

Spring 2014
BOTANY 101 – GENERAL BOTANY

M, W, F 9:30-10:20 a.m. Bus Ad, A-102
 Labs start Tuesday Jan 14th. St. John 157

Recommended concurrent registration in Bot 101L

Dr. S. Keeley
 St. John 508, 956-8043
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Text: *Berg, Introductory Botany*
 Lab: *Keeley, Bot 101 Lab Manual*
 Schedule Appointments: *Email*

Proposed Schedule

Week	Dates	Topic	Reading—Review/Thought Questions
<u>HAND IN QUESTIONS - IN CLASS. HARD COPY ONLY- MUST BE TYPED</u>			
1	Jan 13	Introduction-Plants & You	Ch. 1. p. 2-7— Review Q's 2, 3 (RQs)
	15	Plant Design-Solving for the Autotropic Life Style	p. 8-13 —Thought Q 1 (TQs)
	17	Cell Structure & Organization	Ch. 3— RQ's 3, 4, 7 and TQ 5
2	20	<i>No Class-ML King Holiday</i>	1 st set questions (RQs/TQs) due Wed
	22	Cell types	Ch. 5— RQ's 4, 6, 9
	24	Primary Growth-meristems & mitosis	Ch. 12 p. 242-246—RQs 2,5,6
3	27	Primary root-cells and tissues	2 nd set of RQs due
	29	Primary root continued	Ch. 6— RQ's 3, 5, 7,9
	31	Primary Stem	Ch. 7— RQ's 1, 4, 5
4	Feb 3	Secondary Growth	3 rd set RQs due
	5	Botany in Action or Secondary Growth	Ch. 7— RQ's 3, 6, 7
	7	Leaves	Ch. 5 p. 105-107— RQs 2, 7, 8
5	10	Transpiration, water movement	4 th set RQs due
	12	Transpiration-Translocation	Ch. 8— RQ's 3, 5, 8
	14	Mineral Nutrition-overview	Ch. 10. p. 211-217—RQ's 7, 9
6	17	<i>No Class-President's Day Holiday</i>	5 th set RQs due Wed
	19	* <u>FIRST EXAM (COVERS WEEKS 1-5)</u>	Ch. 10, p. 198-210— RQ's 4, 5
	21	Photosynthesis (Test Review?)	Ch. 4, p. 64-80 — RQ's 1, 2, 3
7	24	Photosynthesis	6 th set of RQs due
	26	Respiration	Ch. 4, p. 80-88— RQ's 8, 10, 11
	28	Respiration/Botany in Action	Ch. 11 p. 220-232—RQ's 1, 2, 5
8	Mar 3	Metabolism/Botany in Action or Envir.Respon.	7 th set RQs due
	5	Hormone Integrators	Ch. 11 p. 232-238— RQ's 7, 10
	7	Classification- what we recognize	Ch. 1 p. 13-16—RQs 6 Ch. 18 p.— RQs 7, 10, 11
9	10	Eukaryote life cycles-sexual reprod	8 th set RQs due
	12	Prokaryotes to Eukaryotes-meiosis	Ch. 12 p. 246-253—RQ's 3, 7, 9, 11
	14	Divisions of Plants and Plant like organisms	Ch. 1 Reread p. 13-16
10	17	<u>SECOND EXAM (COVERS WEEKS 6-9*)</u>	9 th set RQs due
	19	Bacteria & Viruses-Kingdom/Domains	Ch.19— RQ's 1, 8, 11
	21	Kingdom Fungi (Test Review?)	Ch. 21— RQ's 1, 5, 6
***** SPRING BREAK MARCH 24-28 *****			
11	April 31	Fungi, Lichens/ Symbiosis	10 th set RQs due
	2	Algae	Ch. 20— RQ's 1, 8, 10
	4	Algae /Botany in Action	

12	7	Transitions to land/Bryophytes	11 th set RQs due
	9	Terrestrialization/LVP	Ch. 22— RQ's 1, 3, 4, 5
	11	Ferns, Lower Vascular Plants	Ch. 23— RQ's 2, 10, 12
13	14	LVPs/Gymnosperms	12 th set RQs due
	16	Gymnosperms	Review Ch. 23— TQ 3
	18	Angiosperms or Botany in Action	Ch. 24— RQ's 1, 2, 3, 4, 6, 13
14	21	Angiosperms/Botany in Action	13 th set RQs due
	23	Angiosperms	Ch. 25, p. 484-494—RQ's 1, 2, 4, 11
	25	Angiosperms	TQ 4
15	28	Angiosperms	14 th set RQs due
	30	Angiosperms Plant Design	Ch. 9— RQ's 2, 4
May	2	Angiosperms/Botany in Action	Ch. 9— RQ's 5, 7, 8, 9, 10, 12
16	5	Evolution-plant design	15 th set RQs due
	7	Summary and overview of Hawaii's plants	

FINAL EXAM Monday May 12, Bus Ad A102 9:45-11:45 a.m.
(Cumulative)

KOKUA.

Your full attention is needed for 50 minutes. You have paid > \$1000 for this class!!

**No earbuds, iPods/MP3, talking, texting, Facebook, email etc.,
or anything that interferes with your or other's opportunities to learn.**

GRADES:

- **Midterms (2)**—INCLUDES Material from LECTURE & the REVIEW QUESTIONS FOR EACH CHAPTER and anything special I may add 150 pts each, (total 2 x 150 = 300 pts)
- **Final exam (cumulative)** 300 pts
- **Review questions** 150 pts-**Must be HANDED IN, HARD COPY ONLY on MONDAYS**
- Curve typically applied AFTER all points are in, not for individual tests
- NO EXTRA CREDIT
- Depend on you efforts!

ASK FOR HELP from me or one of the T.A.'s. **Do this BEFORE IT IS TOO LATE !**

MAKEUPS:

- Only with a **legitimate excuse** such as a note from your doctor or other documentation.
- Please see me **IN ADVANCE** if you know you will have a conflict

DROP-ADDS and WITHDRAWALS

- ARE YOUR RESPONSIBILITY; KNOW THE DEADLINES, DO THE PAPER WORK, GET THE SIGNATURES NEEDED.

Bot 101 LAB is strongly recommended as it provides hands on experience with the plants and and structures we discuss in lecture. — **Labs Start 1st Week--Tues Jan 14, Wed Jan 9, Thurs Jan 10** — **St. John 157**

Learn What Plants Know!