

INTRODUCTORY PLANT SCIENCE
AGRO 1110G/ HORT 1115G
Laboratory Syllabus
Spring 2022

Instructor:

Kulbhushan K. Grover
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 Plant and Environmental Sciences Department
 Office: N-358 Skeen Hall
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 Office hours: By appointment

Lab Meeting Times and Place:

Lab section	Time	Place	Lab Instructor
Monday	1:30-4:00 pm	W138 Skeen Hall	Harmanpreet Kaur
Tuesday	10:30 am-1:00 pm	W139* Skeen Hall	Sangita Subedi/Harmanpreet Kaur
Tuesday	1:30-4:00 pm	W138 Skeen Hall	Govinda Sapkota
Thursday	1:30-4:00 pm	W138 Skeen Hall	Sangita Subedi

Lab instructor contact information and office hours:

	Office	Email	Office Hours
Govinda Sapkota	W-329 Gerald Thomas Hall (GTH)	govinda@nmsu.edu	Monday 10-11 AM
Harmanpreet Kaur	N-333 Skeen Hall	harman12@nmsu.edu	Monday 11 AM-1 PM
Sangita Subedi	N-333 Skeen Hall	subedis@nmsu.edu	Thursday 10:30 AM- 12:00 PM

Course Web Site:

The course web site can be found at <https://learn.nmsu.edu>. This CANVAS site will contain your grades, laboratory hand-outs, and other supplemental materials as the semester progresses. **PLEASE PRINT AND READ LAB**

HAND-OUTS BEFORE EACH LAB. They will be posted on CANVAS by Monday of each week.

Labs:

Laboratory attendance is mandatory for all students. With permission, a student may attend another laboratory session, if that section is not full. However, it is the student's responsibility to notify the instructors. A student who misses three laboratories without a valid excuse will receive a grade of "0" for the laboratory and be dropped two (2) letter grades. The valid excuse includes a genuine reason beyond the control of student such as a medical condition, a family emergency or participation and university representation in an NMSU sports event or conference. Students must provide a written evidence from an appropriate person. Students that miss four (4) laboratories will receive an "F" for that portion of the course. Attendance is important!

For each lab, the students will complete an activity sheet and submit the answers to their TA before the next week's lab. Each lab is worth 20 points. There will be a penalty of 2 points for each day that the lab is late. The students will be provided with a print copy of the lab activity sheet in the first lab activity. For later weeks' labs, an electronic copy of the lab activity sheet will be uploaded on CANVAS course website at least two days prior to the lab day. Students will need to print and bring the printed copy of the sheet to the lab to complete the lab activity. Those students who forget to bring the printed lab sheets (except for the first lab) will need to submit the answers in the lab sheets by the end of the day.

For the final grading, one lab with the lowest score will be dropped for each student (13 lab scores will be counted for grades out of total 14 labs). Students will be expected to check on the experiments even as required for a specific activity. Students should arrive in the lab on time. Students who show up 10 minutes or more late in the lab, will receive zero for that lab activity. Lab instructors will provide more specific guidelines for the lab activities. Please talk to your TA for more details and concerns.

Tentative AGRO 1110G/HORT 1115G Lab Schedule:

Weeks and Dates	Labs
Week 1 (January 17, 18, 20)	NO labs
Week 2 (January 24, 25, 27)	Orientation & walking tour
Week 3 (January 31; February 1, 3)	Plagiarism activity and library tour
Week 4 (February 7, 8, 10)	*Know Your Plant Project Preparation
Week 5 (February 14, 15, 17)	*Planting at Student Research and Education Gardens /Greenhouse hydroponics
Week 6 (February 21, 22, 24)	Basic plant structure
Week 7 (February 28; March 1, 3)	Flower structure
Week 8 (March 7, 8 10)	Spring break - NO labs
Week 9 (March 14, 15, 17)	Measuring plant growth, processes and post-harvest physiology
Week 10 (March 21, 22, 24)	Sexual propagation and seed dormancy
Week 11 (March 28, 29, 31)	Asexual propagation- grafting
Week 12 (April 4, 5, 7)	Mesilla Valley agriculture tour
Week 13 (April 11, 12, 14)	Media, soils and drainage
Week 14 (April 18, 19, 21)	*Transpiration/Phytochemistry
Week 15 (April 25, 26, 28)	Organic farm tour
Week 16 (May 2, 3, 5)	Wrap-up and clean up

Disclaimer:

The information in this schedule is subject to change at the instructor's discretion. You will be notified of these changes if/when they become necessary.