ETHNOBOTANY (EBOT)

College of Rural and Community Development
Community Based Science (https://www.uaf.edu/rural/academics/departments/)
907-474-7143

EBOT F100  Introduction to Ethnobotany  (an)
3 Credits
Offered Summer
This blended online and hands-on course surveys concepts of botany
and ethnobotany in the context of Alaska Native cultures, including:
plant biology and taxonomy, scientific and ethnobotanical plant collection
methods, traditional plant uses (working with Alaska Native Elders), and
how the resulting ethical awareness contributes to other fields of study.
Cross-listed with ANTH F102.
Lecture + Lab + Other: 2 + 3 + 0
Grading System: Letter Grades with option of Plus/Minus

EBOT F200  Seminar in Ethnobotany
2 Credits
Offered Spring
This course surveys basic concepts of the interdisciplinary academic
field of ethnobotany. Through readings, integration of Indigenous/Alaska
Native plant knowledge, interactive exploration, and discussions of case
studies of human-plant relationships, students will learn and reflect on
the role and importance of ethnobotany in light of contemporary societal
and environmental issues.
Lecture + Lab + Other: 2 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus

EBOT F210  Ethical Wildcrafting
1 Credit
Offered Fall
Students will gain the knowledge and skills necessary to make informed
and responsible decisions about ethical harvesting of plants in Alaska
and beyond. Based on an interdisciplinary approach inclusive of
Indigenous Knowledge, students will learn about the cultural and
spiritual aspects, and the ecological, economic and legal dimensions of
wildcrafting.
Lecture + Lab + Other: 1 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus

EBOT F220  Research Methods for Ethnobotanists
2 Credits
Offered Fall
Provides skills and knowledge for conducting research about human–
plant relationships; focuses on interviewing Elders about plant use
and introduces to qualitative and quantitative research methods in
ethnobotanical research and documentation of knowledge and practices,
e.g. plant collection, participant observation and data analysis; addresses
decolonizing methodology and Indigenous knowledge revitalization.
Cross-listed with ANTH F220.
Lecture + Lab + Other: 1.5 + 0 + 1.5
Grading System: Letter Grades with option of Plus/Minus

EBOT F230  Ethnobotanical Chemistry
3 Credits
Offered Fall
Basic understanding of chemical structure and functions of medicinally
active plant compounds including Alaskan medicinal flora. How and why
plants produce primary and secondary compounds and methods used to
isolate and deliver plant-derived compounds used by humans. How drugs
are derived from plants and the ethics of bioprospecting.
Prerequisites: EBOT F100; CHEM F103X or CHEM F105X.
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus

EBOT F250  Applied Ethnobotany Fall
2 Credits
Offered Fall
This is the fall section of a year-round course cycle consisting of two
non-sequential courses that explore the seasonally appropriate cultural
uses of plants. Students will deepen their understanding of human-plant
relationships through individual hands-on projects, which will guide them
into further studies in ethnobotany and related disciplines.
Cross-listed with ANTH F254.
Lecture + Lab + Other: 2 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus

EBOT F251  Applied Ethnobotany Spring
2 Credits
Offered Spring
This is the spring section of a year-round course cycle consisting of two
non-sequential courses that explore the seasonally appropriate cultural
uses of plants. Students will deepen their understanding of human-plant
relationships through individual hands-on projects, which will guide them
into further studies in ethnobotany and related disciplines.
Cross-listed with ANTH F255.
Lecture + Lab + Other: 2 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus

EBOT F336  Ethnomycology  (s)
3 Credits
Offered Spring
An integrated perspective of humanities and social sciences on human-
fungi relationships, with concentration on the role of mushrooms in food,
medicine, art, commerce, spirituality, and recreation in societies around
the world, past and present. Mushroom harvesting in communities
around Alaska is one of the extensively covered topics.
Prerequisites: EBOT F100 or ANTH F100X.
Cross-listed with ANTH F336.
Lecture + Lab + Other: 3 + 0 + 0
Grading System: Letter Grades with option of Plus/Minus