

Submit originals and one copy to the Faculty Senate Office  
 Email electronic copy (with scanned signatures) to [jbharvie@alaska.edu](mailto:jbharvie@alaska.edu)

**REQUEST FOR A NEW MINOR**

**SUBMITTED BY:**

Department	DANSRD	College/School	CRCD
Prepared by	Rose Meier	Phone	907-474-6935
Email Contact	<a href="mailto:rmeier@alaska.edu">rmeier@alaska.edu</a>	Faculty Contact	Rose Meier

See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures/> for a complete description of the rules governing curriculum & course changes.

**PROGRAM IDENTIFICATION:**

TITLE OF MINOR:	Ethnobotany		
*Number of credits required for completion (minimum is 15):	*Unless otherwise specified by the appropriate academic unit, a course may be used more than once toward fulfilling degree, certificate, major and minor requirements. Credit hours for these courses count only once toward total credits required for the degree or certificate. Certifying that [the student has] met all major and minor requirements is the responsibility of [the student's] department faculty, who notify the Registrar's Office." From the General University Requirements section of "How to Earn a Bachelor's Degree" in the UAF Catalog.		15
Do all the required courses currently exist?			no
If not, list the corresponding New Course paperwork associated with this request:			

Applied Ethnobotany Fall (EBOT F250) and Applied Ethnobotany Spring (FEBOT 251), developed in Summer 2016, submitted for approval in Fall 2016, to be piloted Spring 2017.

**A. DESCRIPTION OF THE PROPOSED MINOR. Include reasons justifying its creation; objectives of the minor and relationship of the required courses to those objectives.**

The Minor in Ethnobotany will provide students who have completed the Ethnobotany Certificate program with the opportunity to continue their studies and earn a baccalaureate degree focused on the relationship of plants and humans, an area of emphasis that is not currently available in the UAF catalog. It will also provide students who are not in the EBOT Certificate with the option of fitting ethnobotany courses into their current Alaska Native Studies, Rural Development, or other baccalaureate programs such as Anthropology or Geography.

**Objectives of the minor:**

Ethnobotany - Minor only

This interdisciplinary program provides students pursuing a bachelor's degree with an opportunity to continue exploring the complex and invaluable relationships between humans and plants. Although rooted firmly in traditional knowledge of Alaska Natives, this program branches out to include human-plant interactions from all over the globe, comparing and contrasting both traditional and current adaptations and explores the potential for economic development of ethnobotany.

This minor will appeal to students from other disciplines, including Alaska Native Studies, Rural Development, and Anthropology.

**Relationship of required courses to the objectives of the minor:**

Coursework that is currently required for the Ethnobotany Certificate make up the core of this minor and provides quality interdisciplinary academic instruction in the areas of biology, botany, ecology, anthropology, and chemistry so that students may gain the skill sets needed to become active stewards in natural and cultural resource management in their communities. Included in each of these core courses are aspects of both scientific understanding of plants (phenology, basic biology, chemistry, etc.) and the way that these plants have been traditionally and are currently being used by both indigenous and non-indigenous cultures in Alaska and all over the globe. They also learn techniques need to collect and identify plants, how to interview Elders and others regarding these plants, and conduct their own research projects, which are shared with local communities. Students also learn that harvesting wild plants must be done in an ecologically and culturally appropriate manner, and, in the new Applied Ethnobotany course, will learn how to create their own plant-based products from seasonally-harvest wild plants.

Once they have this basic foundation, students will have the option to explore other aspects of human-plant interactions, by electing to take courses from Rural Development, Alaska Native Studies, Biology, and Geography. Over the past 8 years, we've found that Ethnobotany Certificate program students have a very broad range of interests and reasons for taking our courses. We've selected courses that encompass these other interests, including cultural and scientific content.

**B. PROPOSED MINOR REQUIREMENTS AS THEY WILL APPEAR IN THE CATALOG:**

See samples provided on page 3 of this form.

