

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ON

COURSE OUTLINE

COURSE TITLE: PATHOPHYSIOLOGY I

CODE NO.: BIO208

SEMESTER: 3

PROGRAM: NURSING

AUTHOR: BRENDA WARNOCK

DATE: MAY, 1996

PREVIOUS OUTLINE DATED: NEW

APPROVED:

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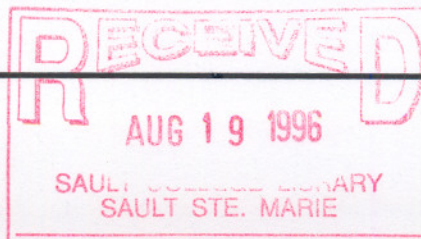
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TOTAL CREDITS: 2

PREREQUISITE(S): BIO118, NUR116

LENGTH OF COURSE: 3 HOURS/WEEK

TOTAL CREDIT HOURS: 42



PATHOPHYSIOLOGY I

BIO208

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I. COURSE DESCRIPTION:

This course will be an introduction to human disease exploring how alterations in homeostatic mechanisms disrupt the human body. Overall mechanisms of common diseases will be studied by systems that have been categorized into concepts. These concepts will be examined for the effect that they produce on the structure and function of the body.

II. LEARNING OUTCOMES:

Upon successful completion of this course, the student will demonstrate the ability to:

1. explain the basic concepts of pathophysiology and the general principles of disease.
2. demonstrate how the human body deals with the dynamic aspects of disease process.
3. explain the various dysfunctions of an organ or organ system.
4. analyze how the various dysfunctions of an organ or organ system effects the human body as a whole.

III. TOPICS:

Content will be examined under the following concepts:

- Homeostasis and balances
- Stress response
- Alteration in defense mechanisms
- Alteration in biological mechanisms
- Genetic
- Hyperplasia
- Neoplasms

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III. TOPICS (Continued)

- Restrictive
- Obstructive
- Infective
- Excess/deficiency

Units:

- Introduction to pathology
- Fluid & electrolyte
- Acid-base balance
- Respiratory
- Urinary
- Cardiovascular

IV. REQUIRED RESOURCES:

Smeltzer, S. & Bare, B. (1996). Brunner & Suddarth's Textbook of Medical-Surgical Nursing (7th ed.). Toronto: Lippincott.

Pathophysiology I Student Resource Package, 1996-97.

MacDermott, B., & Dealie, J. (1994). Understanding Basic Pharmacology: Practical Approaches for Effective Application. Canada: Login Brothers.

Skidmore-Roth, L. (1994). Mosby's 1995 Nursing Drug Reference. Toronto: C.V. Mosby Company.

Refer to the Student Resource Package for additional recommended resources.

V. EVALUATION PROCESS/GRADING SYSTEM:

1. The pass mark for the course is 60%. The course mark is composed of term quizzes/assignments worth 50%, a mid-term worth 25% and a final examination worth 25%.

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V. EVALUATION PROCESS/GRADING SYSTEM (Continued)

2. Students may be eligible for a rewrite of two specific tests, exams or assignments. The highest mark that can be achieved on a rewrite is 60%. Refer to the Student Success Guide for specific policies.

VI. SPECIAL NOTES:

Special Needs

If you are a student with special needs (eg. physical limitations, visual impairments, hearing impairments, learning disabilities), you are encouraged to discuss required accommodations confidentially with the instructor and/or contact the Special Needs Office, Room E1204, Ext. 493, 717, 491 so that support services can be arranged for you.

Retention of Course Outlines

It is the responsibility of the student to retain all course outlines for possible future use in acquiring advanced standing at other post-secondary institutions.

Substitute Course Information is available at the Registrar's Office.

Plagiarism

Students should refer to the description of "academic dishonesty" in the Statement of Student Rights and Responsibilities.

Your instructor reserves the right to modify the course as he/she deems necessary to meet the needs of students.

VII. PRIOR LEARNING ASSESSMENT:

Students who wish to apply for advanced credit in the course should consult the instructor.