![NUS - National University of Singapore]

Centre for Instructional Technology

Enhancing Teaching and Learning through Digital and Audio-Visual Technologies

About the Centre for Instructional Technology (CIT)

CIT is a specialist centre that provides technology and audio-video related services to enhance, supplement and support teaching and student learning at the National University of Singapore.
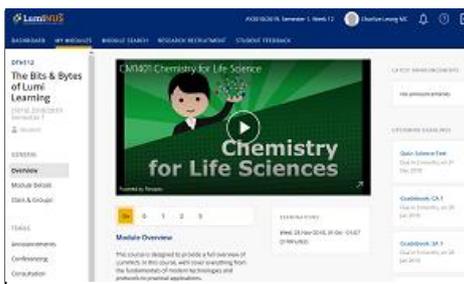
In 2003, CIT became the first educational technology centre to be ISO 9001:2008 certified for its courseware development, lecture recording and video production services. In 2016, CIT was certified for ISO 9001:2015 for its lecture recording, video production services, system, server management and audio-video services at University Town.

Instructional Development

Digital Learning Platform
LumiNUS.nus.edu.sg

NUS' digital learning platform is called LumiNUS. LumiNUS comes with class rosters, student photographs, syllabus, assignment repositories, guided learning with learning flow, forums, chat rooms, quizzes, surveys, polls, project evaluation, video repository with playlists and streaming, web lectures, class/exams timetables and library e-reserves. LumiNUS supports SCORM, XAPI content standards and LTI to integrate to a variety of e-learning applications. Designed to support greater student engagement with your content, LumiNUS provides a comprehensive and holistic view of how students interact with your content. Students get immediate notification on assignments and deadlines due through a task manager.
LuminUS is fully mobile accessible on both iOS and Android platforms.
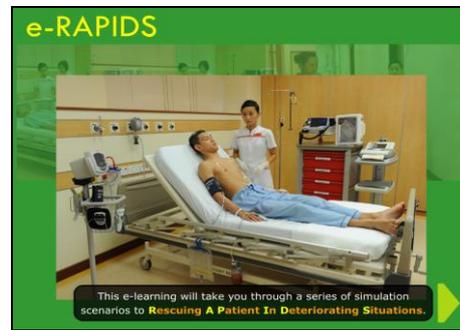
NUS Blogs
blog.nus.edu.sg
A blog service to encourage active participation, reflection and discussion among students and faculty on topics posted by the faculty and students.

Course Development

CIT offers instructional design and content development services to enable faculty to transfer their modules and classroom-based lessons into interactive multimedia modules!

Talk to us on the options available to create interactive course modules.

CIT has rapid content development tools and video resources to allow faculty to create and add highly interactive and engaging multimedia contents quickly and easily.

NUS Wiki
wiki.nus.edu.sg

An enterprise-wide Wiki service that allows you to create collaborative glossaries, knowledge base or work on documents that require multiple user inputs and versioning control. NUS Wiki has many features such as history, comments and flexible permissions. It also features drag-and-drop page organisation, persistent links, elegant exports to various formats and others.

Blended Learning/Flipped Classroom
cit.nus.edu.sg/iblocs-moocs

Internal blended learning online courses (iBLOCs) are part of NUS' initiative to move selected modules from a passive lecture format into a blended learning/flipped classroom model of instruction. The blended learning/flipped classroom format has been proven to improve student's understanding with the content.

CDTL and CIT conducts a regular blended learning course every semester to aid faculty in redesigning their modules into a blended learning /flipped classroom format.

CIT with CDTL will provide a **one-stop production 'shop'** that will guide faculty in seeking copyright clearance and provide production and post-production services to ensure courses transformed into the blended learning/flipped classroom format are completed on time with sound pedagogical grounding.

A Lightboard Recording

Lecture Capture

Webcast & Audio Lectures
fac.weblecture.nus.edu.sg

The web lecture system displays a video of the lecturer, synchronized slides and an index to the video and slides. Web lectures reinforces learning and study and reduces the need for note-taking during lectures. Seminars, corporate events are also webcast at NUS.

All web lectures are converted into audio recordings and can be played back or viewed on smart phones.

