

EDUCATIONAL TECHNOLOGIES at CUSPS

The following technologies are approved by Columbia University Information Technology (CUIT) for use in university courses. The Online Curriculum & Instruction unit in the School of Professional Studies provides support to faculty seeking to design academic technology integrations for their online courses. It also provides training and support for a wide range of academic technologies used by faculty and students in CUSPS courses.

TECHNOLOGY	INSTRUCTIONAL USE
Learning Management System (LMS)	
	Canvas enables instructors, TAs, and students to collaborate and communicate in a virtual course environment. Instructors use Canvas sites to manage course components, communications, and grading. All other instructional technologies integrate with Canvas.
Web Conferencing and Video	
	Zoom is the video conferencing tool used for online class sessions, office hours, and group presentations. Faculty and students can meet via webcam and audio in real time.
	Panopto is the CUSPS video platform. It allows faculty and students to record and share video content. Instructors can record short videos using slides and other on-screen content along with audio; and students can record and share presentations.
	BigBlueButton is a synchronous video conferencing tool. It provides an online space where students can meet and work together on group projects in real-time.
	Recap'd is a live captioning service that helps us ensure that all of our students can access the video-based learning resources in their courses.
Learning Engagement	
	Padlet is a free, web-based content creation tool that allows users to make and share virtual bulletin boards. It supports group projects, collaborations, and research.
	VoiceThread is an interactive, multimedia slideshow tool that enables users to hold asynchronous "threaded" conversations around images, documents, and videos.
	Piazza facilitates Q&A in courses. Students ask questions, get responses, and rate their effectiveness. It functions as a mixture between a wiki and a forum.
	EdBlogs sets up a blog for any course offered at Columbia, at an instructor's request. A basic template that accommodates blogging, journal writing, and web sites is provided.
	PebblePad is a platform that enables students to capture and make sense of their learning experiences as they occur, using templates, digital workbooks and ePortfolios.

Assessment and Academic Integrity	
	Turnitin is text-matching software that helps students to demonstrate academic integrity in their work. It checks student writing for citation mistakes or inappropriate copying.
	Proctorio is the secure proctoring service for CUSPS. It uses a student’s computer webcam and microphone to monitor their activity as they take quizzes and exams online.
	AdaptPrep is an online study software used by Actuarial Science students to prepare for their professional exams and certifications.
Computing and Data Science	
	Codium is a web-based integrated development environment (IDE) that configures a virtual machine with the software needed to create and test code assignments.
	RStudio is an open-source IDE that allows students to interact more readily with R, a programming language for statistical computing and graphics.
	DataCamp is an online learning platform specifically for Data Science. It offers courses in Python, R, SQL, and Spreadsheets that are interactive and based on learning-by-doing.
	Anaconda is a free, open-source Python/R Data Science distribution platform for deploying machine learning, predictive analytics, and AI projects.
Learning Resources	
	Columbia University Libraries is an academic research library, enabling world-class teaching, learning, and research by Columbia faculty, students, researchers, and staff.
	Harvard Business Review publishes case studies, simulations, and other learning resources for professionals and executives; used in a number of CUSPS courses.
	Lynda.com is an online training resource for business, IT, and desktop skills. Columbia’s subscription gives faculty, students, and staff unlimited access to its video tutorials.
	WileyPlus is an online teaching and learning environment that integrates digital textbooks with instructor and student resources, progress-tracking, and auto-grading.