Computer Based Testing Overview

What is Computer Based Testing?

Computer based testing (CBT) is an efficient way to deliver tests securely via desktop computer, laptop, or tablet in the classroom. The potential benefits of implementing CBT include:

- familiarizing students with a computer based testing environment prior to taking high-stakes exams such as the NCLEX,
- reducing faculty workload by automatically grading objective question types immediately upon student completion, and
- providing a secure platform for conducting a review of results with students following the test.

Students use the free, University supported, Respondus LockDown Browser (RLDB) software to securely complete tests in Blackboard. While taking a test, the software prevents students from accidently exiting the browser, blocks them from accessing other websites/software, and prohibits copying elements of the test.

How does AI support CBT?

AI provides support by assisting faculty with deploying tests in the Blackboard environment, preparing their students to use CBT, sharing comprehensive faculty support guides, and offering on-call support during testing periods.

Faculty test support

AI provides supports the testing process by:

- converting your paper-based tests into an online format,
- configuring Blackboard test access setting to ensure that they match your course goals,
- creating back-up paper tests,
- providing on-call support during the testing period, and
- assisting with test question item analysis.

Faculty support guides

AI provides a CBT trouble-shooting guide for faculty that addresses the primary technology issues that may occur during a testing session and guidance as to how to resolve the issues. We are also in the process of developing other guides including CBT best practices.

Student preparation

Upon request, AI will provide faculty with the RLDB Student Prep Module for their Blackboard course that will guide the students through the technical requirements and how to install RLDB. Once installed, the student can check their configuration with a sample quiz to verify that the software has been installed correctly. In addition, AI staff can be available upon request to stop by the classroom during your first test to ensure that students are able to securely access their test.

Requesting AI services

AI requests that all faculty who are planning to use CBT to notify us so that we can ensure that you receive proactive and prompt support for your tests. Please use the online form (http://links.asu.edu/cbt-request) so that we can ensure that we are aware of your usage of CBT.