

FIELD EXPERIENCES IN ETHNOBOTANY & ECOLOGY**BIOL 484****Frostburg State University****Intersession 2014****3 credits****Dr. Brosi****Contact Information**

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If unavailable contact Ms. Bebe Elrick, Administrative Assistant, 301-687-4166

Course Hours

This is a blended course it will be partially online and partially in-person.

Online course schedule is below : Jan. 2nd-22ndMandatory in-person course fieldtrip: Jan. 12th-21st, Cherokee, NC. Failure to attend the course trip will result in a failing grade.

Dr. Brosi will only respond to emails from your official FSU email accounts.

Required TextbooksChiltoskey, M.U. 2010. Cherokee Words with Pictures. 6th Edition, Cherokee Publications, 55 pp.

Fariello, M.A. 2009. Cherokee Basketry: From the Hands of our Elders. The History Press. 160 pp.

Hamel, P.B. and M.U. Chiltoskey. 2002. Cherokee Plants: Their Uses—A 400 Year History. Cherokee Publications, 71 pp.

Hill, S.H. 1997. Weaving New Worlds: Southeastern Cherokee Women and Their Basketry. The University of North Carolina Press. 440 pp.

Rite in the Rain, All-Weather Universal No 374-MX, bound 8.5X11, 978-1-60134-018-4. 160 pp.

Recommended Textbooks

Weakley, A.S, J.C. Ludwig, J.F. Townsend. 2012. Flora of Virginia, Botanical Research Institute of Texas, 1572 pp. (also used in Dendrology & Plant Taxonomy)

Core, E.L. and N.P. Ammons, 1958, Woody Plants in Winter, West Virginia Univ. Press. 218 pp.

A “Rite in the Rain” 8 ½ by 11 bound yellow field notebook is **required** for the course. Please feel free to bring in additional tree and woody plant identification guides to the fieldtrip. Other useful materials include a 10X magnifying lens, a pocket knife for cutting twigs and bark, a comfortable pair of boots, rain gear, and a good winter coat.

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Course Description

Unique field course where students gain practical training and experience using ecological and ethnographic field methods. Exploration of environmental impact issues is also part of the course. A research or service learning project is required. Additional travel fees may apply. *Prerequisite: permission of instructor.*

You must complete BIOL 149, and BIOL 150 or 161, and at least one of the following BIOL 305 or 314.

Course Objectives:

- **Communication:**
 - **Writing Intensive:** you will have several tasks and assignments that are focused on writing and resulting in writing 5 pages or 2,000 words of text per day.
 - **Reading Intensive:** you will be required to read at least 400 pages of text per day. There will be required textbook reading and several online reading assignments. Evaluation of reading will occur through online reading quizzes and lecture exams.
- **Disciplinary Standards:**
 - **Biology Standards:**
 - “Ability to tap into the interdisciplinary nature of science: Biology is an interdisciplinary science.
 - Ability to understand the relationship between science and society: Biology is conducted in a societal context” (Brewer et al 2011).
 - **Ethnobiology Standards:**
 - “Connections: all living things are connected, both to each other and their environments
 - Awareness for different worldviews
 - Change: in cultures, human interactions, and the environment” (McClatchey et al. 2013).

Course Assessment

The course will be assessed using The Research on the Integrated Science Curriculum (RISC) Survey, <http://www.grinnell.edu/academic/csia/assessment/risc> for pre- and post-course survey.

Learning Objectives, Tasks, & Assessments:

Learning Objective	Task	Assessment
LO 1: <i>inventory</i> of a species used in Cherokee basketry including nomenclature (Latin, Cherokee, & English), morphology, and ecological characteristics	Task 1: Written wiki species descriptions.	Assessment 1: Rubric for written species descriptions.

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(analysis) and <i>construction</i> of a written species description online including correct terminology and references (synthesis)		
LO 2: <i>compare</i> historic and modern materials & methods for construction and dying of baskets <i>diagram</i> trends and causes (evaluation, analysis)	Task 2: Introduction in Scientific Poster, Creation of Hypotheses	Assessment 2: Rubric for poster presentation evaluation: Society for Economic Botany Morton Award
LO 3: <i>evaluate</i> the current sustainability of the resource based on supply, demand, & threats. <i>Estimate</i> and <i>predict</i> changes in supply for the sustainability of the resources (evaluation)	Task 3: Completing in the matrix sheet, Materials/Methods/Results/Conclusions in poster	Assessment 3: Rubric for poster presentation evaluation: Society for Economic Botany Morton Award

Grading Policies

Grades will only be discussed in-person during office hours or scheduled appointments. Please feel free to come by my office for clarification of your grade. Grades will not be discussed via email.

