Innovative Learning Applications for iLecture

This guide provides a selection of the innovative learning applications for iLecture that have been applied by staff in various departments at Curtin.

**Nursing Student Prac Simulation recordings** using remote-controlled Dual ceiling mounted cameras in two Nursing simulation wards. One camera records a wide-angle scene while the other zooms in for detailed vision in each ward.

**Silver Chain Wounds West Clinic and Ward** have up to two ceiling mounted cameras to capture wound treatment procedures. An academic based in the Pilbara is able to connect remotely, control the camera and talk to patients and staff during an examination.

**Engineering Mathematics lecturers** are representative of many who switch between PowerPoint slides and document cameras to record hand-written equations and worked examples in their lectures.

**Pharmaceutics Lab Practicals** recorded on handycam and uploaded into iLectures for students to view before doing the pracs themselves.

**Physiotherapy MasterClasses** with real patients are recorded using 2 video cameras and a vision mixer in a lecture theatre to capture the procedures from different angles and project on the big screen in the lecture theatre so students up the back can see. The lectures are also recorded for online viewing in iLectures.
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Occupational Ergonomics is one of many units making dual video recordings capturing the whiteboard and PowerPoint slides using the webcams built-onto lecterns in many smaller classrooms across campus.

Exmouth Piercam Underwater webcams: Three underwater webcams at the end of the Exmouth Navy Pier stream live video footage through one of our iLecture streaming servers for several units within the Bachelor of Aquatic Science programme.

Physiotherapy Students use the iLectures Personal Capture software on webcam-equipped computers by the bedside to record their own practicals for self-assessment and group analysis.

Film & TV student projects are uploaded into the iLecture system for display and promotion.

Tax Law lectures are professionally video recorded in the studio for distance students around the world.

Closed Reserve Video Resources and audio and video recordings from commercial DVDs, broadcast TV and other sources are all digitised into the iLecture system to give students the flexibility of watching these materials on their computers, iPhones or media players without having to queue up to access limited closed reserve materials.