

Welcome to the 2010 Field Inquiry Research Experience!

June 14-July 2 2010

Instructors: Robert Beckwith 899-1331 Gina Lockwood 860-2981 Steve DeMers 938-9352 Tobey Jossis 484-1095

Class hours: 8am-4pm daily, June 8-26th

* Field work days 7am-7pm

** 10am starting time days

WEEK 1 MVHS

Monday 14 8:00 Guest Speaker: **Cindy Baldwin**, (NNU) Concurrent College Credit registration
Introductions, Scope and Sequence of the course
9:00 Guest Speaker: (BLM) Firewise
10:30 What is GPS? Practice with Garmin rhino 110 outside
12:00 1:00 **Lunch Provided from Subway**
1:00 Guest Photographer
2:00 Digital Cameras Use and Practice
3:00 Match Lab Demo on Fire Behavior
3:30 First Aid Procedures for the field

Tuesday 15 8:00 Introduction to Oregon Trail Fire, Guest Speaker: Chief Doan
9:00 Introduction to RedZone Survey-Structures
Using a Personal Digital Assistant (PDA)
10:00 Practice RedZone Survey on a structure at MVHS
12:00 Vegetation Scavenger Hunt Boise Foothills (**Bring your own Lunch**)
3:00 Travel back to MVHS—
Field Trip Preparation for RedZone Survey Boise Heights
Pack your own lunch for Wednesday in the field
Wear your FIRE-Up T-shirts for Wednesday

Wednesday 16 8:00 Load Vehicles, Backpacks, Equipment, etc.
Travel to Boise Heights; Meet Mike Merz Homeowner Association
9:00-3:30 Conduct RedZone Home Surveys on Assigned homes

Thursday 17 8:00 Guest Speaker: **Dr. Dan Nogales**, NNU Dean of Health and Science
8:30 File Management Techniques-access to laptops, downloading images, software access (RedZone)
12:00-12:30 Lunch on Campus-Bring your own
12:30 Student Research Project/Past FIRE-Up Student Guest
1:00 Discuss Boise Foothills campout
RedZone 2 Occluded Spaces and FIRE-Mon Introduction
3:30 Discuss float trip and field precautions
Pack your own lunch for Friday's float trip

***Friday 18 Float Trip: Boise River**

7:30 Load Vehicles and travel to put in

9:30 Conduct Survey on a Boise Occluded Space using RedZone 2 and FIRE-Mon

2:30 Travel back to MVHS

3:30 Final Camp-out Preparation

WEEK 2 In the Field

***Monday 21 7:00am Departure** for 2009 Boise Foothills Study Area

Camp set-up (yurts, kitchen area, sanitation stations)

Pack up lunches and all vehicles travel to Boise Occluded Spaces

- 4 vehicles with 6 students in each (3 groups each vehicle)

Conduct RedZone 2 Boise Occluded Spaces and FIRE-Mon Surveys

4:30 2 vehicles return to start Dutch-Oven Dinner

6:30 Dinner for all

Boise River Invertebrate Study lead by **Brad Abbott**

Dessert and Camp Fire debriefing

10:30 Lights out

***Tuesday 22 7:30 Breakfast in camp/Prepare your lunches**

Wear your FIRE-Up T-shirts in Field!

8:30 Depart for Study Areas

Continue and finish the RedZone 2 Boise Occluded Spaces and FIRE-Mon Surveys

4:00 Travel back to camp and begin dinner

7:00-8:30 Dutch Oven Dinner with invited guests

9:00 Camp Fire discussion of student research projects/dessert

10:30 Lights out

Wednesday 23 7:30 Breakfast in camp/Prepare your lunches

If needed, travel back to study areas to finish up Surveys

1:30 Travel back to MVHS/unload/unpack

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**MVHS**

**\*\*Thursday 24 10 am start time ☺ Lunch on Campus/Leftovers**

Transfer field data onto classroom laptops

Project Summary-discuss products to be produced - student assignments solidified

Teams download field data (PDA, GPS & Camera photos) onto laptops

Teams decode and analyze field data (using Word, PowerPoint, Excel)

3:00 Product Production begins!

**Friday 25 8:00 Continue to work on projects**

4:00 Complete any Data Transfer  
**Lunch on Campus/bring your own**

**WEEK 3 MVHS**

**Monday 28** 8:00 Wrap up from Friday--done by 9a.m.

8:30-4:00 Begin GIS ArcView mapping project

- Make one or more GIS 'Views' for your Research Project (w/topographic maps, aerial photos, GPS waypoints, etc.)
- Guest Speaker: (BSU) GIS Certified Instructor **Charlla Adams**

After Lunch:

- Storyboard your GIS map Layout (w/text, photos, views, legends, etc., *see checklist*)

Begin Research Project GIS map Layout:

- Page setup, neat lines, title, adding text (fonts, colors, graphics, effects), north arrow, etc.

**Tuesday 29** 8:00 Continue Research Project GIS map Layout:

- adding Views
- adding Legends
- adding Photos (from powerpoint slides or jpeg files)
- adding authors, date, logos, resources, etc.

**Wednesday 30** Guest Speaker: **John Courtright** (BLM), GIS Specialist

- Present Research Projects to instructors for review/revision
- Revise Research Project GIS Layouts
- Request Instructors final approval
- Send GIS Layout to plotter

**Thursday July 1** Construct Tri-folds of GIS map Layouts

Practice Presentations

- Save all files to thumb drive (data folders, Ppts. GIS, research paper, photos, etc.)
- Finalize GIS layout projects on laptops, oral presentations, tri-folds

Gather all project products and equipment

**Dress for success for Friday—professional attire for presentations!**

**Friday July 2** 8:30 Travel to City Hall/Set- up Tri-folds

10:00-2:00 Showcase your work!!! (Lunch provided)