Letter grades will be based on a 100-point scale:

Neither CS nor NC are options for this course.

Late and incomplete assignments will not be accepted. Missing assignments will result in a failing grade for that particular assignment.

Final grades will be determined by a 100 point system.

Letter Grade	Point Ranges	Grade Point Value
A	90.00 – 100	4.000
B	80.00 – 89.99	3.000
C	70.00 – 79.99	2.000
D	60.00 – 69.99	1.000
F	0 – 59.99	0.000

This is a 400-level college course and expectations are appropriately high and related to rigorous quizzes, tests, and assignments. The approximate grade distribution for this level of a course on this topic with this instructor is 5% As, 25% Bs, 40% Cs, 25% Ds, and 5% Fs. An A is an exceptional grade and C is an average grade. There are no incompletes or continuing study available for this course.

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Task	Category	Weight by % of grade	Point Value
1	Pre- & Post-RISC	10%	5 points each pre/post RISC survey, 10 pt.
2	Participant Response Survey	10%	5 points each, course and fieldtrip, 10 points total
3	Discussion Board	15%	150 points 5 daily discussion board entries & responses
4	Blog	5%	50 points, online midterm exam
5	Abstract	15%	150 points 5 daily entries, 30 pts. each
6	Wiki	15%	150 points, Picking species: 10 pts. Draft 1: 40 pts., Draft 2: 50 pts., Final Draft: 50 pts.
7	SEB Poster	15%	150 points, Draft 1: 50 pts., Draft 2: 50 pts., Final Draft: 50 pts.
	Total	100%	100 points

All tasks are due by 2pm and will be available online using blackboard. Any technical difficulties need to be addressed with FSU helpdesk at 7777.

Task 1: Pre- & Post-RISC Survey: 10 points, 10%

Completion of the RISC pre- and post- course survey is required. You must submit documentation of completing the survey to receive credit. The surveys each will account for 5 points. Both RISC surveys count for 10 points or 10% of the final grade.

Task 2: Participant Response Survey: 10 points, 10%

There will be both a course and a fieldtrip participant response survey. Each survey is worth 5 points and can be taken on Blackboard. Both Participant Response Surveys count for 10 points or 10% of the final grade

Task 3: Discussion Board: 15%, 150 points

There will be a required discussion board questions and responses. Discussion board responses are due by 2pm.

Task 4: Abstract: 20%, 20 points

An abstract will be submitted online for the Society for Economic Botany Meeting

Task 5: Wiki: 15%, 15 points

Throughout the course you will be working on your own unique contribution to your group's wiki. This wiki will focus on a particular plant used by the Cherokee in traditional basketry construction or dying. This entry will include the common

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name in both English & Cherokee, the scientific name, and the family. The first draft of your wiki will include at least 10 different scientific citations on the uses of the plant and will be worth 5 points. The second draft is worth 10 pts. and will include all elements of the wiki for peer- and instructor review. The final draft of the wiki must include photographs and unique information from the fieldtrip. A sample layout of the wiki will be provided and must be used as a template.

Task 7: Poster: 20%, 20 points

In addition to the above wiki on your plant you will produce a Poster within PowerPoint with your group. The poster will meet the guidelines provided by the Society for Economic Botany. The poster will include all the information from the wiki in poster format. Each draft of the poster, 1, 2, are worth 5 points. The final poster is worth 10 points. The combined poster grade is worth 20 points or 20% of your grade.

Attendance and Participation

Attendance and active involvement in the fieldtrip and online discussions is expected. Be sure to read all assignments and be prepared to summarize the material.

Inclement Weather

Even if courses and labs are canceled digital assignments are still due. Be prepared to attend labs outside in rain, snow, and cold.

Question: Do you identify yourself with a specific ethnicity or culture? Email the instructor with your cultural identity.

Academic honesty and misbehavior

The statement on academic dishonesty in the Pathfinder is in effect. Cheating in any capacity in this course will not be tolerated. If cheating or plagiarism is encountered, the instructor may administer a grade of zero or an F in the class depending on the severity of the incident. Students are expected to abide by the University's Code of Student Conduct and disruptive behavior in the classroom may result in an administrative withdraw.

The instructor expects professional behavior during the fieldtrip. Failure to adhere to University rules, proper etiquette, and professional behavior will result in failure from the course. There will be no use of alcohol or other drugs during the fieldtrip. If a student's behavior is outside of these expectations the student will not be allowed to ride in the University van back to Frostburg State University. The student will be financially responsible to provide their own transportation back to the University from the fieldtrip location.

