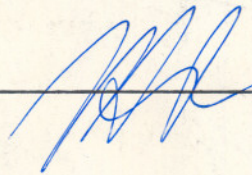


CAMBRIAN COLLEGE
of Applied Arts and Technology
Sault Ste. Marie

COURSE OUTLINE

DESCRIPTIVE DENDROLOGY

FOR 212 - 4



DESCRIPTIVE DENDROLOGY

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TEXT:

- Forest Trees of Ontario - White & Hosie
The Life of the Forest - Jack McCormick

REFERENCES:

- Textbook of Dendrology - Harlim & Harris - 5th ed.
Gray's New Manual of Botany - Robinson & Fernald - 8th ed.
Native Trees of Canada - Canada Dept. of Forestry
Northern Non-woody Plants - J. B. Moule
A Field Guide to Trees & Shrubs - Petrides
Provisional Check List of Flowering Plants and Ferns of the
Sault Ste. Marie Area - S. T. B. Losee 1968
Hardwood Trees of Ontario with Bark Characteristics - E. J. Zavitz
Manual of the Trees of North America - Sargent
Trees - A Guide to Familiar American Trees - Zim & Martin
Trees of North America - Brickman, Zim & Merrilees

DESCRIPTIVE DENDROLOGY

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TOPIC NO.	PERIODS	TOPIC INFORMATION
1	1	<p><u>General</u></p> <ul style="list-style-type: none"> - Introduction, scope and importance of Descriptive Dendrology - Notice of leaf collection to be made by each student with particulars as to format and date due.
2	12	<p><u>Taxonomy and Identification</u></p> <ul style="list-style-type: none"> - classification, nomenclature, identification by structural characteristics, variation, description of species
3	12	<p><u>Use of Taxonomic Keys I</u></p> <ul style="list-style-type: none"> - to identify deciduous trees and shrubs in summer condition.
4	12	<p><u>Use of Taxonomic Keys II</u></p> <ul style="list-style-type: none"> - to identify evergreen trees and shrubs.
5	6	<p><u>Classification of the Plant Kingdom</u></p> <ul style="list-style-type: none"> - outline of the system used in Gray's Manual to separate plants by division, family, subfamilies, genera and species; examples of local check lists based on herbarium collections; keep to northern non-woody plants; a review of edible plants
6	6	<p><u>Forest Description and Sampling</u></p> <ul style="list-style-type: none"> - systematic study of the association of trees, shrubs, and plants in plant communities and a recognition of their dynamic role in forest ecology; including a field exercise using a combination of one-tenth acre plots together with mil acre sampling of ground vegetation.

TOPIC NO.	PERIODS	TOPIC INFORMATION
7	4	<u>Forest Succession</u> - an introduction to this subject which will studied in detail later in Forest Ecology.
8	7	<u>Review</u>