

Course Outline - Spring 2007

PLANT METABOLISM HOS 6516

Instructor: Charles Guy Phone: 392-1831x222 Email: clguy@ufl.edu Office: 1509 Fifield Hall

Source Text: **Biochemistry & Molecular Biology of Plants**
Edited by B.B. Buchanan, W. Gruissem and R.L. Jones, ASPP, Rockville, 2000
ISBN 0-943088-37-2

Supplemental Text: **Plant Biochemistry**
edited by P.M. Dey and J.B. Harborne, Academic Press, London, 1997

Plant Biochemistry and Molecular Biology 2nd Edition
Peter J. Lea and Richard C. Leegood, Wiley, London, 1999

Plant Metabolism 2nd Edition
D.T. Dennis, D.H. Turpin, D.D. Lefebvre and D.B. Layzell, Addison Wesley Longman,
London, 1997

Plant Biochemistry & Molecular Biology
Hans-Walter Heldt, Oxford University Press, Oxford, 1997

Other: Selected readings from current journal articles and contemporary reviews

COURSE PHILOSOPHY

BOT 6516 is offered each spring semester. In even-numbered years, Dr. Alice Harmon teaches the course. In odd-numbered years, Dr. Charles Guy teaches the course.

It is **not** the intent of this course to serve as a substitute for acceptable graduate training in classical biochemistry. The differences between animals and plants, in biochemical terms, are far, far less than the similarities. For the plant science student, much can be gained from both graduate and undergraduate course offerings available on this campus in biochemistry. Anyone with interest or professional goals that relate to biochemistry, or specifically plant biochemistry, should not consider this course anything other than a small sampling of a limited number of biochemical topics.

This is an advanced course, and students should already be able to apply the basic principles of biochemistry in the examination of the metabolic and physiological functions of plants. Plant Metabolism is designed to focus on themes of current interest in plant metabolism and biochemistry. Since this is exclusively a graduate level course, a dialogue between the instructor and class members is not only desirable, **but required**. There will not be formal lectures, but instead we will have discussion sessions. I will lead all the discussions. The material to be discussed will be assigned in advance and will come from either the required text or from supplemental materials. My role will be to provide general background information, when necessary, to make the reading material more understandable and useful.

COURSE REQUIREMENTS

There will be four exams, each worth 100 points. There will be no final exam. Class participation will constitute 1/5 (100 points) of the grade for the class given in four increments corresponding approximately with each exam. The grading scale will be as follows:

Percent of total points	Grade
≥90	A
85-89	B+
80-84	B
75-79	C+
70-74	C
≤69	D

The grading scale will not be adjusted or curved.

Please visit the course webpage for more information about BOT 6516

<http://hort.ifas.ufl.edu/teach/guyweb/bot6516/index.html>

REMINDER: YOU HAVE SIGNED THE FOLLOWING STATEMENT

"I understand that the University of Florida expects its students to be honest in all their academic work. I agree to adhere to this commitment to academic honesty and understand that my failure to comply with this commitment may result in disciplinary action up to and including expulsion from the University."

If during the course of the semester you experience a personal crisis help is available through the UF Counseling Center P301 Peabody Hall, telephone number 392-1575.

Classroom Civility: Every society has rules of behavior and penalties for breaking the rules. BCH 5045 is a small society and obeying the rules is called civility. Everyone is expected to work together to make your experience in BCH 5045 as perfect as possible.

1. It is rude to talk when someone else is speaking. Other instructors may allow chatter unrelated to biochemistry during lectures, but I will not. If you must carry on a discussion with another member of the class, be respectful to others and leave the classroom.
2. If it goes beep, ring or makes distracting noises, turn it off before you come to class. In all but the most unusual circumstances, your extra-class communications can wait until class is over.

Everyone is expected to act in a civil and disciplined manner. Anyone violating the above policies will be immediately excused from class. Thanks.