



SAULT COLLEGE-OF APPLIED ARTS & TECHNOLOG^Y

SAULT STE. MARIE, ONTARIO

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COURSE OUTLINE

Course Title: HUMAN BIOLOGY

Code No: RNA 100

Program: NURSING ASSISTANT

Semester:

Date: FEBRUARY, 1988

Author: MARION HAGGMAN

New: X Revision:

APPROVED: Chairperson

Date

HUMAN BIOLOGY

RNA 100

Course Name

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COURSE DESCRIPTION

This course is 60 hours. It is based on BIO 101 and BIO 121 from the Diploma Nursing Program.

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.

METHOD OF ASSESSMENT (GRADING METHOD)

Lectures, A.V. resources, class discussions, worksheets.

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

NOTE: Pass is a "C" overall

TEST SCHEDULE

Test #1	Terminology Nervous System	20%
Test #2	Endocrine System Integumentary System	10%
Test #3	Special Senses Musculoskeletal System	10%
Test #4	Circulatory & Lymphatic Systems Respiratory System	10%
Test #5	Urinary System Gastrointestinal System Reproductive System	10%
Test #6	The Cell Microbiology, Thermal Control Mechanism All other units previously covered	40%

NOTE:

1. If you are unable to attend class for a test, you MUST contact the Health Sciences Office BEFORE the test. 949-2050, 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(S):

Anatomy and Physiology, Thibodeau, G.A., Times Mirror/Mosby College Publishing, Toronto, 1987.

Introductory Human Anatomy and Physiology, Kehoe, M. Magill, W. Rushin H., Turner, A., Kendall/Hunt Publishing Co., Dubuque; Iowa, 1983

CLASS SCHEDULE		READING ASSIGNMENTS/ HOMEWORK
Week #1	Class A Introduction Terminology (Overview) (Obj. IA.1,2) Class B Terminology (Overview) (Obj. IA.1,2)	Text p.2-31 Worksheets p.1-13
Week #2	Class A Nervous System (Obj. IB.1) Class B Nervous System (Obj. IB.1)	Text p.282-350 Worksheets p.14-20
Week #3	Class A Nervous System (Obj. IB.1) Class B Nervous System (Obj. IB.1)	Text p.282-350 Worksheets p.14-20
Week #4	Class A Test #1 (Obj. IA, B.1) Endocrine System (Obj. IB.2) Class B Endocrine System (Obj. IB.2)	Text p.386-417 Worksheets p.21-22
Week #5	Class A Endocrine System (Obj. IB.2) Class B Endocrine System (Obj. IB.2)	Text p.386-417 Worksheets p.21-22

Week #6	Class A Integumentary System (Obj. IB.3)	Text p.112-139 Worksheets p.23-25
	Class B Special Senses (Obj. IB.4)	Text 362-385 Worksheets p.26-29
Week #7	Class A Test #2 (Obj. IB.2,3)	Text p.140-281 Worksheets p.30-54
	Class B Musculoskeletal (Obj. IC.1)	
Week #8	Class A Test #3 (Obj. IB.4, C.1) Circulatory & Lymphatic Systems (Obj. IC.2)	Text p.440-509 Worksheets p.55-63
	Class B Circulatory & Lymphatic Systems (Obj. IC.2)	
Week #9	Class A Respiratory System (Obj. IC.3)	Text p.510-553 Worksheets p.64-65
	Class B Urinary System (Obj. IC.4)	Test p.624-649 Worksheets p.66-69
Week #10	Class A Test #4 (Obj. IC.2,3) Gastrointestinal System (Obj. IC.5)	Text p.554-597 Worksheets p.70-74
	Class B Gastrointestinal System (Obj. IC.5)	

Week #11	Class A Reproductive System (Obj. IC.6) Class B Reproductive System (Obj. IC.6)	Text p.692-737 Worksheets p.75-80
Week #12	Class A Test #5 (Obj. IC. 4,5,6) Cell (Obj. II. A-C) Class B Cell (Obj. II. A-C)	Text p.32-111 Worksheet p.81-105
Week #13	Class A Cell (Obj. II. A-C) Class B Cell (Obj. II. A-C)	same as Week #12 same as Week #12
Week #14	Class A Microbiology	Text p. 738-754 Worksheet p.106-134
Week #15	Class A Thermal Control Mechanisms (Obj. IV, 1-5) General Review Class B Test #6 (All the objectives)	Worksheets p.135-143