BIOL-240

Laboratory Safety Agreement

In the interest of safety and accident prevention, there are regulations to be followed by all credit students in designated science laboratory rooms at Carroll Community College. Faculty and staff members are authorized to deny the use of any laboratory to students who do not adhere to the regulations mentioned below or in instances when the safety of any of the students, staff or faculty member in the laboratory might be jeopardized.

Regulations for all science laboratories are as follows:

1. Lab experiments have been designed to minimize unnecessary exposure to any hazardous substances; however, it is not advisable for pregnant women or those with certain medical conditions to be exposed to any chemicals or microbes. A list of all chemicals, specimens, and/or microbes used in the laboratory is available on the Lab Safety website. If you are pregnant, or you suspect, should become, or plan to become pregnant during the semester, or have any medical condition or concern, including but not limited to the following: immunocompromised system, seizures, epilepsy, severe allergies, it is your, the student's, responsibility to consult with your medical care provider regarding any medical issue associated with taking this lab and communicate accordingly with the Office of ADA/Disability Support Services, Room A101 so that reasonable accommodations can be determined.

2. For Security and First Aid call 8123 on any College phone or 410-386-8123 on a cell phone or non-College phone. For emergency medical care call 911 and then follow up by calling 8123 or 410-386-8123 so that Security personnel can direct emergency services to the correct location within the College.
3. Refer to the Safety/Security Guide that is posted in every room for college safety guidelines.
4. Proper attire must be worn at all times in all science labs. Long hair must be tied back. No loose or baggy clothes, and no dangling jewelry is allowed. Jewelry may be secured with tape. Shoes must completely cover the foot with heels no higher than one inch. Students must wear crew neck shirts with sleeves to mid-biceps and shirt hem must be over the waistband of the pants. Legs must be fully covered from the bottom of the shirt to the top of the shoes. Old clothes and shoes should be worn as the College is not responsible for damages caused by spills. ANSI Z87.1 splash goggles must be brought to every lab session.
5. Cell phones must be turned off or left turned on in the vibration mode only. They should not be placed on the laboratory bench workstation.
6. Consuming food and drinks, chewing gum, and applying cosmetics (including lotions and lip balms) are prohibited in laboratories.
7. As directed by the lab professor, laboratory desks and floor aisleways must be clear of extra books, clothing and other personal/extraneous items in order to avoid accidents.
8. Be organized. Maintain a clean, open work area free of anything except materials directly required for the exercise. Keep laboratory material/equipment away from edges of work surfaces and electrical cords from hanging below the surface of tables.
9. Equipment and/or chemicals should never be taken out of the lab unless authorized by your professor.
10. Many of the lab activities have students moving around the lab or involve moving objects. Be alert and aware of what's going on around you.
11. Be familiar with the location and the use of the following in your laboratory: e.g. broken glass receptacle, first-aid kit, emergency gas shut-off valves, fire blanket, closest fire alarm, fire extinguisher, eye wash, safety shower, spill kit, emergency telephone, and emergency exits and routes.
12. It is of utmost importance to know the rooms that are off-limits to the students. The students should not enter those prohibited areas.

