

**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