

# 实验室无人值守 实验及过夜实验



NO. 002

## 安全准则

- 准则 1** 除非**绝对必要**，否则不要夜间运行设备或进行实验。
- 准则 2** 让**多个人**知道到你在夜间进行实验或者运行实验设备，在单独工作之前获得PI的书面批准。
- 准则 3** 对你的实验进行风险评估。如果你单独在实验室进行实验，要**做好紧急情况**的准备，这个准备与**日常**的应急准备**非常不同**。
- 准则 4** 与**你的PI**讨论实验，以确保在实验过程中执行**正确的**操作程序。
- 准则 5** 如果进行过夜实验，或者实验设备在夜间运行，请在**门上张贴**过夜实验的批准单，以便值班人员能留意实验室内的情况。

实验室过夜实验申请单

楼栋		房间号		实验室负责人	
实验内容		实验主要风险及控制措施			
有人值守过夜实验					

\* 香港科技大学（广州）过夜实验申请单（请在HSE官网获取）

## 事故案例

2021年6月13日，青岛科技大学化工学院研究生王某某在**未向任何老师、相关部门报备**的情况下，违规在实验室过夜用油浴锅加热开展实验。

晚23:00左右在未关闭实验的情况下，该同学离开实验室，加热至次日即6月14日7:00左右油浴锅温度失控，着火并触发光电烟感报警。

该实验室现场的学生进入实验室后仅断电，未采取任何灭火操作离开实验室。消防监控室值班人员发现该实验室情况的随即前往查看，值班人员进入实验室进行了灭火处置。



着火现场图片

# Overnight and Unattended Operation in Laboratory



NO. 002

## SAFETY RULES

- Rule 1** Do not run equipment or experiments overnight, unless it is **absolutely necessary**.
- Rule 2** Make **multiple people aware** that you are working overnight or late, get written approval from the PI before working alone.
- Rule 3** Perform a **risk assessment** of your experiment. Work through preparing for emergencies if you are the sole person in the lab. This can look very **different than usual** emergency preparation.
- Rule 4** Discuss the experiment with **your PI** to ensure the **correct procedures** are being performed.
- Rule 5** If an experiment is being performed overnight or is left overnight, **post a notice on the door**.

### 实验室过夜实验申请单

楼栋		房间号		实验室负责人	
实验内容	实验主要风险及控制措施				

\* HKUST(GZ) Application of overnight / unattended experiment (you could download on HSE HKUST GZ website)

## INCIDENT

On June 13, 2021, Wang, a graduate student from the School of Chemical Engineering at Qingdao University of Science and Technology, illegally stayed overnight in the laboratory using an oil bath to heat the experiment **without reporting to any teachers or relevant departments**.

At around 23:00 pm, without closing the experiment, the student left the laboratory and heated until around 7:00 am on June 14, the temperature of the oil bath lost control, caught fire, and triggered the smoke alarm.

The students on site only had power cut off and left the laboratory without taking any firefighting measures. The personnel on duty in the fire monitoring room immediately went to inspect and put out the fire in the laboratory.



the fire scene