13. **Be prepared.** Study the assigned exercise **before** you come to lab. Clarify instructions and safety protocols before starting lab exercise. Being familiar with the lab exercise prevents confusion and accidents. No unauthorized experiments are to be performed. Students must follow the procedural instructions in the lab handout/manual unless modifications to the procedures have been announced by the laboratory professor, in which case the student must follow the professor's procedural instructions.
14. Bunsen burner outlets and/or hot plates should be turned off when not in use.
15. Inspect all materials including but not limited to equipment and chemicals, for damage, leaks or breakage before proceeding with experiments. Report any issues to the lab professor before continuing.
16. Notify your lab professor immediately following an accident (even minor), breakage, spillage or potentially hazardous incident in the laboratory. Any spillage can be cleaned up with your professor's instructions. Early treatment can prevent long-term effects or further injury. Never touch any form of broken glass. Broken glass should be disposed of in the broken glass receptacle and only by college personnel.
17. To prevent possible transmission of blood-borne diseases, appropriate and approved gloves must be worn if assisting other students in accidents involving open wounds or blood flow.
18. Caution should be used when working with electrical equipment. Both high and low voltages present hazards.
19. Students must wash their hands with soap and water as directed by their professor before leaving the lab.
20. Students must clean work areas in the method directed by their professor before leaving the lab.
21. Read all chemical labels carefully.
22. A chemical should never be tasted. Odors of certain chemicals or a chemical reaction can be determined by gently wafting some of the vapor towards the nose with a motion of hand.
23. Materials must be disposed of appropriately per the lab professor's instructions. Nothing should go down the drain unless specifically directed by the professor. Containers are available for waste chemicals.
24. Unused reagents should not be returned to the reagent stock bottle. One should make sure to take only what is needed out of the regent bottle. Reagents must not be contaminated.
25. Treat chemicals/microbes/specimens with the respect that they deserve. Hazards can be found on Safety Data Sheets provided.

BIOL-240: Lab-Specific Regulations:

26. When labs involve the use of glassware, liquids, or heat, ANSI Z87.1 splash goggles must be worn at all times.
27. Take precautions while using scalpels. Never use them to point, and do not attempt to re-cap the scalpel. Scalpels are disposable and should be placed sharp side down in a non-biohazard sharps container after use.
28. Gloves will be provided and should be worn while performing experiments with chemicals or biohazards. Gloves should be removed before exiting the room.
29. Full-length lab coats will be worn in genetics lab.

1/20/16-sk
Revised 8/22/19 – ch
revised 7/06/22-sp/jb/CCAO
revised 07/06/26-sp jb

Safety Information Acknowledgement
Informed Consent

Sign and keep for your records

I acknowledge receipt and that I have read and understand the lab safety regulations and that I received a briefing on these regulations from my lab professor. I also acknowledge that I was given the opportunity to ask any relevant questions during the safety briefing. I understand that there may be inherent risks and possible hazardous exposure with lab experiments depending on one's medical condition. I have received a list of chemicals/specimens/microbes relevant to the **Biology BIOL-240** lab. If pregnant, or you suspect, should become, or plan to become pregnant during the semester, or have a medical condition that may be affected by my participation in this lab, I understand that it is my responsibility to discuss any and all issues with my medical care provider and communicate any concerns to the Office of ADA/Disability Support Services, Room A101 so that, if at all possible, reasonable accommodations can be determined.

Further, I accept any and all risk associated with the use of the College's laboratory(s) and the equipment contained therein. I also understand that I am responsible for my personal property at all times. By signing this agreement (or the signature of my parent/guardian if I am under 18 years of age) I fully understand and consider it my responsibility to comply with the safety regulations outlined above. I hereby agree for myself, family, estate, successors, and assigns to hold harmless the State of Maryland, Commissioners of Carroll County, Carroll Community College, its Board of Trustees, officers, faculty, staff, other employees, agents, directors, volunteers, successors, and assigns from any and all claims, causes of action, suits, liabilities, damages, losses, demands, costs, expenses or judgments for damages or injuries to myself or others arising from my participation in the lab, whether or not I consulted a medical provider as delineated above.

Signature of the student	Date	Course & Section
Print Name		Instructor
Signature of the parent/guardian (if under 18)		Date

Print Name of the parent/guardian (if under 18)

Provide the name and telephone number of two "Emergency Contacts" that can be reached during the lab class times. Please note that your medical or physical condition may be released to the contact person at the time of the emergency call. Indicate the relationship to the person and also the telephone location (office, home or cellular). Please print clearly.

Emergency Contact	Relationship	Phone
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CCAO/JCo-approved 1/20/16 Revised 7/30/18 Revised 7/18/22 jb

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Informed Consent

Turn this signed page in to your professor

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Revised 7/6/22 -sp/jb
Revised 7/6/26 sp/jb