



Job Title: E-Learning Developers
Department: Department of Electronic & Computer Engineering
Job ID: 6375

Job Posting Details

The rise of online and mixed-mode teaching enables the delivery of educational materials to wider populations than possible when restricted to the physical classroom. This raises new challenges in engineering education, where significant components of learning are “hands-on,” e.g. in laboratories. Current platforms for online learning, e.g. Zoom, are not able to adequately address this. The Department of Electronic & Computer Engineering at HKUST is seeking developers to develop technology and materials supporting online and mixed-mode teaching of courses traditionally taught in on-campus laboratories, such as online platforms enabling access to and experimentation with physical equipment located remotely from the students, and low-cost setup that can be distributed directly to individual students.

The appointees will assist in the development of course materials to support mixed-mode teaching. Major duties include the development of materials enabling the online delivery of engineering course content, including online laboratories, as well as the development of materials enabling students to perform experiments at home, and make good use of new teaching methodology/technology. As part of their role in developing course materials, the appointees may also assist in collecting course feedback and further developing the materials based on course feedback.

Applicants should have a bachelor's degree in electronic/computer/electrical engineering; expertise in digital circuit design and embedded system development; and knowledge in basic electronics, signals and systems, and communication systems. Excellent communication, interpersonal and presentation skills; and a good command of spoken and written English are required. Fresh graduates will also be considered. (Duration: 1 year)

Fringe benefits including annual leave, medical and dental benefits will be provided where applicable.

Application Procedure

In support of a green work environment, we accept applications submitted online only. To apply, please complete an online application form through the HKUST Careers website (<https://hkustcareers.ust.hk>) and return it online to the Human Resources Office. Review of applications will begin on **Tuesday, 3 August 2021** and continue until the positions are filled. Applicants will receive an acknowledgement by email upon successful submission. We thank applicants for their interest, but advise that only shortlisted candidates will be notified of the result of the application.