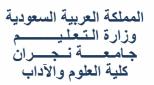
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قسم الفيزياء

## General rules for ensuring a safe environment inside the General Physics Laboratory:

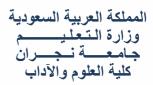
- 1. **Familiarize Yourself with Equipment:** Before starting any experiment, ensure you fully understand how to use different tools and equipment such as Vernier calipers, micrometers, and others. Ask the supervisor if you have any doubts.
- 2. **Wear Personal Protective Equipment (PPE):** Always wear safety glasses, lab coats, and appropriate gloves during experiments to protect eyes, skin, and clothing from exposure to chemicals or fragments.
- 3. **Avoid Eating and Drinking:** Do not eat, drink, or use mobile phones inside the laboratory to avoid contamination of food, drinks, and devices.
- 4. **Handle Precise Instruments with Care:** When using precise measuring instruments like interferometers or microscopes, be careful to avoid breaking or damaging them.
- 5. **Handle Electricity Safely:** In experiments requiring electricity, such as Ohm's Law, ensure devices are disconnected from the power source before assembly or disassembly.
- 6. **Use Chemicals Cautiously:** When working with chemicals, such as in surface tension experiments, use them according to guidelines and keep them away from heat sources and flames.
- 7. **Caution with Heat and Open Flames:** Use electric hot plates instead of gas burners when possible, and be cautious when handling hot elements or open flames.
- 8. **Avoid Bumping and Falling:** Keep the workspace clean and tidy, and ensure there are no obstacles that could lead to tripping or falling, especially during experiments requiring movement like the simple pendulum.
- 9. **First Aid and Emergency Equipment:** Know the location and how to use first aid kits, fire extinguishers, and fire blankets in the laboratory.
- 10. **Proper Waste Disposal:** Follow appropriate procedures to dispose of chemical, glass, and sharp waste safely to avoid contamination and injuries.
- 11. **Careful Handling of Optical Devices:** When using lenses and mirrors, such as convex lenses and concave mirrors, handle them carefully to avoid scratches or breakage.
- 12. **Reporting Accidents and Damages:** If any injury or equipment damage occurs, report it to the supervisor immediately for necessary action.
- 13. **Avoid Working Alone:** As much as possible, avoid working in the laboratory without the supervisor's presence or during unauthorized times to ensure your safety.
- 14. **Understand Emergency Procedures:** Ensure you understand emergency procedures, including how to evacuate in case of fire or any other emergency.
- 15. **Respect and Conduct:** Respect the instructions of the laboratory supervisors and cooperate with them to ensure a safe and productive work environment for everyone.
- 16. **Proper Planning:** Prepare well for experiments by reviewing relevant theories and procedures to understand the processes, which helps avoid errors due to misunderstanding.
- 17. **Risk Assessment:** Before starting any experiment, assess the associated risks and how to handle them safely to reduce the likelihood of accidents.

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<ol> <li>Periodic Equipment Maintenance: Ensure all equipment you use is in go undergoes periodic maintenance to avoid malfunctions that could lead to 19. Following these guidelines helps provide a safe working environment an injuries in the General Physics Laboratory, allowing for a rich and fruitful</li> </ol>	ood condition and to hazards. nd prevents accidents and

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الفاكس: ١٧ – ١٥٠