

**BIOLOGY 150 – WINTER 2003**  
**BIOLOGY FOR HEALTH SCIENCE 1 : HUMAN ANATOMY**  
**Course Outline**

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**CALENDAR DESCRIPTION**

*Biology 150 provides an introduction to structural and functional relationships within the 11 systems of the human body. Using a lab and lecture based format, a combination of slides, models, photographs, diagrams and organ dissections is used to study both gross and microscopic human anatomy. Anatomical and physiological terminology is stressed, with a particular emphasis on its relevance to human health sciences.*

**PREREQUISITES**

*English 12, Biology 12 (with a minimum grade of C)*

**INSTRUCTOR**

*Peggy Hunter      Phone: 370-9644*

*Office: F248C*

*Office hours: as posted on office door*

**COURSE PARTICULARS**

**Class hours:**      *1.5 hrs lab/week*

**Out of class:**      ***6 hrs/week (minimum!)***

**Credits:**      *4 credits (with lecture component)*

**TEXTS**

**Required:**

Camosun College, Department of Biology. *Biology 150: Laboratory Manual – Fall 2002*

**Optional:**

Langjahr, S.W. and Brister, R.D., *Coloring Atlas Of Human Anatomy*, 2nd ed., Benjamin/Cummings, 1992.

## INTENDED LEARNING OUTCOMES

1. *Describe, using anatomical terminology, the human body at the tissue, organ and organ system levels*
2. *Locate and identify gross and microscopic anatomical structures associated with the 11 human organ systems in slides, models, photographs, diagrams and dissections*
3. *Visualize and interpret the relationships between anatomical structures in sectional planes of the human body, and describe these relationships using regional and directional terminology*
4. *Relate anatomical structures to their basic functions and predict how changes in one would logically be expected to result in changes in the other*
5. *Locate and identify surface anatomical structures by palpation*
6. *Define anatomical and physiological terms, and apply this terminology in the context of human health science*

## EVALUATION

*Your progress in learning about human anatomy will be assessed on a continuous basis using a number of methods. Each week some marks will be awarded for laboratory exercises and/or weekly quizzes. There will be two laboratory examinations.*

*As is the policy for other university transfer science courses, it is necessary to pass the laboratory component of this course to obtain credit for the course .*

Quizzes and/or assignments .....	15%
Lab exam 1 .....	12.5%
Lab exam 2 .....	12.5%
LAB TOTAL	<u>40%</u>

*The exams will be given at the times indicated on the Course Schedule. Alternate times for laboratory exams not possible. Alternate times for other evaluations will only be granted for genuine emergencies, supported by a doctor's note. **Note:** Vacation plans do not constitute an emergency.*

A+	=	95% and over	C+	=	65% and over
A	=	90% and over	C	=	60% and over
A–	=	85% and over	D	=	50% and over
B+	=	80% and over	F	=	less than 50%
B	=	75% and over			
B–	=	70% and over			

## GENERAL DEPARTMENT POLICIES

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1. *Students are responsible for contacting their instructor if they are absent from exams or quizzes or do not hand in a project on time. Those who are ill and contact the instructor **prior** to the evaluation time will have alternative times established, but only if a valid written medical excuse has been supplied by a physician. Those who do not contact the instructor will forfeit the grades on quizzes or exams missed. **"Late" assignments will be accepted, but at a penalty of 15%/day late. In class lab assignments cannot be made up outside of lab time.***
2. ***All projects submitted to an instructor for evaluation must be typed or word-processed, double-spaced, and stapled in the upper left corner.** [Please, no folders or plastic covers]*
3. ***Attendance is mandatory in lab periods** because many activities depend upon work by pairs or groups of 4 students. Absences will be noted and penalized, unless a call is made to the instructor. [All phones have answering machines.] In the latter case if a doctor's note is provided, lab work will be reviewed for the student as much as possible.*
4. *All students are required to pass a quiz on microscope procedures and care of microscopes prior to continuing with laboratory work in department courses.*
5. *Final exams must be written when they have been scheduled during the exam period. No student should plan to be absent from Victoria until after the last day of this period.*
6. *Plagiarism is not accepted. All lab write-ups other than group reports, even those that are based upon data common to a lab group, should be presented individually. Should two very similar projects, reports or labs be turned in -- the original mark will be divided accordingly.*
7. *Cheating on quizzes and exams is not tolerated. Any incidents will be documented and may result in the student being asked to forfeit the exam and perhaps the course.*
8. *For safety reasons, there is **no eating or drinking** allowed in the lab rooms:*
9. *Prior to taking part in lab activities all students are required to sign a statement certifying that they have read and agree to follow the laboratory procedures and safety regulations.*
10. *Individual courses may have additional policies which will be stated on introductory sheets. It is the student's responsibility to read these sheets and be aware of information they contain.*

### **COURSE SCHEDULE - WINTER 2003**

The following is a tentative schedule and will remain flexible as the semester proceeds. Whenever possible, lab material will be integrated into lectures.

<b>week</b>	<b>dates</b>	<b>labs</b>
1	Feb 4	<b>Lab 1</b> Course Introduction and Body overview
2	Feb 11	<b>Lab 2</b> Microscopy and Cell Structure
3	Feb 18	<b>Lab 3</b> Tissues and the Integumentary System
4	Feb 25	<b>NO LAB</b>
5	Mar 4	<b>Lab 4</b> Introduction to Skeletal System (Axial System)
6	Mar 11	<b>Lab 5</b> Skeletal System (Appendicular Skeleton) and Articulations
7	Mar 18	<b>SPRING BREAK</b>
8	Mar 25	<b>Lab 6</b> Muscular System
9	April 1	<b>NO LAB</b>
10	April 8	<b>LAB EXAM 1(12.5%)</b> (labs 1-6)
11	April 15	<b>NO LAB</b>
12	April 22	<b>Lab 7</b> Central Nervous System
12	April 29	<b>Lab 8</b> <b>Peripheral Nervous System</b>
13	May 6	<b>Lab 9</b> Special Senses and Endocrine
14	May 13	<b>Lab 10</b> Cardiovascular and Lymphatic Systems
15	May 20	<b>Lab 11</b> Respiratory and Digestive Systems
16	May 27	<b>Lab 12</b> Urinary and Reproductive Systems
17	June 3	<b>NO LAB</b>
18	June 10	<b>LAB EXAM (12.5%)</b> - labs 7-12