Student's View

Self-Service Lecture Capture

Faculty interested in recording their lectures themselves can consider CIT's screencast services. Screencast or digital screen recording is the process of capturing the video of what is happening on your computer screen while you narrate over it. CIT offers three software for screen recordings – Camtasia, Panopto and Ink2Go.

Ink2Go is licensed to students to enable them to submit multimedia assignments.

Conferencing & Virtual Meetings

Web Conference with Zoom

CIT uses Zoom for its web conferencing service. Web conferencing allows you to have lectures, seminars or meetings online without using specialized video conference hardware. Meet, discuss and collaborate online using a computer with a webcam and microphone connected to the internet. With web conferencing, fully interactive and collaborative lectures can be conducted online involving students anywhere around the world.

Other conference services supported are online meetings, PhD thesis review and live seminars.

Conferencing Classroom

A specially designed interactive 80-seat conferencing classroom using push-to-talk microphones and multiple cameras are available at University Town.

Microsoft Teams
cit.nus.edu.sg/Microsoft-teams/

Microsoft Teams is a chat-based workspace in Office 365. It is a digital hub for teamwork that brings conversations, content and apps together in one place.

Share ideas from desktop or mobile devices and have instant access to everything your team needs. Microsoft Teams is available to all NUS students and staff with access to Office 365.

Active Learning Classroom

Active Learning Classrooms
alr.nus.edu.sg

These classrooms enhanced with technology and audio-visual equipment is designed to support project & inquiry-based group discussions and class presentations.

Multimedia

Video Capture Services

Video capture services include a single camera fully scripted video to a live multi-camera switching capture of academic teachings, public lectures, conferences, talk shows & events. Events can be streamed live to the Internet or Intranet

Video Production

CIT can also be engaged to create informational and instructional videos for your course. Talk to our media producers to solicit feedback on how video can be used to create engaging and interactive content for your course.

CIT can facilitate to host your videos on NUS' YouTube Channel at youtube.com/nuscast

University Town Multimedia Hub

Located at University Town, this Hub contains a professional recording studio, audio recording booths and a post-production multimedia classroom. These facilities can be used for teaching and self-recording

Video Management System
mediaweb.nus.edu.sg

A video management portal similar in features and functionalities to YouTube is available for NUS entities to manage and publish their media assets to a centralized location for permanent archiving.

Resources & Services

Plagiarism Prevention Service
cit.nus.edu.sg/plagiarism-prevention

This service by Turnitin, assists faculty in detecting plagiarism in student assignments. Faculty can submit assignments on behalf of students or students can be directed to submit their assignments to this service. Student assignments can be submitted to Turnitin through LumiNUS

MindMaps
mindmap.nus.edu.sg

Mindomo is a web-based collaborative mind mapping tool, which delivers the capabilities of desktop mind mapping software in a Web browser.

Poll Everywhere
cit.nus.edu.sg/poll-everywhere

Poll Everywhere is a BYOD (bring your own device) classroom response system that shows response results directly in the presentation slides.

It enables you to ask questions live and get answers from your students. The results are displayed graphically within your presentation software itself. Poll Everywhere works with PowerPoint (Mac/Win), Keynote (Mac) and Google Slides.

IT Shared Service : Classroom

CIT with NUS IT will be providing support for all the teaching spaces and meeting rooms at the Faculties. Support will ensure equipment and software in the teaching spaces are well managed and always ready to ensure teaching is not disrupted.

CatchBox Throwable Microphones

CatchBox is a throwable cushion box with a microphone inside to enhance student engagement and to liven up interaction within the class. CIT has acquired four CatchBox throwable microphones for use at University Town.

CIT Projects

Digital Assessments
wiki.nus.edu.sg/display/da/Staff

NUS leverages on Examsoft to support online open and closed-book examinations and continuous assessments. Fully automated, these digital assessments are conducted in centralized locations around the campus using the students' own notebooks (BYOD). The student's familiarity with their own devices allows them to concentrate on the assessment.

edX@NUS

CIT and CDTL can help you create MOOCs (Massive Open Online Courses) both for the global audience and/or for NUS students only. Together with CDTL, we will work closely with you on creating your multimedia assets and course outline for your MOOC and when ready publish it on edX platform.