

# Switching from Face-to-Face to Online Teaching Case Study from UCL Chemistry

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# Restructuring modules for online learning at UCL Chemistry

With the current pandemic and restrictions on room capacity, all lectures have been moved online for 2020/21.

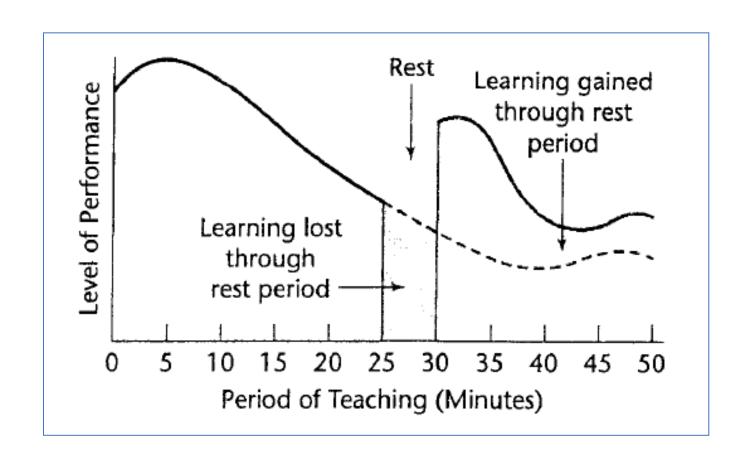
### Advice we have been given:

- Redesign Moodle pages to take a distance learning approach.
- Break down 50-minute lectures into bite-sized chunks.
- Use completion tracking to facilitate engagement monitoring.



# How long should online lectures be?

- Bligh (2000) discussed the importance of rest periods during lectures.
- At UCL, we are being advised that:
  - Lecture videos should be 5–15 min long. No longer.
  - Should be broken up with activities to increase student engagement
  - Keep evaluation frequent.





### **CHEM0027 Chemical Literature**

A third-year module where students complete a literature review.

#### Pre-COVID

Students were given periodic lectures/Q&A sessions throughout the module to keep them on track.

#### Mid-COVID

 The Moodle page needs to be structured as a timeline with clear activities and guidance on navigation and expectations (UCL Connected Learning Essentials Course; Seery 2012).



### From "Tabs" to "Timeline"



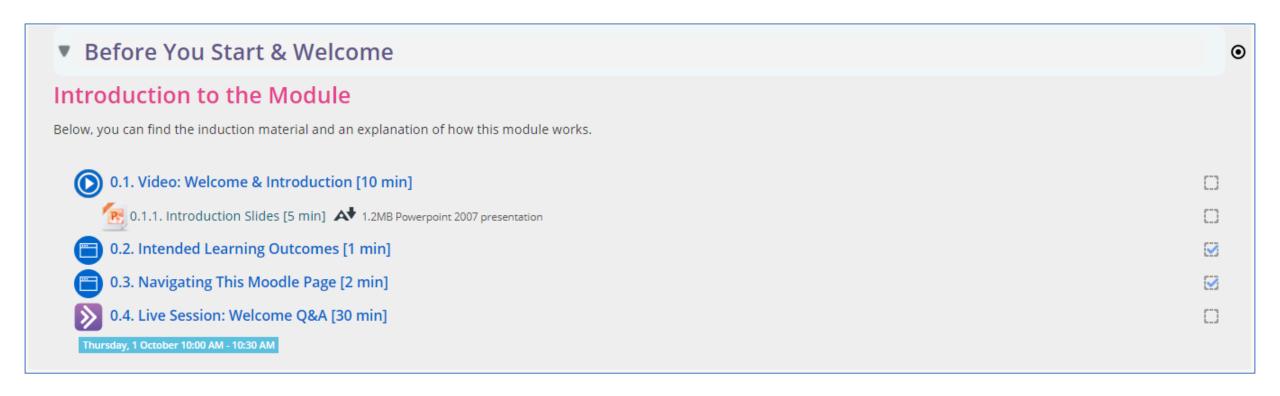


▶ Open all ▼ Close all Instructions: Clicking on the section name will show / hide the section.	
▶ Before You Start & Welcome	•
► Key Documents	•
▶ 1. Topic Choice, Allocation and Preparation (Week Commencing 28 September)	•
▶ 2. Tutorial 1: Introduction to Topic (Week Commencing 12 October)	•
▶ 3. Tutorial 2: Discussion of Papers (Week Commencing 19 October)	•



