

**SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY**

**SAULT STE. MARIE, ONTARIO**



Sault College

**COURSE OUTLINE**

**COURSE TITLE:** Human Anatomy and Physiology I  
**CODE NO. :** BIO106 **SEMESTER:** 1  
**PROGRAM:** Nursing and Practical Nursing  
**AUTHOR:** Leslie Foster, Margaret Hurtubise, Marion Marks  
**DATE:** Jan/02 **PREVIOUS OUTLINE DATED:** Aug/01  
**APPROVED:**

\_\_\_\_\_  
**DEAN**

\_\_\_\_\_  
**DATE**

**TOTAL CREDITS:** 4

**PREREQUISITE(S):** None

**HOURS/WEEK:** 4

**Copyright © 2001 The Sault College of Applied Arts & Technology**  
*Reproduction of this document by any means, in whole or in part, without prior written permission of Sault College of Applied Arts & Technology is prohibited.*  
*For additional information, please contact Judi Maundrell, Dean*  
*School of Health and Human Services*  
*(705) 759-2554, Ext. 689/603*

**I. COURSE DESCRIPTION:**

This course is the study of normal anatomy and physiology beginning with an orientation of the human body and continuing through the cell, and four of the major systems. An introduction to microbiology is included. Three unifying themes, the interrelationships of the body organ systems, homeostasis, and the complementarity of structure and function, will provide the basis of understanding and the workings of the human body.

**II. LEARNING OUTCOMES:**

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

1. utilize the terminology related to the structure and function of the human body.
2. recognize the interrelationship of cells, tissues, organs and body systems.
3. differentiate the basic chemical concepts and principles as they are related to human anatomy and physiology.
4. integrate the structural characteristics and functional processes common to all human cells and tissues.
5. describe the location, structure and function of organs of the stated major body systems.
6. recognize the effect of microbes on the human body.
7. analyze the interrelationships of body organ systems, homeostasis and the complementarity of structure and function.

**III. TOPICS:**

- |                                   |                             |
|-----------------------------------|-----------------------------|
| 1) Microbiology                   | 7) Musculoskeletal System   |
| 2) Organization of the Human Body | 8) The Nervous System       |
| 3) The Chemical Basis of Life     | 9) The Somatosensory System |
| 4) The Cell                       | 10) The Special Senses      |
| 5) Tissues                        | 11) The Endocrine System    |
| 6) The Integumentary System       |                             |

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

Thibodeau, G.A. and Patton, K.T. (1999). Anatomy & physiology (4th ed.). Mosby Year Book.

Thibodeau, G.A. and Patton, K.T. (1999). Anatomy & physiology study guide (4th ed.). Mosby Year Book. (optional)

Human Anatomy and Physiology 1 Student Resource Package, 2001.

Microbiology texts on reserve in the College Library.

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

1. The pass mark for this course is 60%. It is composed of term quizzes, assignments, mid-term exam and a final exam.

2. Evaluation Methods:

Quizzes	30%
---------	-----

Mid-Term Exam (multiple choice & diagrams)	35%
--	-----

Final Exam (multiple choice, diagrams and short answer microbiology)	<u>35%</u>
--	------------

TOTAL	100%
-------	------

Mid-term exam will consist of course material from the beginning of the course until the mid-term date.

Final exam will consist of anatomy and physiology from the mid-term exam to the end of the course. The final exam will test all microbiology content for the semester.

3. Students who receive a mark of below 60% may be eligible to write a supplemental exam. The following criteria applies:

- received at least 50% in the overall mark
- attended at least 80% of the classes

The supplemental exam will cover the whole semester. It may include multiple choice questions, short answer and/or matching questions and diagrams.

**V. EVALUATION PROCESS/GRADING SYSTEM (Continued):**

4. Students missing the unit tests for any reason will **not** be able to write them at any other date.
5. Students missing the mid-term exam or final exam because of illness or other serious reason must phone the professor **before** the exam to inform her/him (759-2554, Ext. 630). Those students who have notified the professor of their absence, according to policy, will be eligible to arrange an opportunity as soon as possible to write the exam at another time. Those students who **do not notify** the professor will receive a zero for that exam.
6. Students receiving borderline marks (59, 69, 79, 89) will have their mark advanced to the next category if they have attended at least 80% of the classes.
7. Course Grading Scheme:

***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.	
U	Unsatisfactory 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 not been possible 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 your instructor and/or the Special Needs office. Visit Room E1204 or call 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.

Plagiarism:

Students should refer to the definition of “academic dishonesty” in *Student Rights and Responsibilities*. Students who engage in “academic dishonesty” will receive an automatic failure for that submission and/or such other penalty, up to and including expulsion from the course/program, as may be decided by the professor/dean. In order to protect students from inadvertent plagiarism, to protect the copyright of the material referenced, and to credit the author of the material, it is the policy of the department to employ a documentation format for referencing source material.

Course outline amendments:

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.

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

Attendance

Students are expected to attend all classes. Various handouts may be given out during class and students are responsible for keeping up with the material missed. The easiest way to do this, is to attend classes.

*Sault College wishes to acknowledge the contribution Georgian College has made to this course.*

**VII. PRIOR LEARNING ASSESSMENT:**

Students who wish to apply for advanced credit in the course should consult the professor. Credit for prior learning will be given upon successful completion of a challenge exam or portfolio.

**VIII. DIRECT CREDIT TRANSFERS:**

Students who wish to apply for direct credit transfer (advanced standing) should obtain a direct credit transfer form from the Dean's secretary. Students will be required to provide a transcript and course outline related to the course in question.