

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: BIOLOGY

Code No.: BIO 101-5

Program: NURSING

Semester: ONE

Date: SEPTEMBER 1985

Author: MARGARET HURTUBISE

New: \_\_\_\_\_ Revision:   X  

APPROVED: \_\_\_\_\_ Date \_\_\_\_\_  
Chairperson

BIOLOGY

BIO 101-5

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Course Name

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Course Number

CALENDAR DESCRIPTION:

The Biology course deals with the structure and function of the human body.

This course also includes common stimuli which affect the structure and function of man as well as man's adaptive responses, which enable him to maintain a relatively constant state.

Understanding the human body and how it reacts to various stimuli will enable the student to relate this knowledge to the practice of nursing.

GENERAL OBJECTIVES:

1. Describe biological adaptation in relation to the structure and function of the human body.
  - a) Describe the structure of the human body.
  - b) Describe the function of the human body.
  - c) Describe the relationship of function to structure in the human body.
  - d) Describe the changes that occur in structure and function throughout the life cycle from conception to death.
  
2. Explain the concept of biological adaptation.
  - a) Describe the biological stimuli that impinge upon man.
  - b) Explain the concept of adaptation using examples from the biological mode.
  - c) Describe the variable that influence biological responses.
  - d) Illustrate adaptive and/or ineffective biological responses.
  - e) Describe how an individual maintains and promotes biological adaptation.

METHOD OF ASSESSMENT (GRADING METHOD):

GRADING	A	80 - 100%	Please note that a pass in Biology is a "C".
	B	70 - 79%	
	C	60 - 69%	

NOTE: If you are unable to attend class for a test, you MUST contact the Health Sciences Office. Check your Program Requirements Guide for direction. Keep track of all your own test marks so that you may calculate your own term mark.

METHOD OF ASSESSMENT (GRADING METHOD) - continued

<u>TERM WORK:</u>	Unit Tests	200 marks
	Diagram Test	50 marks
		<u>250</u> marks
	Final Exam	150 marks
		<u>400</u> marks

Final mark = Your mark out of a possible 400

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TENTATIVE TEST SCHEDULE:

<u>DATES</u>	<u>UNITS</u>	<u>MARKS</u>
Week of Sept. 23, 1985	Overview and The Cell	50
Week of Oct. 7, 1985	Microbiology	40
Week of Nov. 11, 1985	Nervous System Endocrine System	70
Week of Nov. 19, 1985	Thermal & Sensory Control and Special Senses	40
On Final Exam	Musculoskeletal System (approx. 45 questions)	

TEXTBOOKS(S):

Anthony, C.P., and Thibodeau, G.A., Anatomy and Physiology, 11th Edition, C.V. Mosby, Toronto, 1983.

Biology Workbook Semester 1.

UNITS AND HOURS:

1. Introductory Overview	6
2. The Smallest Unit (Cell)	9
3. Microbiology	7
4. Biological Regulators	
a) Neural Control Mechanisms	15
b) Hormonal Control Mechanisms	6
c) Thermal Control Mechanisms	2
d) Sensory Control Mechanisms	2
e) Special Senses	8
5. Support Systems	14
Tests and Examinations	6

Extra biology help and review approximately

75 hours  
10 hours  
(above class hours  
are optional)