

# SCIENCE APPLICATIONS (SCIA)

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**SCIA F105 Field Biology**

2 Credits

Offered Summer

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**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**SCIA F150P Subarctic Horticulture**

1 Credit

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**SCIA F157 Alaska Plants (n, a)**

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**SCIA F161 Birds of Alaska (a)**

1 Credit

Offered As Demand Warrants

Biology of birds including behavior, anatomy, physiology, ecology, systematics and field identification.

**Lecture + Lab + Other:** 1 + 0 + 0**SCIA F162 Mammals of Alaska (n, a)**

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