DOC 783

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: HUMAN BIOLOGY

Code No: RNA 100

Program: NURSING ASSISTANT

Semester:

Date: FEBRUARY, 1989

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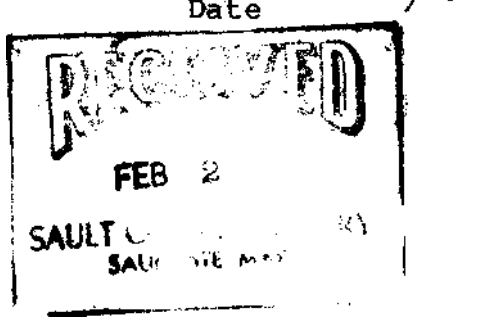
New: Revision:

APPROVED: // Chairperson

Date



HUMAN BIOLOGY — RNA 100

Course Name — Course Number

COURSE DESCRIPTION

This course is 60 hours in duration.

The Human Biology course deals with the structure and function of the human. It 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 theory and 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 biological mode.
    c) Describe the variables that influence biological responses.
    d) Illustrate adaptive and/or ineffective biological responses.
    e) Describe how an individual maintains and promotes biological adaptation.

TEACHING/LEARNING METHODS:

Lectures, A.V. resources, Class Discussions, Worksheets, Class Presentation

METHOD OF ASSESSMENT (GRADING METHOD)

GRADING	A+	90 - 100%
	A	80 - 89%
	B	70 - 79%
	C	60 - 69%

NOTE: Pass is a "C" overall

TEST SCHEDULE

Test #1	Terminology, overview and musculoskeletal System	12%
Test #2	Cell, tissues and Integumentary System	12%
Test #3	Nervous System and Special Senses	12%
Test #4	Endocrine, Circulatory & Respiratory Systems	12%
Test #5	Urinary System Gastrointestinal System Reproductive System	12%
Test #6	Microbiology, All other units previously covered	30%
Presentation	Group Presentations on Microbiology	10%

NOTE:

1. If you are unable to attend class for a test, you MUST contact the Health Sciences Office BEFORE the test. 759-6774, ext. 689
2. Students who do not pass any of the tests and do not pass the final exam will not be given the privilege of writing the supplemental exam.
3. One supplemental exam will be given. If the supplemental exam is passed, the student will receive a "C" regardless of the final exam mark.
4. Excellent attendance will be taken into consideration for borderline marks.
5. Evaluation of this course will be done mid-term.
6. Tests remain the property of Sault College.
7. Tests will be objective and diagram labelling.

TEXTBOOK:

Thibodeau and Anthony, Structure & Function of the Body, Times Mirror/Mosby College Publishing, Toronto, 1988.

CLASS SCHEDULE		READING ASSIGNMENTS/ HOMEWORK
Week #1	**Class A** Introduction Terminology & Overview (Obj. I. A 1,2)	Chapter 1
	Class B Terminology & Overview (Obj. I. A 1,2,3)	Chapter 3
Week #2	**Class A** Cell, Tissues and Integumentary System (Obj. II. A,B,C,D)	Chapter 2
	Class B Musculoskeletal Systems (Obj. III. B)	Chapter 5,6
Week #3	**Class A** Cell, Tissues and Integumentary System (Obj. II. A,B,C,D)	Chapter 2
	Class B Musculoskeletal System (Obj. III. B)	Chapter 5,6
Week #4	**Class A** Cell, Tissues and Integumentary (Obj. II. A,B,C,D, III. A)	Chapter 4
	Class B TEST #1 Nervous System (Obj. III. C)	Chapter 7,8
Week #5	**Class A** Circulatory (Obj. III. F)	Chapter 11
	Class B Nervous System (Obj. III. C)	Chapter 7,8

Week #6	**Class A** Test #2 Circulatory (Obj. III. F)	Chapter 11
	Class B Nervous System (Obj. III. C)	Chapter 7,8
Week #7	**Class A** Circulatory System (Obj. III. F)	Chapter 11
	Class B Nervous (Obj. III. C) Special Senses (Obj. III. D)	Chapter 7,8 Pages 181-189
Week #8	**Class A** Circulatory System (Obj. III. F) Endocrine System (Obj. III. E)	Chapter 10,12 Chapter 9
	Class B Special Senses (Obj. III. D)	Pages 181-189
Week #9	**Class A** Endocrine (Obj. Ill, E)	Chapter 9
	Class B Special Senses (Obj. III. D) Respiratory (Obj. III. G)	Pages 181-189 Chapter 14
Week #10	**Class A** Endocrine (Obj. Ill, E)	Chapter 9
	Class B Test #3 Respiratory System (Obj. III. G)	Chapter 14

Week #11	**Class A**	
	Endocrine (Obj. III. E)	Chapter 9
	Gastrointestinal (Obj. III. I)	Chapter 13
	Class B	
	Reproductive System (Obj. III. J)	Chapter 16/1
Week #12	**Class A**	
	Test #4 Gastrointestinal (Obj. III. I)	Chapter 13
	Class B	
	Reproductive System (Obj. III. J)	Chapter 16,1
	Urinary Systems (Obj. III. H)	Chapter 15
Week #13	**Class A**	
	Gastrointestinal System (Obj. III. I)	Chapter 13
	Class B	
	Urinary System (Obj. III. H)	Chapter 15
	Microbiology (Obj. IV.)	Library Text
Week #14	**Class A**	
	Microbiology (Obj. IV.)	
	Class B	
	Test #5 Microbiology (Obj. IV.)	
Week #15	**Class A**	
	Microbiology (Obj. IV.)	
	Class B	
	Test #6 (All the objectives)	