Complete the following\*:

EBOT F100—Introduction to Ethnobotany –3 credits

EBOT F200—Seminar in Ethnobotany – 1 credit

EBOT F210—Ethical Wildcrafting – 1 credit

EBOT F220—Ethnobotanical Techniques – 2 credits

and

EBOT F230 – Ethnobotanical Chemistry – 3 credits\*\*

or

EBOT F250 and F251—Applied Ethnobotany Fall and Applied Ethnobotany Spring –4 credits

Complete 4-5 credits of Advisor-approved elective course(s) at 200 level or higher, selected from related subject areas, including (but not limited to): ANL, ANS, ANTH, BIOL, and RD.

**Minimum credits required: 15**

Prerequisites: CHEM F103X or CHEM F105X or instructor permission\*\*

\* Students must earn a C- grade or better in each course



**C. ESTIMATED IMPACT**

*WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC.*

This new minor will utilize the same faculty, facilities and space of currently existing programs in Ethnobotany, Rural Development, and Alaska Native Studies. Students from other departments, such as Anthropology and Geography, may also choose to add a minor in ethnobotany to their program.

**D. IMPACTS ON PROGRAMS/DEPTS:**

*What programs/departments will be affected by this proposed action?  
Include information on the Programs/Departments contacted (e.g., email, memo)*

Department of Rural Development and Alaska Native Studies, Ethnobotany Certificate Program. Faculty and administrators of these two programs have been working together via email and face-to-face meetings to discuss development of this minor in ethnobotany since Summer 2015. This minor will provide students in the Alaska Native Studies and Rural Development programs another relevant minor available for some distance students. Although the program is not always available by distance in all regions, it is fully available in some regions with plans for expanding availability.

**F. PERSONNEL DIRECTLY INVOLVED WITH THE MINOR:**

*List faculty currently teaching the required and elective (if any) courses, with a brief statement of duties and qualifications.*

Dr. Rose Meier, EBOT Program Coordinator, recruits and advises all EBOT students, facilitates all EBOT classes (including remote field courses), liaises with all program stakeholders (Elders, instructors, students, community members, collaborating faculty within and beyond UAF, media, granting agencies).

Dr. Sveta Pasternak, UAF Anthropology faculty, developed and piloted Ethnomycology (ANTH F393) course, taught Spring 2016 and will be taught again Spring 2017.

Lisa Strecker, Anthropology Ph.D. Candidate, has taught Introduction to Ethnobotany at Effie Kokrine High School in Fairbanks for the past 2 summers. She will be updating and teaching Ethical Wildcrafting in Fall 2016, and co-developed Applied Ethnobotany Fall and Spring with Shannon Busby.

Shannon Busby, MS, has taught Ethnobotany Seminary in Spring 2016, and co-developed Applied Ethnobotany Fall and Spring with Lisa Strecker.

Dr. Sunshine Brosi, affiliate faculty from Frostburg State University has taught EBOT F100 summer field course for the past 3 years, Ethnobotanical Techniques via distance twice. She is a Quality Matters certified faculty who has revised online courses (EBOT F100 and EBOT F220) for QM approval.

Carolyn Parker, retired UA Museum Herbarium Collections Manager, has taught Introduction to Ethnobotany (EBOT F100) six of the last seven summers.

Dr. Jennifer Carroll received her Ph.D. in Anthropology from UAF in 2010 and is an assistant professor in the Rural Development program. She would be interested in teaching ethnobotany classes that emphasize the cultural aspects of the relationship between humans and plants, particularly in the area of subsistence, and the EBOT Program faculty are happy to work with Dr. Carroll to help her become an instructor for EBOT courses.

Cathy Brooks has degrees in Agriculture and Extension Education and is an assistant professor in the Rural Development Program and Faculty Advisor for the Festival of Native Arts. She is also interested in teaching ethnobotany classes and program faculty are happy to work with her to help her become an instructor for EBOT courses.

**G. RELATIONSHIP OF THE PROPOSED MINOR'S OBJECTIVES TO THE "PURPOSES OF THE UNIVERSITY".**

Include additional justifying information to support creation of the minor such as projected and present enrollments; need or public demand for the minor; support of other programs by the minor's creation, etc.

