

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: PATHOPHYSIOLOGY & THERAPEUTICS
Code No.: BIO 240-3 Semester: 4
Programme: NURSING
Date: JANUARY, 1992 Previous Outline Dated: JAN/91
Author: DAVID KELLY

New: _____ Revision: X

APPROVED:

David Kelly
Dean

Jan 12/92
Date

PATHOPHYSIOLOGY & THERAPEUTICS

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TOTAL CREDIT HOURS: 45 hours

PREREQUISITE(S):

This course is a continuation of BIO 200-3 and deals with disruptions of normal physiology and effective mental and emotional functioning. The disruptions and how they are manifested as ineffective responses will be discussed. Principles and hazards of therapies such as drugs, and parenteral fluids, surgery, diet and radiation are included.

This course requires a thorough knowledge of the accepted norms of human functioning as taught in Biology, Year 1, and the norms of mental health as taught in Psychology and Sociology, Years 1 & 2, and Nursing Theory, Year 1. Nursing Practice Theory and Clinical, both in Years 2 & 3, will build on the material presented in this course.

I. PHILOSOPHY/GOALS:

This course deals with disruptions of normal anatomy and physiology and effective mental and emotional functioning. The disruptions and how they are manifested as ineffective responses will be discussed. Principles and hazards of therapies such as drugs (including parenteral fluids), surgery and radiation are included.

II. STUDENT PERFORMANCE OBJECTIVES:

Upon successful completion of this course the student will:

A. Description of health problems of Canadians:

1. Define common and less common health problems.
2. Explain the defining characteristics of each common health problem.
3. Explain the disruptions of normal functioning caused by these common health problems.

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B. Assessment:

1. Explain the relevant clustering of ineffective pathological and clinical responses related to common health problems.
2. Explain the diagnostic measures used to determine the nature of common health problems and to follow their course.
3. Explain the relationship of relevant stimuli to the ineffective responses of common health problems.
4. Identify priority nursing diagnoses from all components/modes which are consistent with and supported by the assessment data for each of the common health problems.

C. Therapeutics:

1. Explain the pharmacological action of, and the adaptive/responses to medications used to treat the common health problems.
2. Explain the medical/surgical management of common health problems, and possible ineffective responses to the therapies involved.
3. Discuss current research into new treatments for common health problems.

NOTE: Each unit of study has specific student learning objectives.

III. TOPICS TO BE COVERED:

1. Protection (infection, immunity, poisoning)
2. Oxygen and Circulation
3. Mental Health Problems
4. Long-term Problems of Nutrition and Elimination
5. Regulation: Neurology

IV. LEARNING ACTIVITIES/REQUIRED RESOURCES:

The classroom hours are designed to highlight the major concepts in each unit of study. In addition, learning objectives are met by independent and/or guided study of materials by the viewing of audiovisual aids, reading of articles and completion of assigned readings and guided study material. All content is of equal importance and all material is testable.

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IV. LEARNING ACTIVITIES/REQUIRED RESOURCES CONTINUED:

In accordance with Sault College policy, audio and/or visual recording of classroom content will be permitted only as set out in this policy.

Students with special needs (eg: physical limitations, visual impairments, hearing impairments, learning disabilities) are encouraged to discuss required accommodations confidentially with the instructor.

V. EVALUATION METHODS:

METHOD OF ASSESSMENT (GRADING METHOD):

Grading

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

Please note that a pass in this course is a grade of "C".

There will be a maximum of 3 tests worth 60% of the final mark. The final exam for the semester will be worth 40% of the final mark, and will include material previously tested.

V. EVALUATION METHODS CONTINUED . . .

Students who are absent for tests are expected to follow College protocol in reporting their absence and to make arrangements to complete the missed test immediately upon their return to classes. Those who disregard this protocol will be assigned a mark of zero for that particular test.

Only one sitting of the test for students who have been absent will be allowed. If the student is unable to write the test at that time, the student will be awarded an "absent" notation. The weighting of term mark and final exam mark will be adjusted as follows:

<u>Number of tests missed</u>	<u>Term Mark</u>	<u>Final Exam</u>
1	40	60
2	80	20
3	0	100

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Students who are given the opportunity to write the test at a supplemental sitting may, at the teacher's discretion, have a change in the test format (eg: from multiple choice to short answer, essay, oral or a combination of these).

Established examination protocol will be in effect for all testing in this course.

IT IS UNDERSTOOD THAT ALL TEST/EXAMINATION QUESTIONS AND PAPERS ARE THE SOLE PROPERTY OF SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY.

Supplemental Exams

A supplemental examination may be offered in this course, at the discretion of the teacher, and subject to the following criteria:

1. A student must have achieved a passing mark (60%) on 50% of the term tests, and a mark of at least 50% on the final exam.
2. The entire semester's course material will be tested.
3. The multiple choice format will not necessarily be used in the supplemental exam.
4. The final grade for the semester will be based solely on the supplemental exam (eg: the term mark will not be averaged in with this exam mark). The final grade will be no higher than a "C".
5. A student may not attempt the supplemental exam more than once.

VI. REQUIRED STUDENT RESOURCES:

Bobak, I.M. and Jensen, M.D. Essentials of Maternity Nursing, 2nd edition, C.V. Mosby Co., Toronto, 1987.

Brunner, L.S. and Suddarth, D.S. Textbook of Medical-Surgical Nursing, 6th Ed., J.G. Lippincott Co., 1988.

Cherniak, D., A Book About Sexually Transmitted Diseases, 6th Ed., Montral Health Press, Inc., 1989

Child Abuse, Neglect and Deprivation with 1986 Addendum, RNAO Publications, Toronto, 1986

Clark, J., Queener, S., Karb, V., Pharmacological Basis of Nursing Practice, C. V. Mosby Co., Toronto, 1990

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Greig, J.D. AIDS: What Every Responsible Canadian Should Know, University of Toronto, 1985

Jaffe, M. and Melson, K. Laboratory and Diagnostic Cards, C.V. Mosby Co., Toronto, 1988.

Varcarolis, E.M. Foundations of Psychiatric Mental Health Nursing, W.B. Saunders Co., Toronto, 1990

Whaley, L.F. and Wong, D.L. Essentials of Pediatric Nursing, 3rd ed., C.V. Mosby Co., Toronto, 1988.

VII. ADDITIONAL RESOURCE MATERIALS AVAILABLE IN THE COLLEGE LIBRARY:

Each unit outline will give specific details of additional resource material for self-directed learning. Please refer to the above note for the importance and testing value of such materials.

VIII. SPECIAL NOTES:

The instructor reserves the right to modify the course as is deemed necessary to meet the needs of students, and to address unforeseen circumstances. The order of topics, dates of tests and final exam, may change at the discretion of the teacher or the Year 2 team of teachers.

A tentative test schedule will be posted at the beginning of the semester.