

SAULT COLLEGE
of APPLIED ARTS and TECHNOLOGY
Sault Ste. Marie

COURSE OUTLINE

ENVIRONMENTAL MEASUREMENTS
BIO 307-4

revised June, 1976

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Topic No.	Periods		Topic Description	Reference
	Lecture	Lab		
1	5	15	<ul style="list-style-type: none"> - Physical properties of water - Annual cycles in temperate lakes - Dissolved gases in waters - Bacteriological requirements for recreational activity - Sampling and dilution techniques - Determination of oxygen, carbon dioxide, ammonia and phosphate in water - Determination of primary productivity - Bioassay techniques - Winter water analysis 	
2	8	0	<ul style="list-style-type: none"> - Meteorology - cloud types - Pressure, winds - Temperature - stability - Fronts, precipitation - Thunderstorms 	
3	5	15	<ul style="list-style-type: none"> - Physical characteristics of soils - Determination of soil pH and organic matter - Calcium and magnesium determination by chemical and atomic absorption methods - Determination of magnesium, iron and phosphorus 	