

Hort 202: Horticulture Science and Practices Lab

Hazardous Materials Statement

Do not perform any procedure until all risks are understood and all actions can be performed in a safe, informed manner. When in doubt, ask for help

- Hazards in the Hort 202 laboratory include:
 - Chemicals
 - fertilizer solutions (Lab 10)
 - plant growth regulators (Lab 6)
 - rooting compounds (Lab 8)
 - cleaning solutions (Lab 9)
 - concentrated sulfuric acid (Lab 9)
 - Chemicals will be handled with gloves, and with protective clothing when appropriate. Students will be strictly monitored. Any improper exposure to these chemicals should be reported to the instructor immediately.
 - Air-borne Irritants (Labs 4-10)
 - perlite
 - vermiculite
 - Particulate masks will be issued to students when appropriate. Students with respiratory problems may be exempt from primary contact with these components with a doctor's excuse, or by permission of the instructor.
 - Mechanical Hazards (Lab 8 & 9)
 - The use of sharp instruments in lab is required, and students should exercise caution. The best way to avoid injury is to proceed slowly and follow instructions.

Working in the Laboratory: Chemical Hazards

To the student: You are required to read, understand and implement the safety precautions indicated in your laboratory manual or laboratory handouts, which are summarized below. Your signature on the attached sheet indicates your absolute willingness to abide by these precautions while you are in the laboratory.

1. Work in the laboratory only as authorized by your instructor. Do not perform unauthorized experiments.
2. You are required to wear safety goggles as directed during some laboratory sessions.
3. Learn emergency procedures and know the locations of the nearest eye wash and chemical cleanup materials.
4. If you are injured or if any type of accident or fire occurs, IMMEDIATELY call your instructor for assistance.
5. Carefully read all instructions and thoroughly plan your work.
6. Wear appropriate clothing and shoes, not sandals, when chemicals are in use.
8. Do not eat, drink or smoke in the lab. Never taste chemicals. Smell chemicals cautiously by wafting the vapors toward you.
10. Do not use bunsen burners or other sources of spark or flame in the vicinity of flammable liquids. Note that most organic solvents are flammable.
13. Fill a pipet by using a pipet bulb or mechanical pipettor only; **never** pipet by mouth.
14. If a spill occurs, refer it to your instructor or other trained person immediately.

15. Dispose of chemicals as directed by your instructor and in a manner consistent with federal, state and local hazardous waste disposal regulations. Organic solvents are **never** to be disposed of down the sink; receptacles will be provided as needed for their collection.

Working in the Laboratory: Physical Hazards

To the student: You are required to read, understand and implement the safety precautions indicated in your laboratory manual or laboratory handouts, which are summarized below. Your signature on the attached sheet indicates your absolute willingness to abide by these precautions while you are in the laboratory.

1. Work in the laboratory only as authorized by your instructor. Do not perform projects or activities not specifically authorized by your instructor or your lab teaching assistant.
2. Use caution when working with clippers, pruners, scalpels, and knives since the blades are very sharp. Hold the instruments in the manner directed by your instructor, and concentrate on the work at hand while making cuts. Do not engage in conversation or other attention-stealing activities while working with sharp instruments.
4. If you are injured or if any type of accident or fire occurs, IMMEDIATELY call your instructor for assistance.
5. Carefully read all instructions and thoroughly plan your work.
6. Wear appropriate clothing and shoes in the lab.
7. Do not eat, drink or smoke in the lab.

I have read carefully and understand all of the safety rules contained on this sheet. I also agree to read all rules for specific exercises contained in the laboratory manual or laboratory handouts required for this course. The weekly assignment will include instructions for appropriate personal protective equipment and the safety precautions to be taken for the upcoming laboratory session. I recognize that it is my responsibility to obey them faithfully.

I understand that my adherence to the safety rules will be reflected in the grade I receive for this course. The consequence for not following the instructions of the laboratory session or failure to adhere to the safety rules will result in immediate dismissal from the laboratory period and a grade of zero given for that session.

If I have a medical condition such as, but not limited to, hypo- or hyperglycemia, diabetes, epilepsy, pregnancy, heart ailments, or **any other medical condition** which may cause sudden loss of consciousness, I certify that I am under a doctor's care and that my doctor has given me explicit permission to participate in this laboratory course. I will inform my instructor of my condition at the beginning of the semester, or as soon as I am aware of the existence of the medical condition.

I FURTHER UNDERSTAND THAT I AM PERMITTED TO WORK IN THE LABORATORY ONLY WHEN IT IS UNDER THE SUPERVISION OF A LABORATORY INSTRUCTOR, UNLESS SPECIFICALLY INFORMED OTHERWISE.

To the student: You are required to read, understand and implement the safety precautions indicated in your laboratory manual or laboratory handouts, which are summarized below. Your signature on the attached sheet indicates your absolute willingness to abide by these precautions while you are in the laboratory.

I realize that all chemicals are potentially dangerous; therefore I will exercise care in handling them. If I am unsure of the potential hazards of any chemical, I will discuss this with my instructor prior to using the chemical in question.

I have read carefully and understand all of the safety rules contained on this sheet. I also agree to read all rules for specific exercises contained in the laboratory manual or laboratory handouts required for this course. The weekly assignment will include instructions for appropriate personal protective equipment and the safety precautions to be taken for the upcoming laboratory session. I recognize that it is my responsibility to obey them faithfully.

I understand that my adherence to the safety rules will be reflected in the grade I receive for this course. The consequence for not following the instructions of the laboratory session or failure to adhere to the safety rules will result in immediate dismissal from the laboratory period and a grade of zero given for that session.

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I FURTHER UNDERSTAND THAT I AM PERMITTED TO WORK IN THE LABORATORY ONLY WHEN IT IS UNDER THE SUPERVISION OF A LABORATORY INSTRUCTOR, UNLESS SPECIFICALLY INFORMED OTHERWISE.

I have read and fully understand the HORT 202 rules, regulations, and guidelines as presented above. I have also read and fully understand the definitions and penalties of academic misconduct presented to me.

Sign this form and give it to your laboratory instructor. Retain this information in your laboratory notebook.

Course Name: Hort 202 _____ Section Number: _____ Semester: _____

Student's Name (print): _____

Student's UIN: _____

Signature _____ Date _____

Lab Instructor Name (print) _____