

BIOLOGY 100
IMPERIAL VALLEY COLLEGE
SPRING 2005 – DR. SORENSON

COURSE TITLE: BIOLOGY 200
CODE 20758
CLASS DATES – TIME – ROOM: FRIDAY 4:00-7:50 P.M. ROOM 413
SATURDAY 8:00-11:50 A.M. ROOM 413.
TEXTBOOKS: HUMAN ANATOMY AND PHYSIOLOGY BY ELAINE MARIEB
HUMAN ANATOMY AND PHYSIOLOGY BY ELAINE MARIEB
CREDIT UNITS: 4

INSTRUCTOR INFORMATION:

NAME: DR. B. SORENSON M.D.
OFFICE NUMBER: 1604 I
OFFICE HOURS: TUESDAYS 5:30-7:00 P.M.
THURSDAYS 5:30-7:00 P.M.
FRIDAYS 3:00-4:00 P.M.
SATURDAYS 12:00-1:00 P.M.
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COURSE DESCRIPTION

HUMAN ANATOMY AND PHYSIOLOGY IS A TWO-SEMESTER STUDY OF THE STRUCTURE AND FUNCTION OF THE HUMAN ORGANISM, FROM THE MOLECULAR TO THE GROSS LEVEL. PREPARATORY FOR NURSING PROGRAM AND PARAMEDICAL PROGRAMS. IT IS RECOMMENDED THAT BIOLOGY 200 BE TAKEN BEFORE BIOL 202. (CSU) (UC CREDIT LIMITED, SEE A COUNSELOR.)

REQUIRED MATERIALS

- A NOTEBOOK OR BINDER TO KEEP YOUR NOTES TAKEN IN CLASS
- A SCANTRON PAPER TO ANSWER YOUR WEEKLY CLASS TEST
- A NUMBER 2 LEAD PENCIL TO BUBBLE YOUR ANSWERS IN THE SCANTRON
- YOUR TEXTBOOK DURING LECTURES
- YOUR ANATOMY LAB. MANUAL AND CD ROM DURING LABS TO FILL OUT YOUR LAB REPORT
- NO CELL PHONES WILL BE ALLOWED DURING CLASS OR LABS

ATTENDANCE POLICY

- LEAVING WITHOUT PERMISSION BEFORE THE CLASS OR LAB HAS ENDED WILL BE CONSIDERED AS AN ABSENCE

- THREE TARDIES ARE CONSIDERED AS ONE ABSENCE
- STUDENTS MAY BE DROPPED AFTER 3 ABSENCES WITHOUT EXCUSE
- ROLL WILL BE TAKEN AT THE BEGINNING AND AT THE END OF EACH CLASS.

EXAM AND GRADING PROCEDURES

LECTURE EXAMS	2000 POINTS
LAB REPORTS	2000
PROJECTS	600
PRESENTATIONS	100
TERM PAPER	100
PARTICIPATION	100
EXTRA ASSIGNMENTS	100
TOTAL	5000
GRADE A	5000-4500
GRADE B	4499-3501
GRADE C	3500-3001
GRADE D	3000-2950
GRADE F	2949

ANY STUDENT WITH A DOCUMENTES DISABILITY WHO MAY NEED EDUCATIONAL ACCOMODATIONS SHOULD NOTIFY THE INSTRUCTOR OR THE DISABLED STUDENT PROGRAMS& SERVICES, DSP & S OFFICE AS SOON AS POSSIBLE IN ROOM 2117 HEALTH SCIENCES BUILDING.PHONE # 3556312

WEEKLY SCHEDULE

JAN. 15: ROSTERS. INTRODUCTION TO THE HUMAN BODY

JAN.21: CHAPTER 1 THE HUMAN BODY
THE LANGUAGE OF ANATOMY EX. 1 (MODELS)

JAN. 22: CHAPTER 1 THE HUMAN BODY
ORGAN SYSTEMS OVERVIEW EXERCISE. 2 (HUMAN TORSO MODELS)

