BIOL 221 – Concepts of Botany; Dr. Hardy

**Topic 02 – The Primary Plant Body**
Reading: Hoefnagles Chap. 22 and section 24.2E., Also Rushforth et al. p. 163

I. From Seed to Seedling
   A. General Seed Morphology
   B. General Seed Anatomy
   C. Advanced Seed Anatomy
   D. Dormancy & Germination
   E. Seedling Morphology & Development

II. Shoot & Root Morphology
   A. Basic Shoot Morphology
   B. Basic Root Morphology
   C. Advanced Shoot Morphology
   D. Root System Types

III. Shoot & Root Anatomy
   A. Organization of Tissues - Overview
   B. Cells & Tissues of the Tissue Systems
   C. Cross-sectional Anatomy
   D. Origin of Tissue Systems in Shoot & Root Apices