

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ON

COURSE OUTLINE

COURSE TITLE: HUMAN ANATOMY AND PHYSIOLOGY I

---

CODE NO.: BIO 108 SEMESTER: I

---

PROGRAMME: NURSING & PRACTICAL NURSING

---

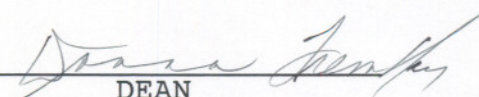
AUTHOR: JUDI MAUNDRELL & BRENDA WARNOCK

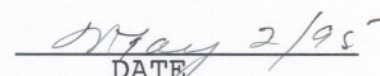
---

DATE: SEPTEMBER, 1995 PREVIOUS OUTLINE DATED: NEW

---

APPROVED:

  
DEAN

  
DATE

HUMAN ANATOMY & PHYSIOLOGY I  
COURSE NAME

BIO 108  
CODE NO.

TOTAL CREDITS: 2

PREREQUISITE(S): NONE

I. PHILOSOPHY/GOALS:

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

II. LEARNING OUTCOMES:

In this course, many learning activities are designed to foster collaborative learning in small groups. In order for the learner to develop the ability to critically think, reflect and integrate new information, the learner must engage in active dialogue with colleagues and the teacher. It is therefore to the learner's benefit that the learner attend and participate in class.

Upon the completion of this course the student will have:

1. utilized the terminology related to the structure and function of the human body.
2. demonstrated an understanding of the interrelationships of cells, tissues, organs and body systems.
3. demonstrated an understanding of the basic chemical concepts and principles as they are related to human anatomy and physiology.
4. integrated the structural characteristics and functional processes common to all human cells.
5. demonstrated an understanding of the location, structure and functioning of the major body systems.
6. discovered the effect of microbes on the human body.
7. analyzed the interrelationships of body organ systems, homeostasis and the complementarity of structure and function.

HUMAN ANATOMY & PHYSIOLOGY I  
COURSE NAME

BIO 108  
CODE NO.

**III. TOPICS:**

The following concepts will be covered:

- Organization of the human body
- The chemical basis of life
- The cell
- Tissues
- The Skin
- Osseous tissue/bone
- The skeletal system
- The joints
- The muscular system
- Microbiology
- Nervous Tissue
- The central nervous system
- The peripheral nervous system
- The autonomic nervous system
- The somatosensory system
- Special senses
- The endocrine system

**IV. LEARNING ACTIVITIES/RESOURCES:**

Refer to teacher/student resource and learning packages for learning activities/resources.

**V. EVALUATION:**

1. The pass mark for this course is 60%. It is composed of term quizzes, assignments, mid-term exam and a final exam.
2. Students with a mark below 60% will be eligible to rewrite or resubmit the test, exam or assignment. The higher of the two marks will be recorded as the student's mark. This rewrite will be negotiated between the student and the teacher. Refer to "General Information and Practicum Experience Booklet" for specific policies.
3. Evaluation Methods:
  - Quizzes (10 in total, top 8 are counted) 20%
  - Microbiology Assignment 20%
  - Mid-term Exam (60 multiple choice and 20 diagrams = 80 marks) 30%
  - Final Exam (30 multiple choice and 20 diagrams = 100 marks) 30%  
100%

**Mid-term Exam:** course material from the beginning of the course until mid-term date

**Final Exam:** course material from mid-term exam to end of the course

HUMAN ANATOMY & PHYSIOLOGY I

BIO 108

COURSE NAME

CODE NO.

**VI. PRIOR LEARNING ASSESSMENT:**

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

**VII. REQUIRED STUDENT RESOURCES:**

Thibideau, G. & Patton K.T., Anatomy and Physiology, 2nd ed., Mosby Year Book, Inc., 1993

Thibideau, G. & Patton K.T., Anatomy and Physiology Student Guide, 2nd ed., Mosby Year Book, Inc., 1993

Human Anatomy & Physiology I Student Resources Package

**VIII. ADDITIONAL RECOMMENDED RESOURCES:**

Books:

Burton, G., Microbiology for the Health Sciences, 4th ed., J.B. Lippincott Co., Philadelphia, 1992

Refer to the student/teacher resource and learning packages for additional recommended resources.

**IX. SPECIAL NOTES:**

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

Your instructor reserves the right to modify the course as he/she deems necessary to meet the needs of students.

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

**X. COURSE ANALYSIS SHEETS:**

