

CAMBRIAN COLLEGE
of Applied Arts and Technology
Sault Ste. Marie

COURSE OUTLINE

FOREST ECOLOGY

FOR 227-3

MAJ

F
2

FORESTRY TECHNICIAN

Forest Ecology

FOR 227-3

WEATHER

Texts: ~~The~~ Life of the Forest - Jack McCormick (McGraw-Hill)
Water Ways - Dept. of Transport, Queen's Printer, Ottawa

References

- Forest Ecology - Stephen H. Spurr
Ecology and Field Biology - R. L. Smith
Wildlife Biology - Dasmann
Field Methods for Investigation Site - Site Research Manual
No. 4 April 1954. G.A. Hills. Ont. Dept. of Lands & Forest
Soila Report No. 14 - Smith et al - 1964 Manitoba Soil Survey
Forest Site Evaluation in Ontario - Hills & Pierpoint. 1960
Ont. Dept. of Lands & Forests
Forest Soila - Lutz and Chandler
The New Field Book of Freshwater Life - Klots
Ichthyology - Lagler, Bardach, & Miller
Freshwater Fishery Biology - Lagler

TOPIC NO.	PERIODS	TOPIC DESCRIPTION
1	1	<u>General</u> Introduction Definition of Forest Ecology Scope and aims of the course
2	9	<u>The Ecosystem and the Community</u> Definition and classification systems Food Chains, energy flow and material cycling Laws of life Population density and biomass
3	9	<u>Meteorology</u> Nature and temperature The atmosphere, clouds, pressure, wind, stability and instability Air masses The structure of fronts
4	12	<u>Aquatic Habitats</u> Introduction to Limnology of Freshwater Environments Habitat zonation Production classification of lakes Aquatic succession Limiting factors of an aquatic habitat
5	14	<u>Terrestrial Habitats</u> Terrestrial succession of plants Soil- the base for terrestrial ecosystem Textural classification of soils Classification and evaluation of forest sites
TOTAL	45	