydrology projects (Runoff Model)	Catered dinner @ 6:00 PM Evening Lecture: Data Management (Khider) – in FASB 295
Fri 16 th	Lectures 1&2: Water in Plants/Nitrogen Isoscapes (West)		Afternoon Lab: Wasatch Hydrology Projects	Open Evening
Sat 17 th	Lecture 1: Strontium (Bataille) *lecture begins 9:30 AM. *Donut Day!		Complete Data Analyses and Project Write-ups	Late-afternoon Presentations Group dinner at Caputo's 7:00 with IsoCamp
Sun 18 th	<i>A Day in the Wasatch Mountains!</i>		Mountain Cook Out Alta 2:00 PM	
Mon 19 th	Lectures 1&2: Animal Migration (Wunder)		Afternoon Lab: Spatial Data Analysis in R (Brewer); Week 2 project design	Catered dinner @ 6:00 PM Evening Lecture: Remote Sensing (Powell) – in FASB 295
Tue 20 th	Lecture 1: Marine Isoscapes (Trueman) Lecture 2: Marine Isoscapes (McMahon)		Afternoon Lab: Week 2 projects (Geographic Assignment)	Open Evening
Wed 21 st	Lecture 1: Nutrients and contaminants (Kendall) Lecture 2: Ecosystem disturbance/dust (Neff)		Afternoon Lab: Week 2 projects	Catered Dinner @ 5:00 (in ASB) Evening Lecture with IsoCamp: Food (Chesson)
Th 22 nd	Lectures 1&2: Plant C isoscapes (Still)		Afternoon Lab: Week 2 projects	Open Evening
Fri 23 rd	Lecture 1: Urban emissions modeling (Gurney) Lecture 2: Urban airsheds (Lin)		Complete and Present Week 2 Projects	Afternoon Presentations followed by Graduation Dinner @ the JCC 7:00

Course Instructors

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