

## Dublin Chemistry Graduate Assistant (Demonstrator Module) CHEM40340 Experiment Questionnaire

Note: this document must be filled out (typed only) as follows:

- (1) Where you are responsible for one experiment complete this once.
- (2) Before each of the 5 experiments over which the module is run.

It cannot be filled out in the laboratory. Either late submission or unsatisfactory answers in any one questionnaire leads to failure of the module.

The academic in charge of the lab will examine the questionnaire, sign and date it and pass it back to you. You need to keep the questionnaire for final submission at the end of the module.

**Questionnaires which are clearly copied from another demonstrator (in full or in part) will result in no credits being awarded.**

**Note:** While concise answers are expected, overly laconic or trite answers e.g.: 'The learning objective of this experiment is to hydrolyse an ester' will not be deemed satisfactory.

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**Demonstrator Name:**

**Date:**

**Lab session (e.g. JF Organic etc.):**

**Experiment No. (in sequence of 5):**

**Academic name:**

**Question 1:** What, in your view, is the learning objective of this experiment?

**Question 2:** What experimental techniques will the undergraduates become more familiar with after doing this experiment?

**Question 3:** Will the use of any specialised equipment be required to carry out this experiment? If so, what is your experience in using this equipment? If you previously did not have experience using this equipment – what action have you taken to gain the appropriate expertise?

**Question 4:** If your experience of using the equipment in Question 3 is limited prior to this module, what steps have you taken to familiarise yourself with it, so that you can demonstrate its use to students effectively?

**Question 5:** What, do you expect, will prove to be the difficult parts of this experiment for the undergraduates to execute?

**Question 6:** What, do you expect, will prove to be the difficult **concepts** associated with this experiment for the undergraduates to grasp?

**Questions 7:** Anticipate 5 key questions that you expect from undergraduates associated with this experiment (i.e. not generic questions such as 'where can I find filter paper/chemicals etc'.).

**Please answer pre-practical questions (if these are asked in the undergraduate manual) in full and submit with this questionnaire. If data is required simply show the calculations etc.**