

**SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY**

**SAULT STE. MARIE, ONTARIO**



**COURSE OUTLINE**

**COURSE TITLE:** Health and Healing III  
**CODE NO. :** BSCN2107 **SEMESTER:** 4  
**PROGRAM:** Collaborative BScN  
**AUTHOR:** Andrew Metcalfe, in collaboration with Laurentian University,  
Cambrian College, Northern College, and St. Lawrence College

**DATE:** Jan. 2016 **PREVIOUS OUTLINE DATED:** Jan. 2015

**APPROVED:** *"Marilyn King"* *Jan. 2016*

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**CHAIR, HEALTH PROGRAMS**

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**DATE**

**TOTAL CREDITS:** 3

**PREREQUISITE(S):** NURS 2084, NURS 2006, BIOL 2036

**COREQUISITE(S):** BSCN2144

**HOURS/WEEK:** 3

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For additional information, please contact the Chair, Health Programs  
School of Health, Wellness and Continuing Education.  
(705) 759-2554, Ext. 2689

**I. COURSE DESCRIPTION:**

This course focuses on human pathophysiology. Opportunities are provided to translate knowledge of such science to inform nursing practice. Learners are required to integrate new and prior learning.

**II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:****Ends-in-view**

Upon completion of the course, the learner will be able to:

- Describe and explain basic principles, concepts and processes of pathophysiology that include: cellular communication; forms of cell injury; fluid and electrolyte and acid-base imbalance; immunity and inflammation; mechanisms of infection; and tumor biology.
- Demonstrate knowledge of the pathophysiology of common diseases and injury by describing functional alterations within body systems.
- Use pathophysiology terminology to communicate clients' health status.
- Describe the pathophysiology underlying client conditions and the associated clinical manifestations.
- Describe how the pathophysiology underlying client conditions guides client care and informs nursing judgment.

**Process**

Learning will be facilitated through the use of on-line resources and classroom presentations and discussion. Learners will be provided with opportunities to apply content gained from on-line learning activities and preparatory readings through classroom learning activities that include presentations, case studies and the sharing of experiential learning. Integration of content from BSCN 2107 and previous and current nursing and science courses will demonstrate how nurses use knowledge of pathophysiology to understand clinical manifestations, guide client care and inform nursing judgment. Learning activities provide opportunities to become increasingly self-directed.

**III. TOPICS:**

## Week

- 1 Introduction & Alterations in Cells and Tissues
- 2 Fluids and Immunity and Inflammation
- 3 Infections, Hypersensitivities and Cancer
- 4 Alterations of Cardiovascular Function
- 5 Alterations of Pulmonary/Respiratory Function
- 6 Mid-term
- 7 Study Week
- 8 Alterations of the Neurological System
- 9 Alterations of the Endocrine System
- 10 Alterations of Gastrointestinal System
- 11 Alterations of Renal and the Urinary Tract Function
- 12 Alterations of Musculoskeletal System
- 13 Alterations of the Integumentary System

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- Sequencing of topics/assignments subject to change based on teaching/learning needs.

**IV. REQUIRED RESOURCES/TEXTS/MATERIALS:**

VanMeter, K. and Hubert, R. (2015) *Gould's Pathophysiology for Health Professions*. 5<sup>th</sup> (Ed.) Toledo, OH: Saunders .

**Recommended Resources/ Additional Resources**

Selected case studies will be provided with selected learning activities. Other resources include:

- A medical/surgical nursing textbook
- A pharmacology textbook
- A physical examination and health assessment textbook
- A maternal/child textbook
- A medical/nursing dictionary
- A manual of laboratory and diagnostic tests
- An anatomy and physiology textbook

## V. EVALUATION PROCESS/GRADING SYSTEM:

1. **Group case study** 25%

*Learners will be assigned a case study 5 weeks prior to the due date*

2. **Midterm Test** 30%

3. **Final Exam** 45%

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100%

- Attendance is highly recommended for all students
- Missed exams or assignments will be graded "0".
- Students must complete their case study, midterm exam, and final exam to be eligible for a final grade in BSCN 2107.

**Please Note:** This course requires independent reading, completion of on-line modules, preparation and class participation.

**The following semester grades will be assigned to students in post-secondary courses:**

<u>Grade</u>	<u>Definition</u>	<u>Grade Point Equivalent</u>
A+	90 – 100%	4.00
A	80 – 89%	3.00
B	70 - 79%	2.00
C	60 - 69%	1.00
D	50 – 59%	0.00
F (Fail)	49% and below	
CR (Credit)	Credit for diploma requirements has been awarded.	
S	Satisfactory achievement in field /clinical placement or non-graded subject area.	
U	Unsatisfactory achievement in field/clinical placement or non-graded subject area.	
X	A temporary grade limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course.	
NR	Grade not reported to Registrar's office.	
W	Student has withdrawn from the course without academic penalty.	

It is also important to note, that the minimum overall GPA required in order to graduate from a Sault College program remains 2.0.

All BSCN/NURS courses require 60% for a passing grade.

If a faculty member determines that a student is at risk of not being successful in their academic pursuits and has exhausted all strategies available to faculty, student contact information may be confidentially provided to Student Services in an effort to offer even more assistance with options for success. Any student wishing to restrict the sharing of such information should make their wishes known to the coordinator or faculty member.

#### VI. SPECIAL NOTES:

Attendance:

Sault College is committed to student success. There is a direct correlation between academic performance and class attendance; therefore, for the benefit of all its constituents, all students are encouraged to attend all of their scheduled learning and evaluation sessions. This implies arriving on time and remaining for the duration of the scheduled session. *It is the departmental policy that once the classroom door has been closed, the learning process has begun.*

#### VII. COURSE OUTLINE ADDENDUM:

The provisions contained in the addendum located on the portal/LMS form part of this course outline.