A New Perspective

A state-of-the-art building with state-of-the-future technology.

Preparing students to lead in a new era of health care requires providing them the knowledge and skills to thrive in these fast-changing fields.

Just as studying with medical, dental and nursing students helps ready them for team-based care, working with the latest digital tools accelerates learning and offers experience in adapting to pioneering approaches.

See some of the ways Case Western Reserve University and Cleveland Clinic are reimagining health education.

Virtual-Reality Anatomy Curriculum

Developed in partnership with Zygote Medical Education, this approach to anatomy brings the virtual patient and the clinical environment into the classroom. Students will learn the anatomic regions of the human body in a realistic and translatable manner, through self-guided or instructor-led sessions, either in individual or group settings. With remote support, students can connect in a virtual anatomy lab with peers around the world.

HoloAnatomy

Using Microsoft HoloLens, a mixed-reality device, medical students will learn much of their human anatomy knowledge virtually. The headset and CWRU-developed curriculum, HoloAnatomy, allow users to view a detailed 3D hologram of the human body, look inside organs from any angle, and even see how different diseases or injuries affect parts of the body.
Meanwhile, the Learning Lab is outfitted with state-of-the-art technology for faculty to train on the technology to ensure they provide students with the highest quality education available.

**Flight Nursing Simulator**
The Frances Payne Bolton School of Nursing’s flight simulator combines a fuselage that pitches and rolls with video “windows” whose images mimic different airborne views. A nearby ambulance can be used to replicate real-world patient transfer experiences for the students. And all of the activity can be recorded to the simulation system by cameras and microphones in the new Critical Care Transport Room.

**U/S Mentor Training Simulator**
The U/S Mentor is a medical simulator for ultrasound-related examination and intervention training. The technology combines 3D virtual cases and clinical scenarios featuring reconstructed ultrasound scans of true-to-life anatomy for realistic, hands-on training. Plus, students can acquire and improve sonography-related skills on a variety of virtual patients.