

CITY UNIVERSITY OF NEW YORK GRADUATE SCHOOL
Ph.D. PROGRAM IN BIOLOGY – PLANT SCIENCES FIRST EXAMINATION
READING LIST 2003

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- Huston, M.A.** 1994. *Biological Diversity*, Cambridge.
- Judd, W.S., C. S. Campbell, E.A. Kellogg, P.F. Stevens & M. Donoghue.** 2002. *Plant systematics: A phylogenetic approach*. Second Edition. Sinauer Associates, Inc., Sunderland, MA.
- Lodish, Berk, Zipursky, Matsudaira, Baltimore, Darnell.** 2000. *Molecular Cell Biology*, 4th ed. W.H. Freeman, NY. Chapters 1,2,3,4,7,10,11,17.
- Molles, M.C., Jr.** 2002. *Ecology: Concepts and Applications*. McGraw-Hill, NY.
- Raven, P.H. et al.** 1999. *Biology of Plants*, 6th ed. Worth Publishers, NY.
- Simpson, B.B. & M. Conner-Ogorzaly.** 2001 *Economic Botany*, 3rd ed. McGraw-Hill, NY.
- Sokal, R.R. & F.J. Rohlf.** 1995. *Biometry*, 3rd ed. WH Freeman, NY.
- Stewart, W.N. & G.W. Rothwell.** 1993. *Paleobotany and the evolution of plants*, 2nd ed. Cambridge. Chapters 3, 7-10.
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NOTES: *Session IV instructions have been revised as follows:*

Present a subject, problem, hypothesis, theory, or controversy you consider important to plant sciences. The essay should show relevance across the botanical subdisciplines. The essay should be both a review and a synthesis and demonstrate the level of scholarship, criticism, and independent thinking we require at the doctoral level. Your topic may be a large or a small one; broad or highly specialized; and you must communicate how the chosen topic is relevant to a major concept. We wish to measure the ability to understand and to synthesize information and ideas from more than one discipline of biology. Be sure to include something about the researchers and the literature. The essay must be significantly different from your responses to the questions of Session III. Finally, an essay based largely on the published work or grant proposals of faculty staff members or scientists at other institutions is not acceptable.