

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ON

COURSE OUTLINE

COURSE TITLE: PATHOPHYSIOLOGY II

CODE NO.: BIO218

SEMESTER: 4

PROGRAM: NURSING

AUTHOR: DAVID KELLY

DATE: JULY, 1997

PREVIOUS OUTLINE DATED: AUG/96

APPROVED:


DEAN


DATE

TOTAL CREDITS: 2

PREREQUISITE(S): BIO208

LENGTH OF COURSE: 3 HOURS/WEEK

TOTAL CREDIT HOURS: 42

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I. COURSE DESCRIPTION:

This course is a continuation of Pathophysiology I . The learner will continue to examine the concepts of human disease processes in terms of common health problems in the remaining body systems, as well as relevant diagnostic testing and treatment modalities.

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 a disease process.
3. analyze common dysfunctions of an organ or organ system, and the effect on the human body as a whole.
4. explain the principles and uses of diagnostic testing in common disease processes.
5. explain the principles of treatment modalities used for common health problems.

III. TOPICS:

Content will be examined under the following concepts:

Homeostasis and imbalances

Stress response

Challenges to homeostasis:

- genetic abnormalities
- changes in cell structure and function
- neoplasms
- restriction
- obstruction
- infection
- excess/deficiency

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III. TOPICS (Continued)

- alteration in biological integrity
- iatrogenic causes

Principles of diagnostic testing

Principles of treatment modalities

Units:

- Endocrine system
- Reproductive system
- Musculoskeletal system
- Gastrointestinal system
- Respiratory system
- Cardiovascular system
- Renal system
- Dermatological system

IV. REQUIRED RESOURCES:

Smeltzer, S. & Bare, B. (1996). Brunner & Suddarth's Textbook of Medical-Surgical Nursing (8th ed.). Toronto: Lippincott.

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.

V. EVALUATION PROCESS/GRADING SYSTEM:

1. The pass mark for the course is 60%. The course mark is composed of:

Test #1:	15%
Test #2:	15%
Test #3:	10%
Final Exam:	40%

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V. EVALUATION PROCESS/GRADING SYSTEM (Continued)

Assignment: lead poisoning 5%
Assignment: cardiovascular 15%

2. Students may be eligible for a rewrite of the two tests and the final exam, subject to the following criteria:
 - a) for a rewrite of the final exam, the student must have achieved a score of 50% on both of the two tests and the final exam;
 - b) for a rewrite of the final exam, the student must have attended 70% of the classroom learning activities, and
 - c) if a student needs to rewrite the final exam, the highest score which can be achieved for the course is 60% (C).
3. Students may resubmit the research papers to obtain a passing grade. The policy regarding extensions and late submissions as detailed in the Student Success Guide is in effect.

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.

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VI. SPECIAL NOTES (Continued)

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.

