SCIENCE APPLICATIONS  
(SCIA)

College of Rural and Community Development  
Community Based Science (https://uaf.edu/rural/academics/ departments/)  
907-474-5029

SCIA F101L    Natural Science Lab Course  
1 Credit  
Offered As Demand Warrants  
Laboratory course in natural science. Students will complete two labs on applying the scientific method and 10 labs in any of the following study areas in natural science, Physics, Chemistry, Biology or Geoscience. For non-science majors. Special lab fees apply.  
Prerequisites: A university-level natural science course.  
Attributes: UAF GER Natural Science Req  
Lecture + Lab + Other: 0 + 6 + 0  
Grading System: Letter Grades with option of Plus/Minus

SCIA F105    Field Biology  
2 Credits  
Offered As Demand Warrants  
Students will learn some of the techniques that are employed by wildlife biologists to study plants, fish and animals in the field and establish use of the scientific method through a student research project.  
Lecture + Lab + Other: 20 + 20 + 0  
Grading System: Letter Grades with option of Plus/Minus

SCIA F150    Subarctic Horticulture  
1 Credit  
Offered As Demand Warrants  
Soils, plant propagation, disease and insect control, variety selection, fertilization, greenhouse construction and care and gardening techniques. Emphasis on development and care of greenhouses and gardens in the Nome area.  
Lecture + Lab + Other: 0 + 3 + 0  
Grading System: Letter Grades with option of Plus/Minus

SCIA F150P    Subarctic Horticulture  
1 Credit  
Offered As Demand Warrants  
Soils, plant propagation, disease and insect control, variety selection, fertilization, greenhouse construction and care and gardening techniques. Emphasis on development and care of greenhouses and gardens in the Nome area.  
Lecture + Lab + Other: 1 + 0 + 0  
Grading System: Pass/Fail Grades

SCIA F157    Alaska Plants  
1 Credit  
Offered As Demand Warrants  
Introduction to the topics of plant taxonomy and identification with specific reference to common Alaskan plants and vegetation types.  
Lecture + Lab + Other: 1 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus

SCIA F161    Birds of Alaska  
1 Credit  
Offered As Demand Warrants  
Biology of birds including behavior, anatomy, physiology, ecology, systematics and field identification.  
Lecture + Lab + Other: 1 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus

SCIA F162    Mammals of Alaska  
1 Credit  
Offered As Demand Warrants  
Introduction to the mammals of Alaska and their importance to the local ecology and economy from a scientific research standpoint. Emphasis on important and/or common species for study of classification, habitat, life cycle and economic importance.  
Prerequisites: Background or interest in general science or natural history.  
Lecture + Lab + Other: 1 + 0 + 0  
Grading System: Letter Grades with option of Plus/Minus