# Making the Navigation Clear – Synchronous & Asynchronous

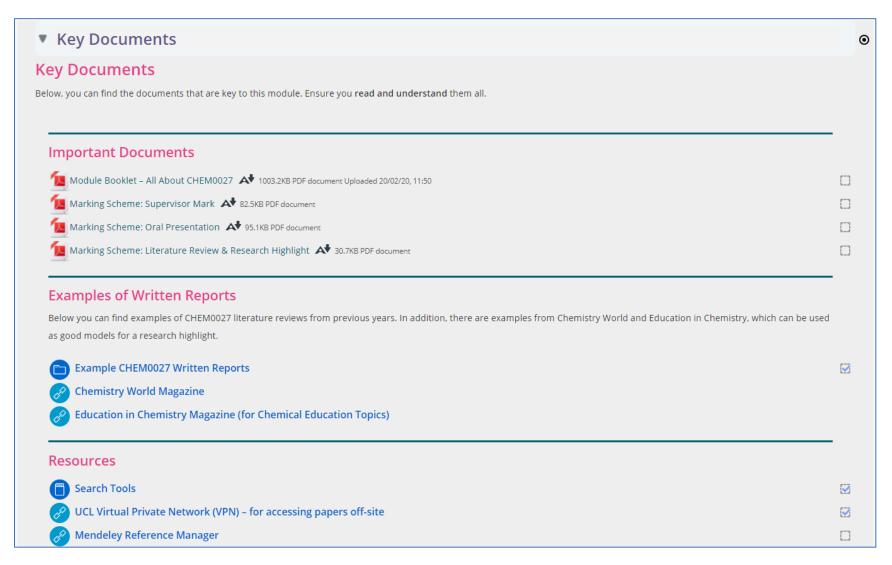
- Numbering key items.
- Completion tracking.
- Giving expected time spent.





## Making the Navigation Clear – Resources Area

- Recommend placing this early so students always know where to find resources.
- Keep "clutter" to a minimum – key information is within the resources.



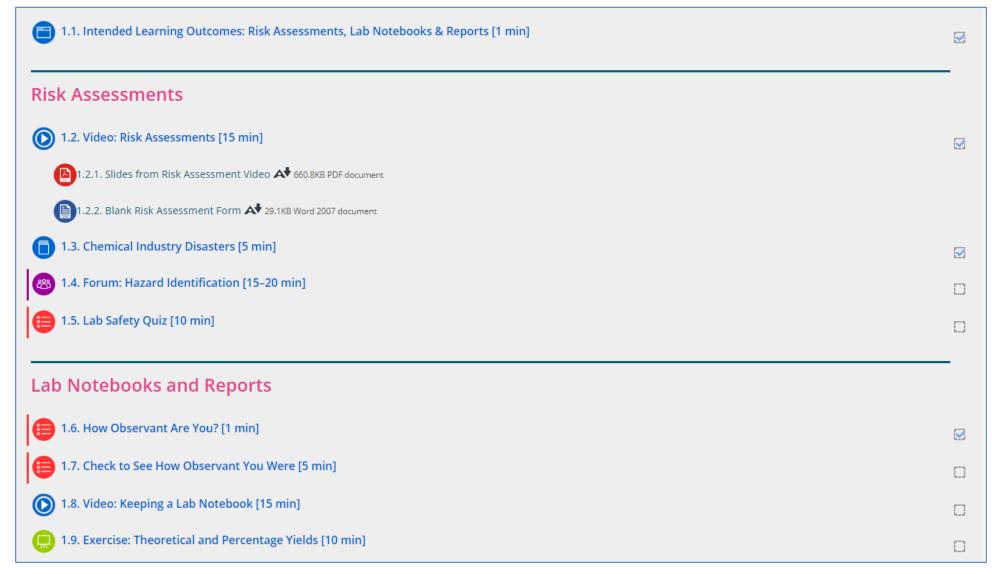


# **Making the Navigation Clear – Asynchronous Activities**

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# Making the Navigation Clear – Year 1 Chemical Skills





# In breakout rooms, discuss the following:

- Have you run a distance-learning or online-only module?
  - What worked well?
  - What would you change?
- What are you doing this year?
  - What types of activity are you using?
  - What activities would you recommend as a "quick win"?
  - How would you make sure students are engaged?
  - Any general tips?

Please fill out the Microsoft Form for the summary session.