

How to use this resource

This resource map gives you an overview of the C/PBL resource 'Chemistry and food security'. We have provided you with a brief guide to what the tutor and students will be doing at each stage of the course, so that you can more easily envisage how to run the course.



Module structure

Tutors

Session 0 (optional)

Before session

Email us to request the facilitator notes and read through to familiarise yourself with this module. Issue students with the 'Session 0' summary, which includes the Intended Learning Objectives (ILOs) and the Discussion Questions and the introductory email from Dave Ball

In session

Start the session by getting students to audit what they already know – this can be done in the context of the Discussion Questions – students can research the discussion questions before the session to help make the in-session group discussion more productive. Towards the end of the session ask groups to describe the planned structure of their wiki and what research that remains to be done

After the session

Students should receive written feedback (and oral feedback if possible) on their wiki

Session 1

Before session

Issue students with the 'Session 1' summary, which includes the ILOs, the introductory email from Dave Ball and the Discussion Questions – you may want to remind students that they can research the discussion questions before the session to help make the in-session group discussion more productive

In session

Start the session by getting students to audit what they already know – this can be done in the context of the Discussion Questions. Later in the session encourage students to plan their presentation – what points will they need to make? What additional research needs to be done? Who will do what? Will the group practice the presentation?

After the session

Remind students of the deadline (next week) for their written summary and the fact that they will be delivering their presentations in the next session

Session 2

Before session

You should create a schedule for the presentations based on the number of groups you have. Issue students with the 'Session 2' summary, which includes the ILOs.

In session

You may want to get students to peer mark each other based on the assessment criteria at the end of the document

Session 3

Before session

Issue students with the 'session 3' summary which includes the ILOs and Discussion Questions, the newspaper stories and the correspondence from Dave Ball (including the data) and the template for the report

In session

Start the session by getting students to audit what they already know – this can be done in the context of the Discussion Questions

Later in the session students need to analyse the data they have been provided – you may want to do this in a room with computer facilities so students can start working on a calibration plot – if this is not possible, they can work on this after the session

Before next session

Students need to submit their short report on the data they have been given

Session 4

Before session

Issue students with the email from Dave Ball on vodka analysis and the 'session 4' summary which includes the ILOs.

In session

Ask groups to describe their approach to you and give some oral feedback on this.

Before next session

Students receive written formative feedback their plan.

Session 5

Before session

Issue students with the email from Dave Ball and the 'session 5' summary which includes the ILOs

In session

Ask groups to describe their approach to you and give some oral feedback on this

After the session

Get students to submit their lab plans and give them feedback before the lab sessions if possible

Session 6

Before session

Issue students with the email from Dave Ball and the 'session 6' summary which includes the ILOs

In session

Ask groups to describe their pitch with you and provide feedback.

After the session

Students need to finish preparation of their elevator pitch

Students should be advised to practice their pitch in front of an audience

Session 7

Before session

Create a schedule for the presentations based on the number of groups you have. Issue students with the 'session 7' summary which includes the ILOs.

In session

Assess students' presentations.

After the session

Provide students with feedback on their presentations