**Basic Anatomy**

**BIOL 121 (&121L), 3/1 cr. hrs.**

**Black Hills State University**

**Spring, 2008**

**Course Meeting Time and Location:**

lecture - 10:00-10:50 MWF, BYC 214

lab - 9:00-10:50 (sect. 001) or 11:00-12:50 (sect. 002) on Tuesday, BJS 147

**Instructor’s Contact Information:**

**Dr. Charles Lamb**

Office - BJS 150

Office hours – MW 1-2, TTh 8-9

Phone - 642-6026

Email - CharlesLamb@bhsu.edu

Website – <http://www.bhsu.edu/charleslamb>

**Course Description :**

This course covers the anatomy of the human body to include biological principles and medical nomenclature. This course is specifically designed for students in the pre-nursing curriculum.

**Course Prerequisites:**

This course requires no prerequisites or corequisites. As far as student preparation, I will announce the required reading for each meeting in advance, and I expect each student to read the material before coming to class. Falling behind in this course is easy to do and difficult to remedy (we will be covering approximately 750 pages of text in lecture alone!), so it is the responsibility of each student to be prepared.

**Description of Instructional Methods:**

This course will be taught primarily by lecture presentations and discussion. Those students in the laboratory (BIOL121L) will be doing cat dissections and using prosected material from humans and other organisms to complement the lecture material.

**Course Requirements:**

Textbooks:

            Lecture -          *Human Anatomy*                                    (required)

                                                Martini, Timmons, & Tallitsch

Lab -               *A Study of the Cat: with Reference to Human Beings*          (required)

                                    Walker and Homberger

Attendance Policy -

Regular attendance is the responsibility of each student. You will not be penalized for missing lectures (other than having to depend on your fellow students for the material covered that day), but I plan on covering about 30 pages of text per day and it is your responsibility to keep up with the class. In laboratory, I expect you to put in as much time and effort as it takes to learn the structures of the body. How you do this is your business, but I strongly recommend taking advantage of the time that I am with you in the laboratory. Students may not miss an examination, unless they contact me prior to the scheduled examination date to arrange for a make-up exam. Any unexcused absences will result in the student receiving zero points for that examination.

Cheating and plagiarism policy -

Each student should be familiar with the guidelines for Personal Identification and Representation as stated in the Student Handbook. The following passage is particularly relevant:

            *"A student who, in connection with his or her studies, disrupts a class, plagiarizes, cheats, or otherwise violates reasonable standards of academic behavior may, at the discretion of the faculty member involved, have his or her enrollment cancelled and/or be given a reduced or failing grade."*

You're investing your money and your time in order to get a quality education, so I expect all of you to act as responsible adults.

Make-up policy -

(see above)

**Course Learning Goals or Objectives:**

We will be learning how form is related to function in the human body. You should come out of this course with a detailed knowledge of how structure affects function in different organ systems in the body. This course is designed to prepare students for advanced study primarily in nursing and dental hygiene programs.

**Evaluation Procedures:**

Students will receive separate grades for the lecture and laboratory portions of this course. The grades will be determined as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| **Percentage** | **Grade** | **Lecture** | **Lab** |
| 90-100 % | A | 324-360 pts | 225-250 pts |
| 80-89 | B | 288-323 | 200-224 |
| 70-79 | C | 252-287 | 175-199 |
| 60-69 | D | 216-251 | 150-174 |
| <60 | F | 0-215 | 0-149 |

Lecture -

Each of the three exams will cover only material presented during that section of the course. They will be worth 100 points each. In addition to the 3 exams, there will be 3 short quizes worth 20 points each. Thus, there are 360 points available in the lecture portion of the course.

Labs -

Each student's performance in lab will be evaluated by two practical exams, each involving only the material covered during that portion of the course. These tests are worth 100 points each. An additional 50 points is available in the form of a lab notebook that the student produces during the course of the semester. This notebook will be a collection of notes, drawings, comments, etc. that the student will contribute to every day they are in the lab. It will be graded on originality, completeness, and effort, so copied or traced material is discouraged. There is no set format that each student must follow, but this should be approached as a study aid to help you learn the multitude of structures that you will be responsible for in lab.

