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Online learning to train users of muons and neutrons at ISIS

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Online learning is being adopted across a wide range of disciplines as remote access to resources, widening participation in training, and an appreciation of the diverse approaches of learners have come to prominence. Online resources can also be used to augment more traditional in-person training by bringing a cohort of learners up to a common minimum level beforehand, distributing materials during the course, and reinforcing learning after the event.

Over the last six years ISIS has developed online learning materials about muon and neutron science that sit alongside other neutron science materials produced as part of the SINE 2020 project. The materials include lecture videos, quizzes, and introductions to science areas, experimental techniques, and computational methods. These have been used by hundreds of students, those participating in training schools, those preparing for experiments or data analysis, and those with another interest in these subjects. Users have provided consistently positive feedback on the available content. Following the conclusion of the SINE2020 project, the materials are now hosted by the PaNOSC and ExPaNDS projects at: https://e-learning.pan-training.eu/.

We will describe the materials now available, the opportunities and challenges of online training for facility users, and the developments planned for coming years.

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