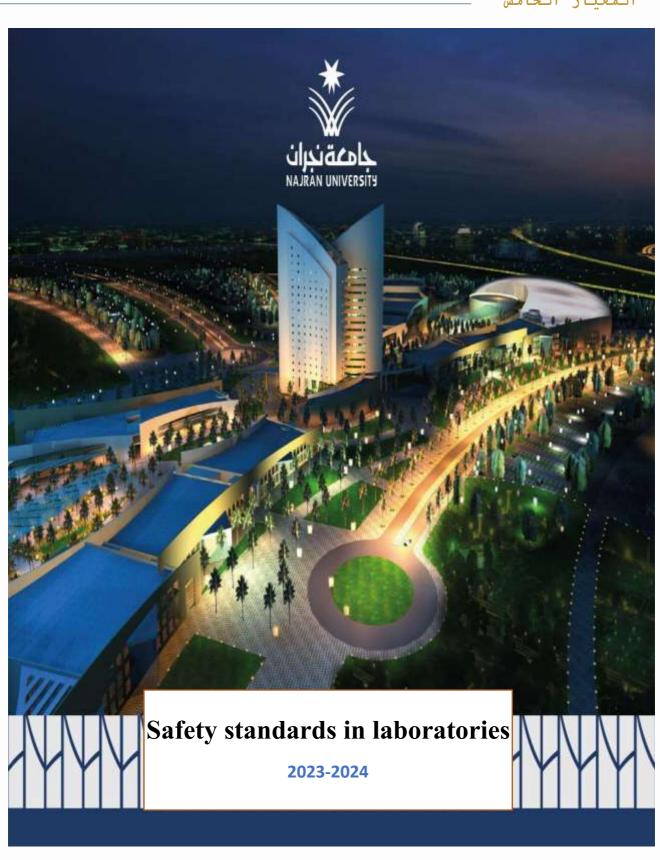
المملكة العربية السعودية

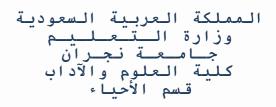
المرفقات:

المعيار الخامس



– تعليمنا يُحقق الرؤية ـــ





لمعيار الخامس

The laboratory is the place designated for conducting scientific experiments and research. It is used to collect the data and information necessary to solve problems resulting from a phenomenon, or to know the disease that has affected a person.

## What must be followed for safety of biological and chemical materials?

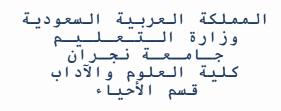
- Conduct an inventory of microorganisms in the laboratory
- Determine the instructions that must be followed to protect against the negative effects of samples and biological cultures
- Obligate students and others present in the laboratory to adhere to the laws followed in the laboratory
- Obligate students to wear personal protective equipment in the laboratory
- Conduct periodic inventory of chemical and biological materials.
- Update the stock of biological and chemical materials.
- Keep all materials in their original packaging.
- In addition to leaving only the permitted quantities.
- Create and keep a record to list chemical and biological hazards.
- Be careful with handling and storage methods.
- Take the necessary precautions to protect the place and human staff when transporting and storing these hazardous materials.
- Deal with waste periodically.

## Proper behavior in laboratories

- Having appropriate personal protective equipment inside the laboratory.
- Imposing restrictions on entering the laboratory.
- Not handling samples outside the laboratory.
- Knowing emergency procedures.
- Reporting immediately in the event of any leakage, accidents, or injuries.
- First aid.

تعليمنا يُحقق الرؤية





لمعيار الخامس

• Knowing what to do in the event of a fire for prevention.

## Safety precautions after finishing work in the laboratory

- Turn off the gas valve immediately.
- Dispose of broken glass.
- Dispose of chemical waste and biological waste
- Return tools, equipment, chemicals, and biological samples to their original location.
- Placing a sign on the trashcan indicating the type of waste contained in it.
- Keeping damaged devices.
- Locking electrical devices and the electrical source after finishing.
- Leaving the coat and personal protective equipment in the laboratory.
- Washing hands with soap.
- Turning off the water tap.

## Requirements for achieving safety and security in laboratories

- Determining the location and how to use safety and emergency equipment.
- Determining safety and security procedures in the event of accidents or emergencies.
- Determining the locations of electricity, water, and gas valves in the laboratory.
- Eye wash and first aid locations.
- Identify the location of fire blankets, fire extinguishers, mercury leaks.
- Identify emergency phone numbers.
- Appropriate evacuation plan drills on an organized basis in the event of an emergency.

المملكة العربية السعودية كلية العلوم والآداب قسم الأحياء

المرفقات:

المعيار الخامس

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Dr. Tulip Abdelghaffar			Date:
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Approved by: Council of Biological Science Department.			No.: 14460411-1075-00007 Date: 15/10/2024

- تعليمنا يُحقق الرؤية