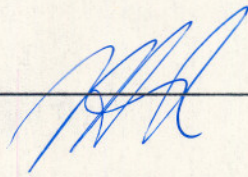


CAMBRIAN COLLEGE
of Applied Arts and Technology
Sault Ste. Marie

COURSE OUTLINE

SILVICULTURE

FOR 208-3



Revised 1970

SILVICULTURE

TOPIC NO.	PERIODS	TOPIC DESCRIPTION
1	12	<p><u>The Establishment of Forest Stands</u></p> <p>The Collection, testing and germination of tree seeds. Students will collect their own seed, test and germinate it in the laboratory. These seedlings will then be raised in the growth chamber and planted out early in May.</p> <p>Natural Regeneration contrasted with artificial regeneration of cut-over forest lands. Preparation and treatment of Site.</p>
2	9	<p><u>The Development of Forest Stands</u></p> <p>Early treatments Intermediate improvement cutting Harvesting related to reproduction of the next crop.</p>
3	12	<p><u>Silvicultural Systems</u></p> <p>Silviculture as an Immitation of Nature - the need for careful planning in advance of the manipulation of living forest communities. Historical development of classical silvicultural systems and methods of reproduction. Present sate of their application in Ontario. Silviculture and its place in Forestry.</p> <ul style="list-style-type: none"> i Relationship to land tenure and licensing including Regeneration Agreements in Ontario. ii Relationship to forest protection. iii Relationship to wildlife management. iv Relationship to watershed management. v Relationship to maple syrup production. vi Relationship to Management Plans and agreements under the Woodlands Improvement Act. vii Relationship to Looging Mechanization and modern technology. <p>Economic & Practical Limitations - the input-output ratio. Variations in intensity of practice. The margin for economic forestry.</p>
4	15	<p><u>Regional Silviculture</u></p> <p>Southern Ontario. Silviculture Central Ontario - Silviculture of the Great Lakes St. Lawrence Forest. Northern Ontario - Silviculture of the Boreal Forest.</p>