JAN. 28 CHAPTER 2 BASIC CHEMISTRY
LAB EXERCISE 3 THE MICROSCOPE AND ATOMS & MOLECULES VIDEO

JAN. 29: CHAPTER 3 THE LIVING CELL
LAB EXERCISE 4 THE CELL ANATOMY & DIVISION CD ROM CELL
STRUCTURE AND DIVISION CELL SLIDES MITOSIS
LAB 5 A THE CELL TRANSPORT ONLY ACTIVITY 3 DIFFUSION OF DYE

FEB 4: CHAPTER 4 TISSUES
CLASSIFICATION OF TISSUES EX. 6A AND TISSUE SLIDES FOR MICROSCOPES

HISTOLOGY ATLAS PAGES 729-739

- FEB.5: CHAPTER 4 TISSUES CONTINUATION
LAB REVIEW SHEET EXERCISE 6 A AND TISSUE SLIDES FOR MICROSCOPES
PRESENTATIONS START
- FEB.11: CHAPTER 5 INTEGUMENTARY SYSTEM
LAB.EXERCISE 7 AND 8 INTEGUMENTARY SYSTEM AND MEMBRANES
CLASSIFICATION REVIEW SHEET EXERCISE 7 AND 8
- FEB.12: CHAPTER 6 BONES AND SKELETAL
LAB.EXERCISE 9 OVERVIEW OF THE SKELETON / BONES AND CARTILAGES
THE SKELETON MODELS AND REVIEW SHEET EXERCISE 9
- FEB.18: HOLIDAY
- FEB.19: CHAPTER 7 THE SKELETON AXIAL
LAB.EXERCISE 10 THE AXIAL SKELETON (SKULL AND FACIAL BONES MODELS)
AND REVIEW SHEET EXERCISE 10
- FEB.25: CHAPTER 7 CONT. THE AXIAL SKELETON
LAB EXERCISE 10 CONT. VERTEBRAL COLUMN AND RIBS BONE MODELS
AND CONTINUATION OF REVIEW SHEET EXERCISE 10
- FEB.26: CHAPTER 7 THE APPENDICULAR SKELETON
LAB EXERCISE 11 GIRDLES AND LIMBS CD ROM AND REVIEW SHEET EX. 11
- MAR. 4: CHAPTER 8 JOINTS
LAB.EXERCISE 13
CLASSIFICATION – FIBROUS AND CARTILAGINOUS JOINTS CD ROMS
- MAR. 5: CHAPTER 8 JOINTS CONT.
EXERCISE 13 REVIEW SHEET
HOMEOSTATIC IMBALANCES/DEVELOPMENT CD ROMS
- MAR.11 CHAPTER 9 MUSCLE AND MUSCLE TISSUE
LAB EXERCISE 14 MICROSCOPIC ANATOMY OF SKELETAL MUSCLE AND
NEUROMUSCULAR JUNCTION MODEL AND VIDEO
- MAR.12: CHAPTER 9 MUSCLE AND MUSCLE TISSUE
LAB.REVIEW SHEET EXERCISE 14
- MAR.18: CHAPTER 10 THE MUSCULAR SYSTEM INTERACTION, NAMING AND MAJOR
MUSCLES OF THE BODY PAGES 325-334
LAB.EXERCISE 15 GROSS ANATOMY OF THE MUSCULAR SYSTEM PAGES 137-141
LAB.REVIEW SHEET EXERCISE 15 PAGES 579 HUMAN MUSCLES
- MAR.19: CHAPTER 10 MUSCULAR SYSTEM PAGES 335-347 MUSCLES OF THE FACE, NECK
AND VERTEBRAL COLUMN
LAB EXERCISE 15 FACE, NECK, THORAX AND VERTEBRAL COLUMN PAGES 142-152
LAB.REVIEW SHEET PAGES 580-581
- MAR.25: GOOD FRIDAY NO CLASS
- MAR.26: NO CLASSES

