ENVI 150: Views in Environmental Studies
Syllabus

Course Information

Term:	On demand
Course Title:	Viewpoints in Environmental Studies
Dept. & Number:	ENVI 150
Credits:	1
Grading	Pass/Fail
Prerequisites:	none
Dates:	TBA
Days - times:	TBA
Location:	Bristol Bay Campus

Instructor:	Dr. Todd Radenbaugh
Position:	Faculty
Phone:	907-842-5109
Fax:	907-842-5692
Email:	T.A. Radenbaugh@alaska.edu
Office Hours	Available during the date the course is offered

Text:	Course related handouts

Course Description

Discussions and activities will focus on how scientists or research technicians evaluate environmental issues. The course is intended for first year college students and community members. Specific topics may include sustainability, resource development, ecosystem management, indigenous viewpoints, building technology, appropriate energy applications, and analysis of data. Topics announced prior to each offering and course may be repeated for credit towards a certificate or degree program to a maximum of 3 credits. (1+0).

Course Goals

- Gain a better understanding of the complexities of a current environmental topic or technique

Course Outcomes:

Upon completion of this course, students will:

- Be able to make connections between society and the ecological system for a specific environmental issue.
- Develop a scientifically defensible point of view on an important issue in environmental studies.
- Be able to explain how they came to gain their view on a specific environmental issue and how it is related to civic engagement.

Instructional Methods:

Course may use one or more of the following methods: Demonstrations, lectures (face to face or distance education), student exercises, supplemental reading or research assignments, and class discussion

Course Calendar

- Course agenda will depend on the topic. The instructor will develop an agenda specific to the course topic and submit it to ENVI Program Coordinator's approval. The number of lecture hours will be consistent with UAF policy.
- Course will be one credit and last 800 or more minutes of lecture, plus 1,600 minutes of study time.

Example Class Schedule for ENVI 150:

Course Title: Viewpoints in Environmental Studies: Local Knowledge for Marine Mammal Conservation in Bristol Bay

MONDAY, Oct 28, 2013	
8:00 - 8:30 am	Coffee
8:35 - 8:40 am	Introductions of participants and presenters Pre-test on current knowledge on viewpoint – Local knowledge and protocols for studying marine mammals in Bristol Bay
8:40 - 9:40 am	Bristol Bay Marine Multi-Species Conservation Project including roles of participating Village Councils - Helen Aderman, (BBNA Natural Resources Dept.) Dr. Chanda Meek (UAF Political Science: Collaborative Research)
9:30 - 9:45 am	Being Scientific About Interviewing People - Dr. Chanda Meek (UAF Political Science) and Ilona Kemp (UAF-Alaska Sea Grant)
9:45 - 10:30 am	How to Collect Defensible Data - Dr. Todd Radenbaugh (UAF Bristol Bay Campus)
10:30 - 10:45 am	Break
10:45 - 11:45 am	Collaborative Research: Working as a Team When Collecting Data - Todd Radenbaugh Yupik and Alutiiq cultural protocols for interviewing community members. - Helen Aderman and Jaclyn Christensen (Port Heiden Traditional Council)
11:45 - 12:00 pm	Discussion on data collection
12:00 - 1:30 pm	Lunch (on your own)
1:30 - 2:30 pm	Bearded and Ringed Seal Boat Survey Research Plan and Boat Survey Protocols - Mark Nelson (ADF&G, Fairbanks)
2:30 - 2:45 pm	Break
2:45 - 3:45 pm	Marine Conservation TEK protocols - Helen Aderman, Ilona Kemp, and Chanda Meek
3:45 - 4:00 pm	Break
4:00 - 5:00pm	GPS Track and Waypoint Protocols for Boat Survey Work - Michael Knapp (Blue Skies Solutions LCC)
5:00 pm	***Homework Assignment***: use GPS to track you path back to your room and have ready to download track and waypoints into computer. ***Adjourn***
TUESDAY, Oct 29, 2013	

