

SPATIAL Isotopes in Biogeochemistry & Ecology Course, June 12-24th 2016

| DATE | MORNING | LUNCH | AFTERNOON | EVENING |
|----------------------|--|---|--|---|
| Sun 12 th | Flight arrivals | Lunch on your own (except on field day) | Welcome dinner @ Bowen residence. Guests settle into rooms/check in. Shuttles leave from Benchmark Plaza @ 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 13 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 14 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 15 th | Lecture 1: GIS Modeling (Bowen) Lecture 2: GIS Modeling (West) | | Afternoon Lab: Run samples, Wasatch hydrology projects (Kriging) | Open Evening |
| Th 16 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 17 th | Lectures 1&2: Water in Plants/Nitrogen Isoscapes (West) | | Afternoon Lab: Wasatch Hydrology Projects | Open Evening |
| Sat 18 th | Lecture 1: Urban emissions modeling (Gurney) Lecture 2: Urban watersheds (Pataki) *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 19 th | <i>A Day in the Wasatch Mountains!</i> | | Mountain Cook Out Alta 2:00 PM | |
| Mon 20 th | Lecture 1: Strontium (Bataille) Lecture 2: Human Migration (Knudson) | | 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 21 st | Lectures 1&2: Animal Migration (Wunder) | | Afternoon Lab: Week 2 projects (Geographic Assignment) | Open Evening |
| Wed 22 nd | Lectures 1&2: Marine Isoscapes (Trueman) | | Afternoon Lab: Week 2 projects | Catered Dinner @ 5:00 (in ASB) Evening Lecture with IsoCamp: Food (Chesson) |
| Th 23 rd | Lecture 1: Plant C isoscapes (Still) Lecture 2: Land-atmosphere C flux (Miller) | | Afternoon Lab: Week 2 projects | Open Evening |
| Fri 24 th | Lecture 1: Nutrients and contaminants (Kendall) Lecture 2: Ecosystem disturbance/dust (Neff) | | Complete and Present Week 2 Projects | Afternoon Presentations followed by Graduation Dinner @ the JCC 7:00 |

Course Instructors

| Name | Affiliation | URL | email |
|-------------------------|------------------------|---|--|
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