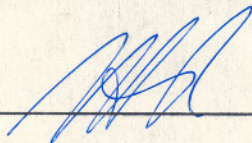


**CAMBRIAN COLLEGE**  
**of Applied Arts and Technology**  
**Sault Ste. Marie**

COURSE OUTLINE

MANAGEMENT OF RENEWABLE RESOURCES

FOR 207-3





MANAGEMENT OF RENEWABLE RESOURCES

TOPIC NO.	PERIODS	TOPIC DESCRIPTION
1	8	<p><u>Management of the Small Private Forest</u></p> <p>Boundary line establishment; land typing; complete land inventory of all renewable resources; land-use survey. These will all be conducted as field exercises on North-half Lot 3 Con 3 Johnson Twp. Students will then use their notes to make a management plan and complete an agreement as required for the Woodlands Improvement Act. Principles and Practise of Multiple-use management of the small private forest.</p>
2	4	<p><u>Multiple-use Management of Crown Lands in Ontario</u></p> <p>Types and forms of management plans; basic requirements and content of such plans together with the responsibilities of all agencies concerned.</p>
	2	The organization of a forest based enterprise.
	4	Historical development of legislation, especially the Crown Timber Act, and the development of renewable resource management in Ontario. The Concept of Multiple-Use.
	5	Relationship of Ecology to modern resource management. The nature of the problem; management theories derived from the principles of ecology; impact of the environment and man on populations to be managed; the logic of hatchery operations; the threat of extinction; deer management problems; a pest-the Sea Lamprey in the Gt. Lakes. Important ecological processes-predators and predition; fur bearer predator-prey cycles in the boreal forest; outbreaks of insect pests; conflicts of interest - conflicts over waterfowl; side effects of water-management procedures.
3		<p><u>The Methods of Resource Management used in Ontario</u></p>
	3	Timber Management
	3	Fish and Wildlife Management
	2	Water Resource Management
	2	Parks and Recreation Management
4		<p><u>Study some important renewable resource management areas in Ont., including land classification exercises using aerial photographs</u></p>
	4	The Sault Ste. Marie Forest District as managed by the Ont. Dept. of Lands and Forests.
	3	Algonquin Park - a case history of conflict of interests.



MANAGEMENT OF RENEWABLE RESOURCES

TOPIC NO.	PERIODS	TOPIC DESCRIPTION
4(con't)	3	Manitoulin Island - using Cressman's recently published (A.R.D.A.) multiple-use report.
	2	The AuSable Watershed Authority - including its relationship to Pinery and Ipperwash Provincial Parks