- APR.1: NO CLASSES
- APR.2: CHAPTER 10 THE MUSCULAR SYSTEM PAGES 348-366 MUSCLES FROM ARMS TO HAND FINGERS
LAB EXERCISE FROM PAGES 153-157 UPPER LIMBS INCLUDING HANDS
LAB.REVIEW SHEET 15 FROM PAGES 582
- APR 8: CHAPTER 10 THE MUSCULAR SYSTEM LOWER LIMBS AND FOOT PAGES 367-384
LAB.EXERCISE 15 FROM PAGES 158-166
LAB REVIEW SHEET 15 PAGES 583-586
- APR 9: LAB FETAL PIG DISSECTION OF MUSCLES DISSECTION EXERCISE 1 PAGES 751-765
- APR.15: CHAPTER 11 FUNDAMENTALS OF NERVOUS SYSTEM AND NERVOUS TISSUE
LAB.EXERCISE 17 HISTOLOGY OF THE NERVOUS TISSUE.- NEURONS SLIDES
REVIEW SHEET EXERCISE 17
- APR 16: CHAPTER 12 THE CENTRAL NERVOUS SYSTEM PAGES 431-456
LAB EXERCISE 19 GROSS ANATOMY OF THE BRAIN AND CRANIAL NERVES
REVIEW SHEET EXERCISE 19. SHEEP'S BRAIN DISSECTION.
- APR 22: CHAPTER 12 CONTINUATION PAGES 457-483 HIGHER MENTAL FUNCTIONS AND SPINAL CORD
LAB, EXERCISE 21 SPINAL CORD, SPINAL NERVES AND THE AUTONOMAL NERVOUS SYSTEM PAGES 226-237
REVIEW SHEET EXERCISE 21 SPINAL CORD, SPINAL NERVES, AND THE AUTONOMIC NERVOUS SYSTEM PAGES 609-612 UP TO QUESTION 16
- APR.23: CHAPTER 13 THE PERIPHERAL NERVOUS SYSTEM AND REFLEX ACTIVITY PAGES 490-507
LAB EXERCISE 22 HUMAN REFLEX PHYSIOLOGY
REVIEW SHEET EXERCISE 22
- APR.29: CHAPTER 13 THE PERIPHERAL NERVOUS SYSTEM CONT. PAGES 508-526
LAB EXERCISE 21 CONTINUATION
REVIEW SHEET EXERCISE 21 CONTINUATION
- APR.30: LAB. DISSECTION EXERCISE 2 OF THE SPINAL CORD AND NERVES OF THE FETAL PIG, PAGE 766
END OF PRESENTATIONS
- MAY 6: CHAPTER 14 THE AUTONOMIC NERVOUS SYSTEM PAGES 532-550
LAB EXERCISE 21 PAGES 237-240
REVIEW SHEET 21 PAGE 612
- MAY 7: CHAPTER 15 THE SPECIAL SENSES PAGES 555-576
LAB EXERCISE 24 ANATOMY OF THE COWS EYE AND HUMAN MODELS
LAB REVIEW SHEET 24
- MAY 13: CHAPTER 15 THE SPECIAL SENSES PAGES 577-598
LAB EXERCISE 25 AND HUMAN EARS MODELS

REVIEW SHEET EXERCISE 25 AND REVIEW SHEET EXERCISE 26

MAY 14: CHAPTER 16 THE ENDOCRINE SYSTEM PAGES 604-622

LAB EXERCISE 27 PAGES 294-298

MAY 20: CHAPTER 16 THE ENDOCRINE SYSTEM PAGES 623-640

LAB EXERCISE 27 PAGES 298-306

REVIEW SHEET EXERCISE 27

MAY 21: FINAL EXAM REVIEW

MAY 27: FINAL EXAM

MAY 28: FINAL EXAM AND GRADUATIONS