

Professional Practice in Chemistry

教學實習



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Without you, we would have been lost.

Thank you teacher for guiding us, inspiring us and making us what we are today.

Professional Practice: Identity

認定在課堂的身分

- **As a graduate school student** 修習課程的學生:

Learning through Teaching 透過擔任助教學習:

- Re-examining the basic knowledge and skills

藉由教學：重新檢視基本動作

- Upgrading your presentation

藉由教學：提升表達能力

- **As a teacher** 課堂中的助教（也有老師的角色）:

Teaching through example 身教重於言教:

- You are the (teaching) team member 你是教學團隊中的一員

- You are the role model 你是學生的榜樣

Respect cannot be given, you have to earn it (Kung Fu Panda) 贏得尊重

- Respect (observe) the Lab's rule

尊重實驗室規則：

Thumb rule: Safety First!!

最重要的是：安全第一!!

→ **Good Attitudes** 請以良好的教學態度參與

→ **Correct Skills** 請學習正確的技巧

→ **Nice Atmosphere** 請創造和諧的教室氣氛



Prerequisite : following TA rules listed below

助教規範

- 1. Be On time and sign in 準時不遲到並簽到
- 2. Observing the dress code in the lab
遵守實驗服裝規定
- 3. Familiar with the weekly experiment, including the principles, methods and the processes
熟悉當週的實驗：包括定理，方法與過程
- 4. Being responsibility for the lab security: ensuring that safety standards are followed by "EVERYONE". That means you need to ask yourself to follow the rules first, and then ask students to follow.

盡心維護實驗室”每個人”的安全—意思是：先要求自己遵守安全規範；次幫助學生遵守

Without proper attire, you will be asked to leave!!

未遵守服裝規定者，不得進入實驗室



Safety goggles>



^Long hair tied back

<Avoid loose or baggy clothing

<Closed-toed shoes

Lab apron>

Proper Lab Safety Attire

LAB COAT STYLES



PRIM AND PROPER
I AM... A SCIENTIST!



TOO COOL
(TO USE THE
BUTTONS)



BACKWARDS
ODD, BUT... KINDA
MAKES SENSE?



WRONG SIZE
OR DID YOU GAIN
WEIGHT?

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Respect cannot be given, you have to earn it (Kung Fu Panda)

- Respect the team:

Thumb rule: Safety First!!

→ Correct Skills

If you have different opinions or suggestions about the process, please discuss with Peggie first.

Do not directly change the procedures yourself.

If you tell the wrong things, please correct it ASAP.



Respect cannot be given, you have to earn it (Kung Fu Panda)

- Respect the team 尊重教學團隊:

最重要的是：安全第一

→ 正確的實驗技能

如果對實驗課流程有其他意見，請先與珮綺討論！

請不要隨意要求學生更改流程或是實驗方法！

如果發現自己講錯了，請記得盡快向學生更正



Respect cannot be given, you have to earn it (Kung Fu Panda)

- **Respect Students:**

Remember they have potentials and respect their thought first.

→ **Nice Atmosphere**

- **Use positive words to instruct them. If you want to correct someone, please be more polite.**
- **Usually walk around the lab, not just sit and chat with others.**



Respect cannot be given, you have to earn it (Kung Fu Panda)



- Respect Students 尊重學生:

請記得學生有潛能學習，因此尊重他們的想法

→ 製造和諧的學習氣氛

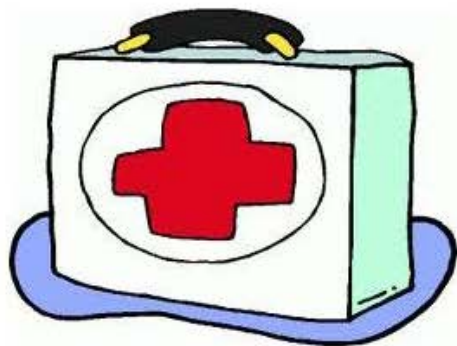
- 以正向字眼教導。如果有哪個學生需要指正，請以禮貌尊重的方式，不要用帶有批判性的字眼
- 請常常到處巡視實驗室，不要只是坐著聊天發呆玩手機！

What can you do ? 你可以作什麼？



1. Check and help: students can do experiments and use hood properly. 確認學生實驗步驟是正確的，確認他們正確的待在抽風櫃前
2. If they feel nothing to do, discuss with them what they can do. 如果有人無所事事，請與他們討論他們可以怎麼分工，可以作什麼！
3. If their reactions or records are different from others , please check their procedures. 如果他們的反應或數據與其他組不同，請幫助他們了解不同之處
4. Always watch out their dress code, especially remind them to wear the goggle. 注意學生是否以安全的裝置與服裝作實驗

Familiar with the Safety Equipment



If an accident happens.....

如果發生意外...

- Always first care about their security, and then ask why happened? 先確認人身安全，再詢問意外發生原因
- Teach them, but not make them feel guilty. 教導他們，但並非製造他們的罪惡感
- Remember they can learn from their fault safely. So use a gentle way to point out their mistakes. 人能在錯誤中學習，因此請用溫和與鼓勵的態度指正他們