Elsevier Adaptive Quizzing
Best Practices

Understanding the Two Types of EAQ

EAQ is available for your course in Sherpath while EAQ for NCLEX provides a separate bank of questions to help students expand on the content they've learned and push them to think critically.

Quiz Type	Sherpath (Course) EAQ	EAQ NCLEX
Question Content	Specific to the text *There is a separate bank of questions for each Sherpath course/text*	Global content, covering everything within a nursing program
What	Course companion	Program companion
When	In a specific course	Throughout the program
Why	Secure content knowledge	Apply content & strengthen clinical reasoning

Understanding Quizzing Options

Mastery assignments provide a personalized quizzing approach with the goal of having students answer increasingly difficult questions as they progress. There are 3 levels of Mastery: Novice, Intermediate, and Proficient.

Custom assignments allow the instructor or student to select a topic or topics and a specific number of questions for students to complete. Questions are randomly selected for each student based on their current Mastery level of the topic.

Custom by Question assignments allow the instructor to build a quiz by choosing questions relevant to the selected topic area. In this type of quiz, all students receive the same questions.

Cases/Items for NGN assignments may include 6-item unfolding case studies as well as stand-alone trend and bow-tie items. Review NGN questions and item types 🔗

How Does Mastery Work?

Assignments in EAQ can be created either by instructors or students. All questions answered – regardless of topic, assignment type, assignment creator – are calculated into the overall level of Mastery.

Students must consistently answer questions correctly at each level to achieve mastery. Questions are tagged to multiple topic areas, allowing students to build mastery in multiple topics on any assignment.

Achieving Mastery level takes time. Students should not expect to achieve proficient level mastery in one day. The quizzes are adaptive, providing each student a various number of questions to achieve the Mastery level goal.

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Optimizing EAQ in Sherpath

Instructor-Driven Success

- Ensure students understand how Adaptive Quizzing works and emphasize the benefits
- Make EAQ part of the weekly routine
- If covering multiple chapters per week, include both Mastery and Custom quizzes
  o 1 Mastery Quiz weekly for "most important" topics/concepts. Use HESI Focus Chapters as your guide. Intermediate mastery is recommended at minimum
  o 1-2 Custom Quizzes weekly for the remainder of the chapters. Multiple chapters/concepts can be included in a custom quiz
  o Include NGN Cases as appropriate. These are a great way to bring patients to class while helping students practice their clinical judgement
- Choose a few questions using the Custom by Question option in class each week to spark class and assist students with test-taking strategies

Student-Driven Success

Students can do additional quizzing at any time. Encourage them to set a goal to answer a minimum number of questions.

Students should prioritize topics of personal weakness and those of most importance on course exams for their self-study efforts.

⌨ **Share our tips for Mastery Quizzing in EAQ** for students to implement best practices while quizzing.

▶ **Students should review NGN items and key tips for success** to become more comfortable with answering complex questions.

EAQ Sherpath at a Glance

Quiz Type	Uses	Faculty or Student Driven	# of Questions	Recommendations		
				Study/Exam Mode	# of Quizzes/Wk	Grading Strategy
Mastery	Assignment • Prep for class • Prep for course exam/HESI	Both	Dependent on student performance	Study Mode	1 Intermediate	Pass/Fail
Custom	Assignment • Prep for class • Quiz after class • Prep for course exam • Course exam remediation	Both	Set by faculty/student	Either *(depending on use case)*	1-2 30-items	Scored
Custom by Question	In-class quiz	Faculty	Set by faculty	Exam Mode	Faculty discretion *(not weekly)*	Scored
NGN	Assignment In-class activity	Faculty	Set specific to each NGN case	Either *(depending on use case)*	Align with course content	Scored or Pass/Fail *(depending on use case)*

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Optimizing EAQ for NCLEX

Key Point: Studying for NCLEX is like training for a marathon, it takes a lot of practice and training. The goal of EAQ for NCLEX is for students to achieve higher levels of mastery on a wide variety of nursing topics as they move through their nursing program to promote optimal student performance.

HESI Preparation with EAQ for NCLEX

EAQ for NCLEX and HESI is a successful combination, with use of EAQ as test preparation leading to higher HESI scores and first-time NCLEX pass rates (Gouveia, 2022). Students can practice answering NCLEX style questions and receive feedback and rationale for immediate remediation.

HESI Specialty Exam Preparation

- **We recommend faculty create a 50-item custom quiz** in the associated content or specialty area as a practice test prior to taking the HESI Specialty Exam

- **Consider creating a second practice test** for students who do not achieve a passing score on the first attempt

- **We also recommend using the associated NGN case items** in class or assigning them prior to taking the HESI Exam

- **Students can self-quiz,** minimally reaching novice/optimally reaching intermediate mastery in the associated content or specialty area prior to their exam

HESI Exit Preparation

- **We recommend faculty create a 100-item custom quiz** that includes all the Client Needs categories for a practice test.

- **Consider creating a second practice test** for students who do not achieve a passing score on the first attempt.

- **Remember, every question is tagged** to the appropriate Client Needs Categories, so students should show some mastery in Client Needs if they have been quizzing through the program

- **Students can self-quiz,** minimally reaching novice/optimally reaching intermediate mastery in all Client Needs categories prior to the HESI Exit exam.

NCLEX Preparation
Students can continue to work toward proficient level mastery in all client need categories as part of preparation for NCLEX. Encourage students to focus on categories of individual weakness, based on HESI exam results.

Best Practices

HESI Remediation with EAQ for NCLEX

Incorporating Elsevier Adaptive Quizzing for NCLEX into remediation provides students with an opportunity to apply the content that they've reviewed and assess that learning has occurred. Students should focus on the associated content/specialty area for a HESI Specialty exam and for the HESI Exit exam, they should quiz in the Client Needs categories.

EAQ for NCLEX in Lab/Clinical

Elsevier Adaptive Quizzing for NCLEX is also a great addition to skills lab, simulation, and clinical. Consider a 25-question custom quiz relevant to the lab experience or simulation/clinical patient. Quizzes can be faculty or student created, allowing flexibility and an individualized experience for each student. Using EAQ for NCLEX in this way takes the burden off the course faculty while incorporating patient-specific NCLEX-style quizzing in the patient-care settings. It is also a way to add an objective measure to lab, sim, and clinical assessments.

EAQ for NCLEX at a Glance

Quiz Type	Uses	Faculty or Student Driven	# of Questions	Recommendations		
				Study/Exam Mode	# of Quizzes/Wk	Grading Strategy
Mastery	Prep for HESI Specialty exams • RN/PN content or Speciality categories Prep for HESI Exit Exam & NCLEX • Client Needs categories	Both *recommend student driven*	Dependent on student performance	Study Mode	Minimum Novice prior to HESI	Student Driven or Pass/Fail
Custom	Prep for HESI Specialty exams • RN/PN content or Speciality categories Prep for HESI Exit Exam & NCLEX • Client Needs categories	Both *recommend faculty driven*	Set by faculty/student *recommend 50 item quizzes before HESI Specialty exams; 100 item quizzes before HESI Exit exam*	Either *(faculty discretion)*	1-2 HESI Practice Tests	Scored
Custom by Question	In-class quiz Questions for class discussion	Faculty	Set by faculty	Exam Mode	Faculty discretion	Scored
NGN	Assignment In-class activity	Both	Set specific to each NGN case	Either *(depending on use case)*	Align with course content	Scored or Pass/Fail *(depending on use case)*