



**I. COURSE DESCRIPTION:**

In this course, you will continue to learn about the process of human disease. Human disease is defined as structural or functional changes within the human body that are judged to be abnormal. You will examine the basic structural and functional changes; the study of causes that lead to the changes and manifestations that result. This course covers half of the systems. BIO208 will review the remaining systems.

It is imperative that you have a good understanding of the normal anatomy and physiology to understand the process of disease. Thus, you must review the associated anatomy and physiology before the study of each system. You will find that by reviewing the material and then applying the knowledge, your understanding of anatomy and physiology will deepen and be retained longer. Keep an anatomy and physiology text close at hand so that you may refer to it.

You will need your pathophysiology text and your medical-surgical text for your classes. Find a partner who will bring the other text. Your pharmacology text and drug reference handbook will also be valuable resources.

**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

- Respiratory disorders
- Endocrine disorders
- Fluid and electrolyte disorders

**III. TOPICS (Continued)**

- Renal disorders
- Gastrointestinal function
- Neural disorders
- Disorders of special senses
- Reproductive disorders

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

Lilley, L., Archer, R., Albanese, J. (1999). Pharmacology and the nursing Process. Mosby.

Porth, C. (1998). Pathophysiology: Concepts of altered health states. (5<sup>th</sup> ed.). Philadelphia: Lippincott.

Smeltzer, S. & Bare, B. (1996). Brunner & Suddarth's textbook of medical-surgical nursing (8<sup>th</sup> ed.). Toronto: Lippincott.

**V. EVALUATION PROCESS/GRADING SYSTEM:**

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

Quiz #1	20%
Quiz #2	20%
Quiz #3	20%
Quiz #4	20%
Final Exam	20%

2. Students may be eligible for a rewrite of the final exam, subject to the following criteria:
- a) the student must have achieved a score of 50% on each of the tests and the final exam;
  - b) the student must have attended 70% of the classroom learning activities;
  - c) the highest score which can be achieved for the course is 60% (C);
  - d) the entire semester's material will be tested.
3. The policy regarding extensions and late submissions as detailed in the Student Success Guide is in effect.

**V. EVALUATION PROCESS/GRADING SYSTEM:**

***The following semester grades will be assigned to students in postsecondary courses:***

<u>Grade</u>	<u>Definition</u>	<u>Grade Point Equivalent</u>
A+	90 - 100%	4.00
A	80 - 89%	3.75
B	70 - 79%	3.00
C	60 - 69%	2.00
R (Repeat)	59% or below	0.00
CR (Credit)	Credit for diploma requirements has been awarded.	
S	Satisfactory achievement in field placement or non-graded subject areas.	
X	A temporary grade. This is used in limited situations with extenuating circumstances giving a student additional time to complete the requirements for a course (see <i>Policies &amp; Procedures Manual - Deferred Grades and Make-up</i> ).	
NR	Grade not reported to Registrar's office. This is used to facilitate transcript preparation when, for extenuating circumstances, it has been impossible for the faculty member to report grades.	

**VI. SPECIAL NOTES:**Special Needs:

If you are a student with special needs (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with the instructor and/or contact the Special Needs office, Room E1204, Extension 493, 717, or 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 postsecondary institutions.

Disclaimer for meeting the needs of learners:

The Professor reserves the right to change the information contained in this course outline depending on the needs of the learner and the availability of resources.

Plagiarism

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

Substitute course information is available in the Registrar's office.

**VII. PRIOR LEARNING ASSESSMENT:**

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