

# Managing and Securing Online Testing

Speakers:

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National League for Nursing



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for Nursing**

Taking Aim: Remote Teaching Challenges

# Webinar Speakers

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# Using Your LMS for Secure Online Testing

## Lock Down Browser (LDB)

A custom browser that locks the student computer to prevent them from searching the internet while the test is in progress. However, it does not prevent students from using other devices to search for answers--like phones or other computers.

## Respondus Monitor

An added layer of protection against cheating by using the student webcam to record the student during the test.

Monitor provides several safeguards- identification check, scan of the testing environment. The video provides a mechanism to review suspicious activity.



# Preparation for Faculty

Take advantage of the LMS training tools for faculty and students

Consider your teaching & testing philosophies, standards for fair testing (NLN, 2012) and best practices for assessment of higher level learning (Oermann & Gaberson, 2017).

- Can I use the same test I have used in the past?
- Have the changes in content delivery necessitated a change in the test?
- How am I communicating the essential content areas to students?
  - Content summaries
  - Review sessions

What do students need to know to meet the course outcomes? Program outcomes? Be ready for NCLEX?



# Preparation for Students

If students have never tested online, they need practice!

- Post a video that walks through the steps
- Give a practice quiz to help students learn the process
- Be available to help with issues

Recognize that students are struggling and anticipate meltdowns.

What can we do to support them and enhance success? Reduce anxiety?

- Crib notes, open-book testing are a few strategies to consider
  - Most of the answers are not 'in the book'

# Strategies to Maintain Test Security

## Test structure

- Place the academic policy statement in the test instructions
- Set the test timer
- Present questions one at a time
- Do not allow backtracking
- Randomize response options
- Randomize the questions by using test content banks or pools (Blackboard)
  - The LMS pulls the desired number of questions from each content pool
- Create more than one version of the test

## Test timing

- A shorter window is the safest for test security, but can create more barriers when students are testing at home--
  - Childcare issues
  - Work schedules
  - May overtax the LMS
- A longer window provides more flexibility for students to test when they can establish a quiet, distraction-free environment



# References

National League for Nursing [NLN], 2012. Fair testing guidelines for nursing education. Retrieved from <http://www.nln.org/docs/default-source/default-document-library/fairtestingguidelines.pdf?sfvrsn=2>

Oermann, M. H., & Gaberson, K. B. (2017). Evaluation and testing in nursing education. Springer Publishing Company.

# Promoting Exam Academic Integrity

## Utilize remote proctoring company

- ▶ Ex. ProctorU, Examity, Respondus
- ▶ Live proctoring vs Videotaping

## Utilize student authentication software

- ▶ Ex. ExamID, ProctorFree

## Utilize remote proctoring with video/web conferencing

- ▶ Ex. Zoom, Skype, GoToMeeting



# Lessons Learned

- Secure environment is impossible
- Securing enough proctors
- Not all faculty/students are tech savvy
- No one reads directions!!
- Simpler is better.

# Remote Student Testing Procedures

## PRIOR TO TEST

- Download your test as soon as you receive the email that the download is available
- Make sure your phone (or other device for zoom) and computer are fully charged (and/or attached to a power source). Make sure that the device you are using for Zoom is connected to wifi if available and you have a good signal (particularly if you have a data limit on your device). Your computer **MUST** have wifi enabled and available to take the exam.
- Set up a place to take the test where it is quiet, without distraction, and clean (nothing other than your computer, your zoom device, one piece of blank paper, and a pen/pencil).
- Read the testing rules (below).
- Take care of yourself – nutrition, rest, exercise



# Remote Student Testing Procedures

## DAY OF TEST

- You **MUST** arrive in the Zoom room 15 minutes **PRIOR** to the exam.
- Access your Zoom room by going to your Canvas course page and click on the zoom link posted.
- Students who receive testing accommodations should click on the appropriate zoom link on the Canvas course page.
- Sign into the chat in the Zoom room.
- Place your Zoom device so that the camera is facing you as you are taking the test. Remember – you **MUST** keep your eyes on the computer screen at all times unless you are writing on your scrap paper.
- Examsoft will verify your identity with face ID as you open the test and throughout the test. Complete your test. If you have problems during the test, type the issue in the chat box. One of the proctors will address the issue. If you have technical issues, one of the technical support proctors will give you directions for you to follow to allow them to help you troubleshoot. **DO NOT PANIC IF YOU HAVE PROBLEMS** – there will be several proctors in the Zoom room to help you.
- Show your green screen to the zoom camera before you exit. When you are done your exam, exit the Zoom room. We will be checking to make sure that tests are submitted in Examsoft as soon as you leave. If there is a delay in submitting your test for any reason, please notify the course faculty. You will not be able to review your exam after you are done. You will need to make an appointment with the tutor or your faculty for exam review.
- The Zoom room will be recorded – recordings of any student who appears to be distracted, eyes not on the computer screen or paper, will be reviewed with your course faculty and may result in a score of 0 for the test.
- Proctors may request to scan your environment as was done during the mock quiz.



# Remote Student Testing Procedures

## Test Environment Rules

- No other person is allowed to enter the room while you are taking the proctored exam.
- The lighting in the room must be bright enough to be considered “daylight” quality. Overhead lighting is preferred. If overhead lighting is not available, the source of light must not be behind you.
- You must sit at a clean desk or table.
- The desk or walls around you must not have any writing.
- The room must be as quiet as possible. Sounds such as music or television are not permitted.
- The following items must not be on your desk or used during your proctored exam, unless posted rules for the exam specifically permit these materials:
  - Books, Calculators, Textbooks, Notebooks
- One piece of white 8x11 scrap paper and a writing tool should be available.
- No food or drink in the testing area.
- You must dress as though you were in a public setting (no head coverings (including hoods from sweatshirts) unless it is a religious covering).
- You must not use headphones, ear buds, or any other type of listening equipment.
- You must not communicate with any other person by any means.
- You must keep your eyes on the computer screen.
- You must not leave the room during the exam for any reason



# Final Thoughts

## Reflections



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# Survey

Please share your thoughts on future webinar topics and speakers by completing the survey link shared in the chat box.

# Thank you for joining us!

The webinar recording will be posted on the Coronavirus Resource Center within two business days.

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# Thank you to our speakers!

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Next Webinar:  
Thursday, April 9 at 12 noon EDT

*Managing Nursing Assessment Remotely*

Presented by:

University of Texas at Arlington  
Senior Capstone Faculty

The George Washington University  
Graduate Adult Nurse Practitioner  
Program Faculty



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