Effective Lecturing: developing a mini-lecture (Twelve Tips)



Prof. Garry Wong FHS October 18, 2017

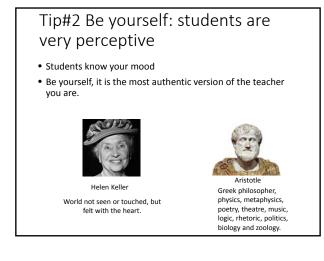
Formats of Lectures

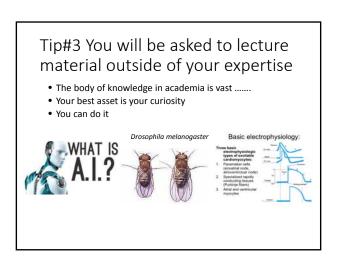


- Elevator Talk (1-5 min; ~1-3 slides)
- Mini-lecture (15-20 min; variable up to 10 slides)
- Formal lecture (45-50 min; variable, usually 25-75 slides)
- Modern lecture (30-75 min; variable, multimedia embedded, activities)









Tip#4 Students are very forgiving of your mistakes in lecture

- If you get something wrong, you can always correct it (e.g. in the next class)......
- If you feel something is wrong, it probably is.....
- You will get better, but it takes time and effort



Tip#5 Teaching/lecturing is about learning

- You have not taught unless the student has learned
- Teach an amount and level of content that can be learned
- Be flexible in your content, teaching approaches, do what works





Tip#6 Content: Less is Better

- Less content is better
- Focus on key points, go for quality
- Preparing less content takes more time
- Typical student feedback content is too much/ too fast



Tip#7 Mix it up

- Use multi-media (videos, surveys, demos)
- Use pauses and breaks
- Flip-it



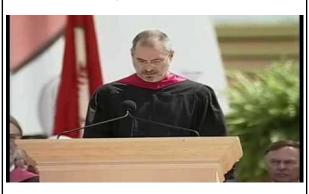
What is white, milk and dark chocolate ?

https://www.youtube.com/weich?v=YRSGiafbill

pollev.com/garrywong



Great example of a mini-lecture



Tip#8 See it from the student's point of view

- Who is your audience ?
- Watch your use of jargon and field specific concepts.
- Time of day matters morning, afternoon, evening class.



Tip#9 See it from your own point of view

- Tape yourself do I really sound like that ?
- Be your own critic
- Develop your style as a lecturer



Tip#10 Take time off after the semester

- Your experiments will wait
- Everyone needs to recharge
- You need to reflect





Tip#11 You will never have enough time for teaching preparation

- Manage well your time.
- Prioritize your projects.
- Have discipline.
- Practice when necessary.
- Repetition makes the master.
- Have a template (1/3 review and discussion, 1/3 lecture, 1/3 activity).

Tip#12 With great power comes great responsibility

- You hope to be a positive influence on a student's life as their teacher.
- A student may remember you for decades.
- Can you inspire their desire to learn?
- Can you give them something that lasts?





Summary and Conclusions

- You now have 12 tips on teaching + 12 tips for preparing lectures
- Applicable for mini-lecture as well as regular lecture
- Both teaching and research demand time and attention, yet both can be rewarding
- You can always improve your lectures and teaching

Thanks for your attention!

