

Course Overview

If you are currently use, or want to use the LabTutor experiment format in your laboratory practicals, this course will guide you through LabTutor software's layout and configuration. You will discover the benefits of LabTutor's novel approach to teaching practicals and you will learn how to use LabAuthor software to make simple edits to the layout and content of our existing experiments to suit your curriculum requirements.

As well as providing extensive instruction, our experienced staff will ensure that you receive the level of attention you require. With access to your own hardware terminal, you will have plenty of opportunity for hands-on experience. This course will give you the confidence to start using LabTutor in your laboratory, and modify existing experiments in LabAuthor.

Who should attend?

This course is useful for all educators involved in laboratory practicals who are interested in seeing how LabTutor could benefit their course. No prior experience with LabTutor or LabAuthor is required and the course will suit users who require an intensive course for learning how to start using LabTutor and LabAuthor, as well as those who wish to start editing the current experiments offered in LabTutor.

Learning Outcomes

At the end of this training course you will be able to:

- Configure the LabTutor display and manage your installed experiments
- Make simple changes to text including background materials, setup instructions and experiment protocols
- Modify images, or import new images
- Add additional instructions and materials to pop-up pages
- Change settings in the LabTutor Kernel
- Edit the existing questions in the report, and insert new questions

"PowerLab LabTutor Systems have been an excellent addition to our first and second year biological and biomedical science programs. Students enjoy using the easy-to-follow instructions to work at their own speed, and staff appreciate the ease with which students can get experiment results during their laboratory sessions. LabTutor's background information, exercises and interface design are excellent, and I like that I can modify the report section to suit my institution and courses."

Dr. Ian Kay, Senior Lecturer in Physiology, Manchester Metropolitan University, UK

"I have used the ADInstruments research PowerLab system for several years and recently we have also introduced the Advanced Teaching System (with LabTutor software) in our student lab... With the introduction of the LabTutor system the process of setting up an running the lab exercises has been even easier, allowing the students even more time to focus on the subject matter instead of the technical aspects."

Prof. Michael Axelsson, Goteborg University, Department of Zoology, Sweden

Course Agenda

LabTutor Software

- An overview of the LabTutor format
- Introduction to LabTutor experiments
- Managing your experiments in LabTutor
- Configuring report submission
- Clearing student data
- Accessing Instructors Materials

Introduction to LabAuthor

- An overview of the LabAuthor editing software
- LabAuthor layout and drag and drop functionality
- File types and storage within LabAuthor
- The LabTutor Kernel

Modifying Existing LabTutor Experiments

- Changing, deleting or adding text
- Modifying images, or importing new images
- Creating new pop-up pages for extra details
- Adding additional instructions and materials to sub pages
- Changing recording settings in the LabTutor Kernel
- Editing report questions, and insert new questions

Integrating Modified experiment into LabTutor

- Previewing your new experiment
- Renaming and saving the experiment
- Configuring new experiment into LabTutor
- Viewing and trialling new experiment