

ALL DIGITAL TAKES MACQUARIE UNIVERSITY INTO THE 21ST CENTURY

If teaching a number of students, hands-on skills is a requirement for your curriculum, here is a system that can dramatically enhance teaching efficiency.

Introducing a snapshot look at how All Digital and Macquarie University have joined forces on a groundbreaking project in a classroom environment: This is a 21st Century example of how the effective and clever use of audiovisual technologies can revolutionise the world of teaching and learning.

This is a true story of how All Digital took a complex issue and simplified it for university staff so they could concentrate on their core – teaching. All Digital designed a broadcast camera system that allows teachers to teach in real time while projecting the instruction over four plasma screens placed throughout the training facility.

CHALLENGES

Macquarie University has an ongoing Chiropractic Program with a number of students enrolled in the program. Historically, teaching Chiropractic psychomotor skills at the University involved as many as 40 students surrounding a bench while a trial example took place. Typically, several procedures would have to be demonstrated before students would have a chance to actually practice them. In effect, these students were over crowded to watch a single tutor demonstrate a procedure. Herein lies the problem. Many repeat tutorials were required to accommodate the large number of students enrolled in the program due to this logistical nightmare. Support tutors were constantly repeating the procedures because the students often had difficulty viewing and hearing the demonstration the first time; consequently this process was inefficient and wasted valuable practice time.

SOLUTION

Either Macquarie University would reduce the class size, which wasn't an option, or outsource a professional team of audiovisual experts to accommodate the existing students. They rightfully chose the latter. Through the use of two Sony BRE300 remote control cameras, each student could now clearly see on all four plasma screens every important perspective of the procedures taught. This basically brought the class lessons to life through the use of innovative technology, courtesy of All Digital. Basically, this live feed was transmitted to a PC with ample disk space and DVD writer for recording purposes. This means that the students could easily access the material following the session, which enhanced the students' learning opportunities. Each plasma screen had a dedicated PC input that would allow lecturers to interface with their own laptop to conduct a local presentation. The bottom line is each student

now had audio and visual access to important lessons, thus bringing the lessons to them versus the having them crowd around a table.

OUTCOME

In the end, Macquarie University were very pleased with the results and innovation All Digital delivered. Our contact at Macquarie University said, "A few adjustments were made for unforeseen limitations but the final product was beyond our original vision. Most impressive was All Digital's ability and willingness to work with the department's pressing timeline. They met every deadline and

responded to additional requests in a friendly and timely manner. I highly recommend All Digital."

When asked if the project was adequately scoped, our contact at Macquarie University said, "The ability to allow our system to grow is important. We are discovering unforeseen utilizations that they can accommodate in the future (i.e. three cameras)."

ABOUT ALL DIGITAL

All Digital are the audiovisual experts and provide an extensive range of products, custom designs and expert installation for an unbeatable audiovisual experience.

With a wide range of products, All Digital can tailor audiovisual solutions for any educational application.

To learn more, check out All Digital at www.alldigital.com.au

