Objectives – Circulatory system
Chapter 11

Reading this chapter should help the student to:

1. Describe the two circuits that comprise the cardiovascular circulatory system and the elements that form it
2. Name the three tunics that make up the walls of all the circulatory system components, and know the tissue type in each tunic
3. Compare circulatory system components in terms of size and structure
4. Relate the wall structure of each circulatory system component to its major function
5. Compare and contrast the morphology of veins and arteries
6. Explain the function of the vasa vasorum
7. Describe the general structure of capillaries
8. Compare and contrast the three types of capillaries as to morphology, function, and typical location
9. Describe how the microcirculation is regulated
10. Describe the structure of the wall of the heart
11. Discuss the distinguishing features of lymph vessels
12. Recognize the types of vessels present in a micrograph and identify their structural components

Objectives – Blood and Hemopoiesis
Chapters 12 and 13

Reading these chapters should help the student to:

1. Know the name, structure, and function of each of the formed elements of blood
2. Identify the formed elements in a micrograph of a blood smear
3. Describe the structure of the bone marrow
4. List the various sites of blood cell formation at different stages of development
5. Trace the development, in general terms, of blood cells from a pluripotent stem cell