

# Introductory Botany Spring 2007

## Lecture Schedule-At-A-Glance, with Assigned Readings

**Instructor: Dr. Terry O'Brien (201H Science Building; obrien@rowan.edu)**

### Class Meetings - 252 Science Building

**Tuesdays and Fridays 8:00 – 9:15 a.m. (252 Science Building)**  
**Laboratories: Thursdays 8:00 – 10:40 a.m. (252 Science Building)**

**Unless otherwise stated, all readings are from:**

**Graham, L., L. Wilcox and J. Graham. 2005. Plant Biology (2nd Edition). Prentice Hall Publishers.**

### **Other References Cited:**

**Council for Biotechnology Information: [www.whybiotech.com](http://www.whybiotech.com)**

**Food and Nutrition Information Center: [www.nal.usda.gov/fnic](http://www.nal.usda.gov/fnic)**

**Guide to Dietary Supplements: [www.extension.iastate.edu/nutrition/supplements](http://www.extension.iastate.edu/nutrition/supplements)**

**Margen, S. (editor). 2002. Wellness Foods A to Z. Rebus, Inc., New York.**

**Phytoremediation: [www.mobot.org/jwcross/phytoremediation](http://www.mobot.org/jwcross/phytoremediation)**

**Williams, S. R. and E. D. Schlenker. 1999. Essentials of Nutrition and Diet Therapy. 8th edition. Mosby, Inc., St. Louis.**

**Handouts are available via the course website, or provided in class.**

	<u>Topic</u>	<u>Reading</u>
Jan. 16	Introduction to the Course Why Botany --- So What? What Is --- And What Isn't --- A Plant?	Syllabus Chapter 1, pp. 1-8, 10 -15
Jan. 18 (Lab)	The Nature of Science Why Do We Use Spices?	Chapter 1, pp. 8-10 Handout
Jan. 19	Plants and People	Chapter 1, pp. 15 – 16 Chapter 2
Jan. 23	Plant Chemistry I: Primary Chemistry Plants and Human Nutrition	Chapter 3, pp. 33, 38-49 (Review pp. 34-37 if needed) Handout: Williams and Schlenker
Jan. 25 (Lab)	Why We Use Spices (concluded) Introduction to Microscopy and Cell Structure	Handout Chapter 4, pp. 60-63
Jan. 26	Plant Chemistry II: Secondary Chemistry Nutritional Supplements	Chapter 3, pp. 52-56 Handout: Margen

[www.extension.iastate.edu/nutrition/supplements](http://www.extension.iastate.edu/nutrition/supplements)

Jan. 30	The Plant Cell: a Living System Water in Plants	Chapter 4, pp. 63-68, 73-78 (Scan pp. 69-72)
Feb. 1 (Lab)	Introduction to the Plant Body Quiz 1	Handout
Feb. 2	Photosynthesis Nature of pigments and light	Chapter 5, pp. 81-96
Feb. 6	Photosynthesis and photorespiration	Chapter 5, pp. 81-96
Feb. 8 (Lab)	Hydroponics, or T.B.A. Questions and Answers (Exam 1)	
<b>Feb. 9</b>	<b>EXAM I (covers Jan. 16 - Feb. 8)</b>	

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Other dates to know about:

April 21 (Saturday) Fieldtrip to Longwood Gardens, 8 a.m. - 4 p.m.  
(If rescheduled, the trip will be Saturday April 28)

**May 1 (Tuesday) FINAL EXAM: 8:00 a.m. – 10:00 a.m.**  
**Location: 252 Science Building**  
**Covers March 30 – April 27 and major concepts from the course**