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Accommodations for students with disabilities

Frostburg State University is committed to providing equal educational opportunities for students with documented disabilities. Students who require disability services or reasonable accommodations must identify themselves as having a disability and provide current diagnostic documentation to Disability Support Services. All information is confidential. Please call 4483 or visit 150 Pullen Hall for more information. If you are unable to participate in hiking during labs you must inform the instructor during the first day of class.

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Schedule

#	Date	Material & Reading	Assignment
1	Jan. 2	Pre-test, RISC online	RISC Screenshot 1
2	Jan. 3	Online orientation due	Orientation Materials
3	Jan. 6	Finish Fariello Book	Discussion Board
4	Jan. 7	Finish Hill Book	Discussion Board
5	Jan. 8	Abstract Work	Abstract Draft
6	Jan. 9	Abstract Final	Final Abstract
7	Jan. 10	Poster Draft	Poster Draft 2
	Jan. 12	<i>Fieldtrip: Cherokee, NC</i> Hamel & Chiltoskey	vans leave at 6 am
8	Jan. 13	<i>Fieldtrip: Cherokee, NC</i>	
9	Jan. 14	<i>Fieldtrip: Cherokee, NC</i>	
10	Jan. 15	<i>Fieldtrip: Cherokee, NC</i>	
11	Jan. 16	<i>Fieldtrip: Cherokee, NC</i>	
12	Jan. 17	<i>Fieldtrip: Cherokee, NC</i>	
13	Jan. 20	<i>No class: MLK Jr. Day</i>	
14	Jan. 21	Poster Draft 2	Poster Draft 2
15	Jan. 22	Post-course survey, RISC	Final Poster, RISC Screenshot 2

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Course Checklist:

Location	Assignment #	Description	Pts	Due	Complete
Begin Here	Orientation Assignment 1:	<i>Sending an email</i>	1	Jan. 3 rd 2 pm	
	Orientation Assignment 2:	<i>Assignment Feature: upload syllabus</i>	1		
	Orientation Assignment 3:	<i>Course Participant Responsibility Worksheet</i>	1		
Begin Here Discussion Board	Orientation Assignment 4: Student Introductions	Make your introductions to the students on the discussion board (Introduction thread due by Jan. 3 rd)	1		
Lessons: Part 1	Part 1: Assignment 1 RISC Pretest	Screenshot uploaded of RISC pretest	5		
Groups	Part 1: Assignment 2 Group Selection	Within groups selecting the group that I will work with	1		
Discussion Board	Part 2: Assignment 1, Fariello: Q1, Q2, & Q3	Discussion of Fariello Book: Responses from reading Fariello	5	Jan. 6 th 2 pm	
	Orientation Assignment 4: Student Introductions	Replies to at least 2 of your classmates	1		
Groups	Part 2: Assignment 2, Blog: Hypothesis	State your hypothesis	5		
	Part 2: Assignment 3, Wiki Data 1	Start your data collection	5		
Discussion Board	Hill: Q1, Q2, & Q3	Discussion of Hill Book: Responses from reading Hill	5	Jan. 7 th 2 pm	
Groups	Wiki: Data from 6 sources	Enter your data on the Wiki	10		
	Part 2: Assignment 2, Blog: Poster Intro. Abstract: Draft 1	<i>First draft w/ intro & methods</i>	5		
Groups	Abstract: Draft 2	<i>Second draft of abstract w/ results</i>	5	Jan. 8 th 2 pm	
Groups	Final Abstract	<i>Final Abstract</i>	10	Jan. 9 th 2 pm	
Groups	SEB Poster: Draft 1	<i>First draft of SEB poster (1 per group)</i>	5	Jan. 10 th 2 pm	
	Fieldtrip Assignment 1	Knowledge Test based on readings & materials online	10		
	Fieldtrip Assignment 2	Fieldtrip Participant Responsibility Worksheet	1		
Fieldtrip	Data Collection & Pictures			Jan. 13	17 th
Groups	SEB Poster: Draft 2	<i>Second draft of poster submitted, including pictures (1 per group)</i>	5	Jan. 21 st 2pm	
Groups	SEB Poster: Final	<i>Final draft of poster submitted</i>	10	Jan. 22 nd 2 pm	
Lessons	RISC Posttest	Screenshot uploaded of posttest	5		
TOTAL			102	Jan. 22	

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