

FoNS Learning and Teaching Development Programme (LDTP)

Workshop 3 - Learning Technologies for Teaching Workshop

Format of Workshop

The workshop is intended to provide participants with a practical introduction to using learning technologies and associated systems within their teaching and learning. This workshop is provided through the Virtual Learning Environment (VLE) and is managed and moderated by the Faculty's [EdTech](#) team.

Purpose of Workshop

The workshop looks at learning technologies for lectures, seminars, tutorials and laboratories.

By using the approach below, the workshop aims to: reinforce the importance of considering the use of learning technologies in the preparation stage and to emphasise the key strengths of these technologies in supporting the required learning outcomes; to provide a practical means of acquiring these key skills, knowledge and principles in the use of these systems and technologies; to provide a list of department, Faculty and College contacts who can assist in implementing and adapting these technologies for teaching. Specifically, the online workshop introduces:

Preparation:

- The use of the Virtual Learning Environment (VLE) at Imperial (currently Blackboard Learn) and designing blended-learning modules. Emphasises the use of the assessment, assignment, adaptive release and discussion board tools within the VLE, including Turnitin.
- The use of PowerPoint and other presentation aid software (e.g. simulation software, LabSkills, Metric, etc).

Delivery:

- The use of classroom technologies, such as Clicker voting systems, Tablet PCs/iPads and e-Beam whiteboard capture systems.

Distribution:

- The use of lecture & personal capture technologies (such as Camtasia Studio, Panopto and similar).
- Exporting & publicising lectures via the VLE, Panopto lecture capture, streaming server and similar technologies.

Evaluation:

- Tracking & monitoring student progress.
- Analysing results and reviewing the effectiveness of assessments & assignments.
- Creating and analysing surveys.

In addition to the above, participants are made aware of other technologies and online resources, which are available at Imperial and available more widely to the HE sector in the UK. These resources can be used in the preparation of educational materials, to inform teaching practice and can be used for other teaching activities, such as laboratories and tutorials. Examples of these include online media repositories managed through BUFVC, JISC and similar organisations. Other specialist aspects surrounding teaching technologies and resources, such as Creative Commons licencing and IPR, will be addressed by providing appropriate links to resources and, where necessary, additional input will be provided by other staff within the Faculty.

Learning Outcomes

As this course is online, the material is available on a 'just in time' basis.

Participants are invited to upload a copy of their teaching plan for Workshop 4, if they wish. This is not compulsory, however it may be beneficial, as it provides an additional opportunity to discuss any learning technology aspects for the plan with a Senior Learning Technologist.

By the end of the workshop participants will:

- Have an awareness of the scope of the various technologies highlighted above in the context of Implementation within the Faculty
- Have a good understanding of learning technologies and how they can be used within the classroom, tutorial and laboratory environment.
- Be aware of who the primary contacts are in their department to obtain further information and assistance with implementing these technologies in their teaching.
- Be familiar with the online material, which provides a useful resource for exploring and developing further the use of learning technologies within their teaching.

Additional benefits:

As the course is delivered through the VLE, the material is also available as an online resource. The material can be reviewed at any time and used as a learning resource and revision aid.

As previously mentioned, once this initial material has been explored, additional face-to-face support can be provided. These sessions can be arranged on an ad hoc basis, either as one-to-one or small group sessions, with the aim to develop the use of learning technologies further for individual courses and/or academic staff, as necessary.

Preparation for the Workshop

There is no specific preparation required for this workshop, but it should be taken only once the FoNS Workshops 1 and 2 have been completed.