

**TENTATIVE "LABORATORY" OUTLINE**  
**WEED SCIENCE (TPSS/PEPS - 481) – FALL 2011**  
 URL for Weed Science Lab: <http://www.ctahr.hawaii.edu/deFrankJ/>

LAB #	DATE	TOPICS COVERED
1	8/24	Introduction to lab, Handouts and review of required work, tour Magoon Facility
2	8/31	Weed I.D. Grasses, discussion and selection of lab projects, start Project #01
3	9/07	Weed I.D. Broadleaf and sedge weeds, lab project assigned and start transplants for lab projects
4	9/14	Weed I.D. Quiz and How to present methods and results of Weed Science Lab field experiments
5	9/21	No-tillage farming
6	09/28	Allelopathy in Agroecosystems Visual ratings of herbicide injury for evaluation of test plots.
7	10/05	Living sods for weed control in tropical cropping systems
8	10/12	Spray equipment: nozzles, pumps and specialized applications systems
9	10/19	Sprayer calibration lecture, demo of small sprayers, collect data for calibration homework
10	10/26	Check calibration homework ( <i>credit earned</i> ), review homework, calibration quiz
11	11/02	Review of calibration quiz.
12	11/09	Herbicide injury and diagnosis
13	11/16	Pesticide labels and safety and controlling spray drift.
14	11/23	Review and finalize data for oral presentation.
15	11/30	<b>WEED COLLECTIONS DUE.</b> Rehearse oral presentations.
16	12/07	Oral presentations of field experiments. Written reports due.
17	12/12	Lab final covers all lab materials except weed I.D. time: 2:15 to 4:15, other dates possible 12/14/11 at 4:30 p.m. and 12/16/11 at 2:15 p.m. Class will vote for date!

**GRADING SYSTEM FOR HORT 481 LABORATORY:**

DESCRIPTION	POINTS AVAILABLE	% OF FINAL GRADE
Weed I.D. quiz	30	15
Calibration homework	10	05
Calibration quiz	40	20
Written reports		
1. Herbicide performance	20	10
2. Selected group reports		
a) Oral seminar, group grade	10	05
b) Written report, group grade	10	05
Weed collections	30	15
Lab. final	50	25
Totals	200	100

**RELATIONSHIP OF POINTS EARNED TO FINAL LABORATORY GRADE**

RANGE SUBJECT TO CHANGE	
POINTS	LAB GRADE
200 - 181	4.0
180 - 161	3.0
160 - 141	2.0
140 - 121	1.0
< 120	< 1.0

The laboratory projects will be performed outside at the Magoon Greenhouse facility on the Mauka campus. All students will be required to make a weed collection and write-up the results of Project I (Herbicide Performance). The remaining projects will be the responsibility of assigned groups. Group size will be based on class size. Each group member will receive the same grade. Each group will be required to provide a written report and present a live 13 minute (**max**) PowerPoint presentation of the results. A digital camera will be available to record results for use in the PowerPoint presentations.