TEXT : Human Anatomy and Physiology by Marieb

NOTE : Because this text covers both Anatomy and Physiology, you will not need to learn the entire text during this course.
Below is a list of pages that you may omit for this Human Anatomy Course.
This material will be covered in Physiology

Lab manual - This text will be used as a guide to dissections and the use of models and diagrams in learning the Anatomical terms. You may omit Physiology discussions and laboratory exercises, unless I present them in class.

note : Developmental aspects of each chapter will be covered during the last week’s lecture on Development and Embryology.

Ch 1
no ommisions

Ch 2  Chemistry
omit this chapter

Ch 3  Cells
omit: membrane transport p 70 - 81
     membrane potential p 81 - 84
     cell cycle p 98-101
     protein synthesis p 101-110

Ch 4  Tissues
no ommisions

Ch 5  Integumentary system
omit: development p 170-71

Ch 6  Skeletal Tissues
omit: development p 198

Ch 7  Skeleton
no ommisions

Ch 8  Joints
no ommisions

Ch 9  Muscle Tissue
omit: physiology of contraction p 288-313
(parts will be covered in lecture; refer to the text for more detail)

Ch 10  Muscles
omit: “nerve supply” to each muscle
Know the muscles, actions, origin and insertions from the lectures and lecture notes.
Ch 11 Nervous tissue
omit: p 397 - 420
the basics of neurophysiology will be covered in lecture

Ch 12 Central Nervous System
no omissions

Ch 13 Peripheral Nervous System
omit: Somatosensory system p 494 - 498
      motor integration p 519 – 521

Ch 14 Autonomic Nervous System
no omissions

Ch 15 Special Senses
omit: physiology of vision p 565 - 575  (some of this will be discussed in class)
      physiology of hearing p 587 - 591

Ch 16 Endocrine system
omit: hormones p 606 - 612

Ch 17 Blood
omit: hemoglobin function p 650
      hemostasis p 663 - 668  (some of this will be discussed in class)

Ch 18 Heart
omit: mechanism of contraction p 690 - 692
      cardiac output p 700 - 705

Ch 19 Blood Vessels
omit: physiology of circulation p 723 - 742  (some of this will be discussed in class)

Ch 20 Lymphatic system
no omissions

Ch 21 Immune System
Use the text for further discussion of information listed in my lecture notes.

Ch 22 Respiratory system
omit: physiology p 846 – 863
include: pulmonary ventilation p 847 – 849

Ch 23 Digestive system
omit: physiology p 902 – 908 ; 927 – 933

Ch 24 Nutrition, Metabolism
omit this chapter
Ch 25 Urinary system
omit: physiology of urine formation p 1007 – 1021 understand basic physiology
(this will be covered in lecture, in less detail than the text)

Ch 26 Fluids, Acid-Base
omit this chapter

Ch 27 Reproductive system
no omissions

Ch 28 Pregnancy and Development
no omissions

Ch 29 Heredity
omit this chapter