**ADA Statement (must be used verbatim):**

*“Reasonable accommodations, as arranged through the Disabilities Services Coordinator, will be provided students with documented disabilities. Contact the BHSU Disabilities Services Coordinator at 642-6099 (room 022 in the Student Union) for more information.”*

**Academic Freedom and Responsibility (must be used verbatim):**

*“Under Board of Regents and University policy student academic performance may be evaluated solely on an academic basis, not on opinions or conduct in matters unrelated to academic standards. Students should be free to take reasoned exception to the data or views offered in any course of study and to reserve judgment about matters of opinion, but they are responsible for learning the content of any course of study for which they are enrolled. Students who believe that an academic evaluation reflects prejudiced or capricious consideration of student opinions or conduct unrelated to academic standards should contact the chair of the department in which the course is being taught to initiate a review of the evaluation.”*

**Tentative Course Outline/Schedule:**

     Lecture:

            Section 1 -       Chapters 1-8 in Martini, Timmons, and Tallitsch;

                                    Quiz on Mon., **Feb. 08**; Exam on Wed., **Feb. 25**

            Section 2 -       Chapters 9-18 in Martini, Timmons, and Tallitsch;

                                    Quiz on Mon., **Mar. 14**; Exam on Mon., **Apr. 07**

            Section 3 -       Chapters 19-28 in Martini, Timmons, and Tallitsch;

                                    Quiz on Mon., **Apr. 23**; Exam at **8:00 AM** on Fri., **May 09** (Final)

     Lab:

            Section 1 -       External anatomy, Skeleton, Muscles

                                    Exam on **Mar. 04**

            Section 2 -       Nervous, Digestive, Respiratory, Circulatory, and Urogenital systems

                                    Exam on **Apr. 29**

**Basic Anatomy (BIOL 121) Lecture Schedule (tentative):**

**(Spring, 2008)**

|  |  |
| --- | --- |
| **Date** | **Topic** |
| **Jan 18** | Introduction (Ch.1) |
| **21** | MLK Day |
| **23** | Tissues |
| **25** | no class (Science Fair) |
| **28** |      "     |
| **30** | Integument (Ch. 4) |
| **Feb 01** |      "     |
| **04** | Skeletal Structure (Ch. 5) |
| **06** |      " |
| **08** | Axial Skeleton (Ch. 6) (**Quiz 1**) |
| **11** |      " |
| **13** | Appendicular Skeleton (Ch. 7) |
| **15** |      " |
| **18** | Presidents' Day |
| **20** | Articulations (Ch. 8) |
| **22** |      " |
| **25** | **Exam 1** |
| **27** | Muscle Tissue (Ch. 9) |
| **29** |      " |
| **Mar 03** | Muscles (Ch. 10-11) |
| **05** |      " |
| **07** | Nerves (Ch. 13) |
| **10** | Spinal Cord & Nerves (Ch. 14) |
| **12** |      " |
| **14** | Brain (Ch. 15/16) (**Quiz 2**) |
| **17** | Spring Break |
| **19** |      " |
| **21** |      " |
| **24** | Easter Monday |
| **26** | Brain (cont.) |
| **28** | Autonomic Nerv. Syst. (Ch. 17) |

|  |  |
| --- | --- |
| **31** | Senses (Ch. 18) |
| **Apr 02** |      " |
| **04** |      " |
| **07** | **Exam 2** |
| **09** | Endocrine System (Ch. 19) |
| **11** | Heart (Ch. 21) |
| **14** | Vessels (Ch. 22) |
| **16** | Respiratory System (Ch. 24) |
| **18** | Digestive System (Ch. 25) |
| **21** |     "     |
| **23** | Urogenital Systems (Ch. 26/27) (**Quiz 3**) |
| **25** |      " |
| **28** |      " |
| **30** | Development (Ch. 28) |
| **May 02** |      " |
| **09** | **Exam 3** (8:00 on Fri., 09 May) |