ETHNOBOTANY (EBOT)

**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 ethnobotanic 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

**EBOT F200  Seminar in Ethnobotany**  (a)
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.
Prerequisites: EBOT F100.
Lecture + Lab + Other: 2 + 0 + 0

**EBOT F210  Ethical Wildcrafting**  (a)
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.
Prerequisites: EBOT F100.
Lecture + Lab + Other: 1 + 0 + 0

**EBOT F220  Ethnobotanical Techniques**  (a)
2 Credits
Offered Spring
Provides required skills for conducting field investigations into the human use of plants. Focuses on interviewing elders about native plant use and methods for conducting structured and non-structured interviews, plant collection, participant observation and data analysis. Ethical issues in ethnobotany, e.g., intellectual property rights, benefit-sharing and conservation of native plants.
Prerequisites: EBOT F100; EBOT F200.
Lecture + Lab + Other: 1.5 + 0 + 1.5

**EBOT F230  Ethnobotanical Chemistry**  (a)
3 Credits
Offered Fall
Basic understanding of chemical structure and function of medicinally active plant compounds. How and why plants produce primary and secondary compounds, how humans use these compounds and methods used to isolate and deliver plant-derived compounds. How drugs are derived from plants and the ethics of bioprospecting. Medicinal flora of Alaska from a chemical perspective.
Prerequisites: EBOT F100; CHEM F103X or CHEM F105X.
Lecture + Lab + Other: 3 + 0 + 0

**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 applied courses (fall and spring) that explore the seasonally-appropriate cultural uses of plants in a Native and non-native, mainly Alaskan, context. Emphasis will be placed on the underlying scientific aspects of harvesting and using plants.
Prerequisites: EBOT F100.
Cross-listed with ANTH F254.
Lecture + Lab + Other: 2 + 0 + 0

**EBOT F251  Applied Ethnobotany Spring**  (a)
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
Prerequisites: EBOT F100.
Lecture + Lab + Other: 2 + 0 + 0

**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