**Principles of Human Anatomy by Gerard Tortora, 15th edition**

What to know, or in other words, here is the answer to your question, “What is going to be on the exam?”. You can skip (you will never be tested on) all the Clinical Connections, unless I lecture directly about it. You can skip all the “Development of the….” topics. You can skip all the “Aging and the…” topics.

Ch. 1: Text on pgs. 1-5; fig. 1.1; (Skip Table 1.2); text on pages 9-19; figs. 1.3, 1.4, 1.6, 1.7; exhibit 1.A; and of course all of the end-of-chapter material.

Ch. 2: everything except you can omit meiosis. Meiosis will be covered during human reproduction at the end of the class.

Ch. 3: everything except you may omit the embryonic connective tissue (mesenchyme and mucous connective tissue) and you may omit areolar connective tissue and you can skip compact bone and blood: both to be covered later. You may omit muscular tissue (we will cover it later). You may omit nervous tissue (we will cover it later).

Ch. 4: know fig. 4.3; know fig. 4.4 (b); know fig. 4.5; know my simplified list of structures produced by the three primary germ layers-a shortened version of table 4.1.

Ch. 5: know everything.

Ch. 6: know everything.

Ch. 7: know everything.

Ch. 8: know everything.

Ch. 9: From my lecture notes, match everything in this chapter that matches what I put on the board; know the names of every possible movement at all the joints in the body.

Ch. 10: know everything, except you can skip the following: Excitation-Contraction Coupling; Muscle Tone; Isotonic and Isometric Contractions; Slow Oxidative Fibers; Fast Oxidative-Glycolytic Fibers; Fast Glycolytic Fibers; Exercise and Skeletal Muscle Tissue.

Ch. 11: You may omit lever systems; know ‘effects of fascicle arrangement’ on pg. 340; see the class web site chart of all the muscles/origins/insertions that we will be responsible for. You can skip each muscle’s innervation.

Ch. 14: Go to the Laboratory Manual Page and click on the ‘Vessels To Know’ link. These links will list all the required vessels.

Ch. 27: I will provide a handout in class.