9:00 - 9:15 am	Coffee
9:15 - 9:30 am	Download GPS tracks into computer and share with class
9:15 - 9:45 am	Intro to the Ice Seals Committee in Barrow - Michael Pedersen (North Slope Borough Wildlife Department)
9:46 - 10:30 am	Foundation multi-year grant: Bristol Bay *Imarpiim Ungungsiit* Marine Conservation Project - Mark Nelson
10:30 -11:00 am	Traditional Knowledge on Marine Conservation TEK and Mapping Protocols - Helen Aderman
11:00 - 11:15 am	Break
11:15 - 12:00 pm	How to record TEK marine mammal subsistence data on USGS maps and practice using GPS - Michael Knapp
12:00 - 1:30 pm	Lunch (on your own)
1:30 - 2:30 pm	Work with marine conservation TEK questionnaire to collect Sea otter biology and conservation data - Verena Gill (USFWS, Anchorage)
2:30 - 2:30 pm	TASSC boat and aerial survey counting protocols to work with Sea Otters - Jaclyn Christensen (Native Village of Port Heiden) - Helen Aderman
3:00 - 4:00 pm	- Zack Stevenson (Northwest Arctic Borough): Overview of Northwest Arctic Borough Subsistence Resource GPS Data Project
4:00 - 4:30 pm	Group Discussions in improving field work on marine conservation/boat and aerial surveys for communities
4:30 pm	***Homework Assignment***: complete TEK questionnaire and comment on cultural appropriateness to Bristol Bay ***Adjourn***
WEDNESDAY, Oct. 30, 2013	
9:00 - 9:15 am	Coffee
9:16 - 10:00 am	Bearded Seal Biology; Bearded Seal Boat Survey Research Plan Bearded Seal Marine Conservation Draft TEK Questionnaire - Mark Nelson
10:00 -11:30 am	Planning of field season dates: Chignik Lagoon; Port Heiden; - Helen Aderman Planning TEK interviews for Togiak and Spring and Fall boat survey counts - Helen Aderman
11:30 am - 12:00 pm	Closing comments and Certificate of Completion Issued to participants - Dr. Chanda Meek
12:00 pm	Assessment test on knowledge learned about viewpoint – Local knowledge and protocols for studying marine mammals in Bristol Bay ***Adjourn***

Expectations of Course Participants
Participants will read assigned materials, contribute to the class discussions, and complete field or laboratory assignments. Reference and reading materials will be reviewed before the class so participants can share their learning and insights during the course.

Evaluation and Grading Policy
Course grading will be ***Pass/Fail***

Students will keep daily journals to summarize presentations, read supplemental material, and will complete a final report.

- 60% — Journal entries
- 30% — Final Project
- 10% — Participation and attendance

Students must receive a grade greater than 70% in order to ***Pass***.

Journal Requirement:

Each student will be required to keep a journal of the course lectures or sessions and make notes on what they learned.

- To complete the course all students need to log at least 14 hours of course attendance and participate for a minimum of 3 days.
- Students will log course participation in a journal. The course journal will be graded based on how well each student articulates what they learned from interactions with speakers and other participants.

Grading Rubric for Journal

	5 (Excellent)	**4 (Good)**	**2-3 (Fair)**	**0-1 (Poor)**
Content	Entries are meaningful, interesting, and help the reader understand student perspectives on content; written details focus on important content	Entries are meaningful and detail course activities; written details help the reader understand topics in interesting ways.	Entries weakly detail content or are confusing; written details help reader understand course content.	Entries are incomplete or unrelated to course content.
Comprehension of Material	Entries show evidence of conceptual understanding; Able to make connections between concepts.	Entries show evidence that conceptual understanding; Can understand most of what was being communicated.	Entries show less than half of the material was understood.	Entries show student did not understand what was being communicated.
Organization	Journal entries are logical and coherent.	Journal entries are generally logical and effective with few minor problems.	Journal entry is somewhat illogical and confusing in places.	Journal entry lacks logical order and organization.
Effort	Exceeds the requirements of the assignment; demonstrates exemplary care and detail	Fulfills all of the requirements of the assignment; shows attention to detail	Fulfills most of the requirements of the assignment; little attention to detail.	Fulfills few of the requirements of the assignment; no regard for detail
Grammar, Mechanics, Spelling, and Sentence Structure	Journal entries are written in complete sentences; no grammar or spelling errors.	Journal entries are simple bullets; few grammar or spelling errors.	Journal entries poorly organized; many grammar or spelling errors.	Journal entries are incomprehensible due to organization or spelling and grammar errors.

