

SAULT COLLEGE

of APPLIED ARTS and TECHNOLOGY

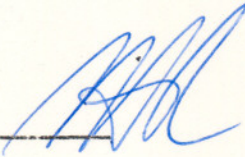
Sault Ste. Marie

COURSE OUTLINE

Ecosystem Approach to Resource
Management

BIO 304-4

revised June 1978



BIO 304-4

Topic No.	Periods		Topic Description	Reference
	Lecture	Lab		
1	2	0	<ul style="list-style-type: none"> - Introduction and history of ecosystem concept - Ecological terms 	
2	6	6	<ul style="list-style-type: none"> - Study of the grassland ecosystem to show the parts of and effort required to study an ecosystem. - Trophic levels and interrelationships - Measurement of some physical characteristics of a local ecosystem - Assignment on ecosystem measurement 	
3	6	0	<ul style="list-style-type: none"> - Film "The Living Arctic" - Study of a simple ecosystem and arctic cycling 	
4	3	0	<ul style="list-style-type: none"> - Forests and their interrelationships with local and regional climate - Pathways in forest succession 	
5	13	0	<ul style="list-style-type: none"> - Study of temperate stream ecosystem including energy sources and losses - Effects of logging practices on stream habitat 	
6	6	0	<ul style="list-style-type: none"> - Effects of insecticides, lampricides, herbicides and heavy metal contamination in our environment - Nitrogen and phosphorus and their importance in productivity of freshwaters. 	