

# **Plant Geography**

**(GEOG/PBIO 4/6240)**

## **Autumn Semester 2011**

(MWF 9:05-9:55am, Geog-Geol Bldg, room 300A)

**Instructor:** Dr. Elgene O. Box, Geog-Geol Bldg 314 (phone: 542-2369; boxeo@uga.edu)

**Textbooks:** Archibold 1995. *Ecology of World Vegetation* (also on library reserve)  
Brockman & Merrilees 1986. *Trees of North America* (optional)

### **Course Outline**

- I. Environmental Factors: climate, soil, nutrients, disturbance; global zonation  
Historical Aspects: earth's physical and biological history; development of regional floras  
Plant processes, characters and types; vegetation structure, biomes, potential natural vegetation

**QUIZ** (August 31: Wednesday of 3rd week)

- II. Tropical and Subtropical Biomes
  - 1. Tropical Forests: rainforests, wet/dry forests, tropical mountains
  - 2. Tropical Savannas and Wet-Dry Woodlands
  - 3. Deserts and Semi-Deserts
  - 4. Mediterranean Woodlands and Shrublands

**QUIZ** (October 7: end of 8th week)

- III. Temperate and High-Latitude Biomes
  - 5. Grasslands (temperate)
  - 6. Temperate Forests: summergreen (more on N American), evergreen, temperate rainforests
  - 7. Coniferous Forests: boreal forest, continental montane forests, Pacific rainforest
  - 8. Tundra and Alpine Vegetation

**QUIZ** (end of 14th week -- or arranged later)

- IV. Biosphere Response to Global Change (as time permits)

**QUIZ** on Plant Families and Species Ecology (anytime, by mutual agreement)

**FINAL EXAM** (December 9th)