

University of Maryland
Institute of Applied Agriculture
INAG 100: Introduction to Plant Science

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Office Hours: 7 am to 4 pm if not in class

Course Description

3 credits (2 hours of lecture and 2 hours of laboratory per week) A general introduction to plant science. Emphasis is on plant structure, function, growth and development. The course will also cover basic horticultural principles as they relate to plant science.

Meeting Time and Place

Lecture: M W 9:00am – 9:50am Jull 1123
Labs: F 9:00am -10:50am Jull 1111

Textbook

Introduction to Plant Biology, Stern et.al., 11th edition (older editions still useful), ISBN 978-0-07-283067-5, McGraw Hill. Available at Maryland Book Exchange and online. This is a classic botany textbook. Used copies and older editions should be available.

IAA and University Policies

The academic policy for the Institute of Applied Agriculture can be found on pages 14-15 of the student handbook. Please take time to review this policy to clarify what actions constitute cheating, fabrication, plagiarism, and facilitating academic dishonesty.

Please abide by the IAA's Policy on Academic Integrity and the nationally recognized University of Maryland Honor Pledge which reads as follows:

“I pledge on my honor that I have not given or received any unauthorized assistance on this assignment/examination.”

The IAA follows the University of Maryland academic calendar and this calendar can be reached at www.testudo.umd.edu. Please note important dates regarding the time period to drop, add, or withdraw from class.

Cell phones should be silenced when in class or lab and off the table during exams.

If you have a documented disability and wish to discuss academic accommodations please contact me as soon as possible.

Grading

	<u>% of Grade</u>
2 Hour Exams.....	40
2 Lab Practical's*.....	40
Final Exam	20
Lab Attendance, Projects, Quizzes.....	Extra Credit

*Labs and Lab Practical's require plant samples and materials that take time to acquire and organize. There are no make-up Labs and Lab Practical's.

Course Evaluations (CourseEvalUM Fall 2009)

Your participation in the evaluation of courses through CourseEvalUM is a responsibility you hold as a student member of our academic community. Your feedback is confidential and important to the improvement of teaching and learning at the University as well as to the tenure and promotion process. CourseEvalUM will be open for you to complete your evaluation for fall semester courses between Tuesday, December 1 and Sunday, December 13. Please go directly to the website (www.courseevalum.umd.edu) to complete your evaluations starting December 1. By completing all of your evaluations each semester, you will have the privilege of accessing online, at Testudo, the evaluation reports for the thousands of courses for which 70% or more students submitted their evaluations.

Course Schedule (subject to change)

Week of:	Lecture	Lab	Reading
Aug 30	Plants, History, Agriculture	Herbarium Visit	Chapter 1 "Easters End"
Sept. 6	Cells,Organelles,Mitsosis,Tissues	Cells, Microscopy	Chapter 3
Sept.13	Root Anatomy & Morphology	Roots	Chapters 4,5
Sept. 20	Stem Anatomy & Morphology	Stems	Chapter 6
Sept. 27	Leaf Anatomy & Morphology	Leaves	Chapter 7
Oct. 4	Review, EXAM # 1	LAB PRACTICAL	
Oct. 11	Conduction, Transpiration	Campus Irrigation and Rain Gardens	Chapter 9

Oct. 18	Photosynthesis, Respiration	Carbon Footprint	Chapter 10 "Why Bother"
Oct. 25	Flowers, Pollination, Meiosis	Flowers, Pollinators	Chapter 12
Nov. 1	Fruits, Nuts, Seeds	Fruits, Nuts, Seeds	Chapter 8 "What's Eating America"
Nov. 8	Growth, Nutrients, Hormones, Genetics, Propagation	Propagation	Chapter 14 "Mother Nature's School of Design"
Nov. 15	Review, EXAM #2	LAB PRACTICAL	
Nov. 22	Nomenclature, Communities	Native Plants, Visit with Chesapeake Natives	Chapter 15
Nov. 29	Weed Science	Weed Control	
Dec. 6	Horticultural Topics	Pruning, Mulching, Organic and Sustainable Gardening Techniques	

FINAL EXAM (date determined by UMCP and announced later this semester)