Final Report:
The final report in the course is designed to help students reflect upon and summarize the information covered. Students will adopt and describe their viewpoint based upon the course material following completion of the course.

- The final report will incorporate information from supplemental readings or research as well as from student journal entries based upon session attendance.
- The final report will require students to integrate course information and personal perspective in their stated viewpoint.

Grading Rubric for Final Report

	5 (Excellent)	4 (Good)	2-3 (Fair)	0-1 (Poor)
Content and Comprehension of Material	Report includes different sources of information that clearly integrate with the students adopted viewpoint. Points of view are based entirely upon information discussed in the course.	Report includes different sources of information that mostly integrate with the students adopted viewpoint. Points of view are mostly based upon information discussed in the course.	Report few sources of information that do not entirely integrate with the students adopted viewpoint. Points of view are loosely based upon information discussed in the course.	Entries are incomplete or unrelated to course content.
Organization	Report is logical and coherent.	Report is generally logical and effective with few minor problems.	Report is somewhat confusing in places.	Report lacks logical order and organization.
Effort	Exceeds the requirements of the assignment; demonstrates exemplary care and detail	Fulfills all of the requirements of the assignment; shows attention to detail	Fulfills most of the requirements of the assignment; little attention to detail.	Fulfills few of the requirements of the assignment; no regard for detail
Grammar, Mechanics, Spelling, and Sentence Structure	Report contains no grammar or spelling errors.	Report may have a few grammar or spelling errors.	Report has many grammar or spelling errors.	Report is incomprehensible due to grammar errors.

Course Policies:
Individuals enrolling in the UAF course agree to:

- To conduct themselves honestly and responsibly and to respect the rights of others according to the Student Code of Conduct (http://www.uaf.edu/catalog/current/academics/regs3.html)
- Attend course in accordance to the rules stated in this syllabus.
- Turn in all assignments at the end of the course.
- The instructor reserves the right to amend this course outline as needed.

Student Support Disability Services:
University of Alaska Fairbanks Bristol Bay Campus Student Services at:
PO Box 1070
Dillingham, Alaska 99576
907-842-5109, 800-478-5109, Fax: 907-842-5692

Support and Tutoring is available to eligible students through UAF Student Support Services or Bristol Bay Campus. Contact UAF via the Internet at http://www.uaf.edu/sssp/ or BBC by calling the toll free number at 1.800.478.5109.

Library services are available at http://www.uaf.edu/library/ or call the toll free library information number at 1.800.478.5348 and ask for the off-campus librarian.

UAF has a Disability Services office that operates in conjunction with the College of Rural and Community Development (CRCD) campuses and UAF's Center for Distance Education (CDE). Disability Services provides academic accommodations to enrolled students who are identified as being eligible for these services and insures that UAF students have equal access to the campus and course materials. If you have specific physical, psychiatric or learning disabilities and require reasonable accommodations, please let the instructor know as soon as possible so that your learning needs may be appropriately met. You will need to provide documentation of your disability to Disability Services and request a letter of accommodation. Disability Services is located in room 208 of the Whitaker Building on the UAF campus and can be reached weekdays between 8:00 am and 5:00 pm at:
Phone - (907) 474-5655
TTY - (907) 474-1827
Email - uaf-disabilityservices@alaska.edu