UAF's core themes:

**Educate:** Undergraduate and Graduate Students and Lifelong Learners

**Research:** To Create and Disseminate New Knowledge, Insight, Technology, Artistic and Scholarly Works

**Prepare:** Alaska's Career, Technical, and Professional Workforce

**Connect:** Alaska Native, Rural, and Urban Communities by Sharing Knowledge and Ways of Knowing

**Engage:** Alaskans through Outreach for Continuing Education and Community and Economic Development

The Minor in Ethnobotany supports several of UAF's core themes by providing new educational opportunities that will allow students to gain the credentials they need to assume leadership positions in their communities and regions across the state. This will promote economic development and community wellness, in addition to reducing the high cost of importing expertise and services. This program provides stronger connections between rural and urban communities by adding to the University's academic offerings based on Alaska Native ways of knowing.

Since its inception in 2009, the students enrolled in the Ethnobotany Certificate Program have been requesting more coursework in this area of study. In the past several years, we have responded by successfully piloting several new courses; Ethnomycology, Folk Medicine, and Intermediate Ethnobotany. We have also received encouraging feedback from a student/community surveys conducted in 2012-2013 that indicated strong interest in development of an Ethnobotany minor. This increasing student interest in the topic of ethnobotany has expanded beyond the Certificate framework now, and is evident by the fact that our students are taking our courses even if they do not fit within their current program. We would like to be able to offer them the opportunity to take more upper division courses that can lead to a minor in ethnobotany.

In fall 2016 the Ethnobotany program moved to the Department of Alaska Native Studies and Rural Development to emphasize the Alaska Native focus of the program. The placement of the Ethnobotany minor program within the Department of Rural Development and Alaska Native Studies is a good fit for all concerned. Both are based in Alaska Native relevant curriculum, and provide opportunities for students to explore topics that concern rural communities. Ethnobotany provides students with better knowledge of traditional plant use, which can provide for better economic and community health, and Rural Development's "mission is to increase cultural awareness and strengthen leadership capacity for rural and Indigenous

communities in Alaska and the Circumpolar North”. We have been discussing the opportunities that the Ethnobotany minor will provide to the Rural Development Program over the past nine months, and have come to appreciate the benefits that this minor in Ethnobotany will have for both programs, both in increased student enrollment and in expanding the culturally relevant curriculum available at UAF.

Signatures attached.

**APPROVALS :**

<i>Rose Meier</i>	Date	12/14/16
Signature, Chair, Program/Department of:	Ethnobotany Certificate Program	

	Date	
Signature, Chair, College/School Curriculum Council for:		

	Date	
Signature, Dean, College/School of:		

**ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE**

	Date	
Signature, Chair, UAF Faculty Senate Curriculum Review Committee		

Final approval will be at the level of the Chancellor or Chancellor’s Designee, following vote of approval by the Faculty Senate.

**SAMPLE MINOR FOR LAYOUT REFERENCE FROM THE UAF CATALOG:**  
Ethnobotany Minor

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EBOT F210—Ethical Wildcrafting - 1 credit  
EBOT F220—Ethnobotanical Techniques - 2 credits  
and  
EBOT F230—Ethnobotanical Chemistry - 3 credits\*\*  
Or  
EBOT F250 and 251 -Applied Ethnobotany I and II -4 credits
- Complete 3-4 Advisor-approved elective course(s):\*
- Minimum credits required--15 credits

Prerequisites: CHEM F103X or CHEM F105X, or permission of instructor\*\*

\* Students must earn a C- grade or better in each course.

Format 3B EBOT Minor

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**APPROVALS:**

*Rose Meier* Date 10/26/16  
Signature, Chair, Ethnobotany Certificate Program  
Program/Department of:

*Duke Curda* Date 10/27/16  
Signature, Chair, College/School Curriculum Council for:  
*Rural + Community Development*

*[Signature]* Date 10/28/16  
Signature, Dean, College/School of:  
*For Pete Pirny*  
*CRC*

**ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE**

Signature, Chair, UAF Faculty Senate Curriculum Review Committee Date

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