

**NRM 290: Resources Management Issues at High Latitudes**  
**Field Course**  
**2-credits, Letter Grade (A, B, C, D, or F)**

**May 12-21, 2003**

**Faculty Course Coordinators:**

**Peter Fix**

Assistant Professor of Outdoor Recreation  
Telephone: 474-6926  
Fax: 474-6184  
Email: [ffpjf@uaf.edu](mailto:ffpjf@uaf.edu)

**Dave Verbyla**

Professor of Geographic Information  
Systems  
Fax: 474-6184  
Email: [ffdlv1@uaf.edu](mailto:ffdlv1@uaf.edu)

**Dave Valentine**

Assistant Professor of Forest Soils  
Telephone: 474-7614  
Email: [ffdwv@uaf.edu](mailto:ffdwv@uaf.edu)

**Expeditor:**

Justin Epting  
Telephone: 474-7298  
Email: [ftjfe@uaf.edu](mailto:ftjfe@uaf.edu)

The course is a 10-day field trip starting in Fairbanks, traveling down the Richardson Highway to the Kenai Peninsula and returning through Anchorage via the Parks Highway to Fairbanks. Each day will focus on specific components of Alaska's natural resources such as agriculture, recreation, forestry, and mining. This provides students with the opportunity to understand how resource management relates to environmental, social and economic issues in Alaska.

**Course Objective:**

"To provide a broad perspective on natural resource management issues, the practice of sustainable resource management, and resource-based economic development in Alaska."

**Course Requirements:**

Course evaluation will consist of:

1. A daily journal of the field trip discussing the resource management issues and related topics highlighted during the trip **(40%)**.
  - Students may submit their journal entries to the course coordinators for review and suggestions at the close of the trip in Fairbanks.
  - The journal final will be submitted by June 30, 2002.
2. A discussion paper on one aspect of resource management discussed during the trip **(40%)**.

Paper must be typed on 8 ½ " X 11" paper using 1-inch margins, no more than 1.5 line spacing, and no less than an 11-point font. There is a 5 pages minimum, 8 pages maximum. Grades will be based on content, organization, and grammar.

  - The paper is due June 30, 2002.
3. Instructor evaluation **(20%)**.
  - Participation in all field stops and evening meetings.
  - Contribution to discussion at field stops and evening meetings.
  - Participation in shared duties.

**Grade Distribution:**

A = 90%, B = 80%, C = 70%, D = 60%, F = < 60%

**NRM 290 Field Trip**  
**Detail of Delta Junction**

9:45	<p>Scenic view overlooking Tanana River</p> <ul style="list-style-type: none"> <li>Braided stream</li> <li>Wind erosion</li> <li>Silt deposition and soil formation</li> </ul> <p>Map of Delta area with overview of Ag projects &amp; day's schedule</p> <p>History of Delta agriculture</p>
10:15	<p>Rika's Roadhouse (restrooms available)</p> <p>Interpretive signs of historic site</p>
10:30	<p>Drive through Tanana Loop and discuss as we pass:</p> <ul style="list-style-type: none"> <li>Scott Miller's Biggest feedlot operation in state <ul style="list-style-type: none"> <li>cow-calf operation</li> </ul> </li> <li>Paul Knopp's Tie stall barn, milks in the tie stall instead of a parlor <ul style="list-style-type: none"> <li>Milks approx. 90 holstein cows</li> <li>milks 3 times per day</li> </ul> </li> <li>New Hope Farm <ul style="list-style-type: none"> <li>One of several religious communal operations in Delta area, others include Whitestone Farms, Dry Creek, Eagle Ridge and Living Word Ministries</li> </ul> </li> <li>Pete Fellman's <ul style="list-style-type: none"> <li>Freestall barn</li> <li>Dairy with milking parlor</li> <li>milks 60-70 holstein cows</li> <li>considering a small cheese plant</li> </ul> </li> </ul>
11:00	<p>Clearwater campground (restrooms available)</p> <p>Discuss pristine water, concerns with sediments &amp; water pollution</p>
11:30	<p>Don Lintelman's</p> <ul style="list-style-type: none"> <li>Northern Lights milk processing</li> <li>Wood heating system</li> <li>Dairy herd</li> <li>Processes milk from the five dairy farms in the Delta Jct area</li> <li>Sometimes needs milk from Mat Maid which sends only Alaska produced milk, therefore, Northern Lights milk is the only 100% Alaska produced milk.</li> </ul>
12:15	<p>Drive to Delta Experiment Field by following route &amp; discuss:</p> <p>South on Clearwater Rd., east on Hansen Rd.</p> <p>Alaska Farmers Coop</p> <ul style="list-style-type: none"> <li>Bulk fertilizer blending plant</li> <li>Grain drying &amp; storage facilities</li> <li>Sales of grain, seed, fertilizer, &amp; pesticides</li> </ul> <p>South on Chase Lane, east on Barley Way</p> <ul style="list-style-type: none"> <li>Depth of soil along road ditch cut-banks</li> </ul> <p>South on Spruce Rd.</p> <p>Wrigley's Farm</p> <ul style="list-style-type: none"> <li>Largest hog operation in state</li> <li>Farrow to finish swine operation</li> <li>100-150 sows</li> <li>Sells to Delta Meat &amp; Sausage and to Mt. McKinley Meat &amp; Sausage</li> </ul> <p>West on Alaska Highway, north on Knight Lane</p>
12:45	<p>Delta Experiment Field (restrooms available)</p>

	<p>Lunch</p> <p>Siberian Larch plantation east of buildings</p> <p>Erosion gully east of buildings</p> <p>Discuss NRCS conservation drainage project south of highway</p> <p>Discuss student summer employment at Ft. Greely</p>
2:00	<p>Dick Karr's</p> <p>Yaks, 60 head (one of two yak herds in state)</p> <p>Income from selling breeding stock</p> <p>No commercial slaughter</p>
2:45	<p>Conservation Reserve Program</p>
3:15	<p>Wards Farms (restroom available)</p> <p>Elk, 150 head (largest elk producer in Alaska)</p> <p>Income from</p> <p>Breeding stock</p> <p>Velvet antler sales</p> <p>Considering trophy harvest sales</p>
5:00	<p>Hollembaek's</p> <p>Bison</p> <p>Elk</p> <p>Muskoxen</p> <p>Reindeer</p> <p>Sales of bison only at this time</p> <p>Makes income from tourist visits as well as bison sales</p> <p>New into Muskoxen, 2 yearling males at this time</p>
6:30	<p>Drive to Delta and discuss:</p> <p>Slaughter house</p> <p>Valdez grain facility</p> <p>Location of NRCS office, SWCS Dist. office, ACE office, etc.</p>
7:15	<p>Supper at Pizzabella</p>