SAULT COLLEGE
of Applied Arts and Technology
Sault Ste. Marie

COURSE OUTLINE

BIOLOGY 126-3

Forest Biology

revised June 1981 G. L. Stone

CALENDAR RESUME

BIO 126 - 2
FOREST BIOLOGY
Prerequisite BIO 111 - 2

A study of the science of life essential to a career in resource management; the classification and ecology of living organisms, particularly those algae, higher plants, freshwater and terrestrial aminals found in Ontario forest and freshwater ecosystems; plant and animal life cycles and introductory animal anatomy.

BIOLOGY 126-3

Forest Biology

Unit # 1 (9 hrs)	Classification of mitosis, meiosis -course introduction, drawings, evaluation -classification of organisms, binomial nomenclature -taxonomic hierarchy -mitotic cell division and importance of mitosis -meiotic cell division and importance of meiosis
# 2 (12 hrs)	Origin of life, monerans, autotrophic organisms, structure and life cycles -scientific theory for the origin of life -primitive single-celled organisms including bacteria and blue-green algae -ferns and gymnosperms - life cycle and ecology -flowering seed plants - life cycle and adaptations
# 3 (12 hrs)	Decomposers, parosites and other invertebrate heterotrophs -fungi and protozoans including parosite life cycles -animal life patterns -growth and development in the animal kingdom -flatworms and roundworms - structure, habitat and life cycles -snails and clams - structure and habitat -segmented worms - structure and habitat -spiders and crustaceans - structure and habitat
# 4 (9 hrs)	Insects and vertebrates -insect orders, examples, occurrence and importance to man -aquatic vertebrates - lamprey, cartilaginous fish and bony fish - anatomy and habitat -amphibians - habitat and examples -vertebrate circulation -reptiles, birds and mammals - anatomy, habitat and examples