

## **IB 131 Human Anatomy Lecture Syllabus:**

University of California, Berkeley, Department of Integrative Biology

### **Instructor:**

Lectures Monday, Wednesdays, Fridays from 11-12 AM in Wheeler Auditorium

### **Course Exams:** Two Midterm Exams and a Final Exam

Midterm #1 is worth 30%, Midterm #2 is worth 30%, and Final Exam is worth 40% of final course grade

Midterm #1: Monday, 9/25/17 from 11-12:00

Midterm #2: Monday, 10/23/17 from 11-12:00

Final Exam: Tuesday, 12/12/17 at 7:00 PM

### **Required Texts:**

M=Marieb, Wilhelm, & Mallatt, *Human Anatomy*, 8<sup>th</sup>, 7<sup>th</sup>, or 6<sup>th</sup> Ed.

IB 131 LECTURE Reader (can be purchased at Krishna Copy Center, 2001 University Ave., phone 540-5959)

### **Recommended Supplemental Texts & Materials:**

PAL (Practice Anatomy Lab) Version 3.0 (Pearson/Benjamin Cummings)

The Brief Atlas of the Human Body (Pearson/Benjamin Cummings)

Mastering A & P

The Anatomy Coloring Book by Kapit & Elson

W=Young & Heath, *Wheater's Functional Histology*, 5<sup>th</sup> Ed.

### **Recommended Supplemental Web-based material:**

3-D Brain App – Science NetLinks: go to Targeted Content and select 3-D Brain

Visual Anatomy Lite

Zygotebody.com

<http://www.med.umich.edu/lrc/coursepages/m1/anatomy2010/html/INDEX.htm>

<http://www.histology.leeds.ac.uk/index.php>

## **Table of Contents of IB 131 Lecture Reader**

Reader can be purchased at Krishna Copy Center, 2001 University Ave., telephone: 540-5959

**Course lecture topics will be given in the following sequence:**

**Pages** are from the course reader

**Chapters** are from the Marieb textbook (M=Marieb textbook )

Syllabus : Pages 1-2

Topic 1: Anatomy Introduction, Pages 3-5 (M Chap 1)

Topic 2: Epithelial Tissue, Connective Tissue Proper, Embryology  
Pages 6-25 (M Chap 4, 3)

Topic 3: Bone Tissue, Pages 26-41 (M Chap 6)

Topic 4: Axial Skeleton, Pages 42-70 (M Chap 7)

Topic 5: Appendicular Skeleton, Pages 71-85 (M Chap 8)

Topic 6: Joints, Pages 86-109 (M Chap 9)

Topic 7: Muscle Tissue, Pages 110-121 (M Chap 10)

Topic 8: Muscles, Pages 122-157 (M Chap 11)

Topic 9: CNS Tissue, Pages 158-177 (M Chap 12)

Topic 10: Spinal Cord, Brain Stem, Diencephalon & Cerebellum,  
Pages 178-208 (M Chap 13)

Topic 11: Cerebrum, Pages 209-243 (M Chap 13)

Topic 12: Special Senses, Pages 244-271 (M Chap 16)

Topic 13: Peripheral Nervous System, Pages 272-297 (M Chap 14)

Topic 14: Autonomic Nervous System, Pages 298-307 (M Chap 15)

Topic 15: Blood Vessels, Pages 308-326 (M Chap 20)

Topic 16: Blood, Pages 327-334 (M Chap 18)

Topic 17: Endocrine, Pages 335-343 (M Chap 17)

Topic 18: Respiratory System, Pages 344-365 (M Chap 22)

Topic 19: Heart, Pages 366-384 (M Chap 19)

Topic 20: Digestive System, Pages 385-408 (M Chap 23)

Topic 21: Integument, Pages 409-430 (M Chap 5)

Topic 22: Lymphatic & Immune Systems, Pages 431-442 (M Ch 21)

Topic 23: Urinary, Pages 443-459 (M Chap 24)

Topic 24: Reproductive systems, Pages 460-473 (M Chap 25)