

Dr. George S. Ellmore, Tufts University
Office: Barnum 205, Mon. 2-4, Tues 2-4
or by appointment

Spring 2005

Bio 10: PLANTS AND HUMANITY

- Jan 21 Introduction; plants and green economics
25 The plant body; an essential theme
26 Buds and leaves
28 Hierarchy of classification; leaves
- Feb 1 Leaves
2 Carnivorous bog species
4 Epiphytes; out on a limb
8 Root organization
9 Mangroves
11 Stem variations
15 Wood; tissue for the ages
****Feb 16** EXAM I (100 points)**
- 18 Cell organization; the wall
22 Cell protoplasm
23 Products of the cell
25 DNA; GATTACA
- March 1 Genetic engineering and biotechnology
2 Soil structure, acid rain, marketable permits
4 Mineral nutrition N-P-K
8 Transpirational fate of rainwater
9 Hormones and flowering
11 Fruit development and ripening
15 Environmental repair strategies
****March 16** EXAM II (100 points)**
- 29 Evolutionary relationships; bacteria
30 Bacteria and viruses
- April 1 Green algae
5 Seaweeds
6 Seaweeds; it's a wrap
8 Molds
12 Yeasts; pigs in heaven
13 Mushrooms
15 Lichens
19 Mosses
20 Ferns; with fronds like these...
22 Conifers
26 International forestry: traditional vs. sustainable
27 Medicinal plants and the FDA
29 Flowering plants

FINAL EXAM (C Block) : Tuesday May 10 at Noon (150 points)