

Customized Assessment Services

Katherine M. Padilla, MD
Medical Neuroscience Course Director
Assistant Professor
Neurology Section
University of Puerto Rico

CAS

- Helps to create examinations tailored to our curriculum
- The exams can be built:
 - Discipline-based: ei, Neuroscience
 - Organ-system
 - Problem-based
- Pool of items covering different topics tested in basic science
- Available through the secure NBME Services Portal (NSP)

How CAS help me with my course?

- Identify gaps in my curriculum
- Refine course objectives
- Identify redundancy
- Understand the way the students are tested -> STEP1?
- Understand the score categories in an standardized exam

How I am using CAS in my curriculum

- It has a role as a **complement** to my institutional exams

Key Staff Roles

- Executive Chief Proctor
- Test Construction Coordinator... *US*
 - Course Directors
- Faculty


Test Construction Coordinator

- Recruit faculty to participate in the process
- Generate the test for faculty review
- Refine the test
- Confirm the exam

Test Construction Activities

**NBME**[®]
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Welcome


Test Construction Process:

- (1) Creating the blueprint- test specifications
- (2) Generating the exam and reviewing/refining it
- (3) Identify the score categories to be reported
- (4) Regenerating the exam if necessary
- (5) Previewing the exam prior to test administration

Welcome to the NBME[®] Customized Assessment Services

Creating your customized test is easy using our handy step-by-step menu below. Click "more info" for details or "view demo" for a menu of demonstrations for a particular step. Click "Begin" on any step to proceed. Context-sensitive help is available by clicking the [Need Help?](#) link at the top-right of each screen as you proceed through the application.


1 **Blueprint**
your test



[more info](#)
[view demo](#) **Begin**

Blueprinting creates your test "skeleton". You may build by discipline or organ system and specify the content areas from which you want the software to select questions. Additionally, you may specify picture and vignette specifications.


2 **Generate and Review**
your test



[more info](#)
[view demo](#) **Begin**

Once you approve your blueprint, you will generate a draft test from it, review the software-selected questions and substitute or mark items for replacement where necessary. Additionally, you may define score categories for your test.

3 **Regenerate**
(optional) your test



[more info](#)
[view demo](#) **Begin**


You have already generated your test, but you would like to replace items or add additional items from existing or new content areas.

4 **Preview**
your test




[more info](#)
[view demo](#) **Begin**


Your test is approved, locked and ready to be delivered at a proctored test center over a secure internet connection. You may now see a "sneak peek" of the test in its final form the way examinees will see it.

 Do not use the navigation on your internet browser while in the NBME application. This may cause an error and force you to close the browser.

Test Construction Activities

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Tutorials are great!!!


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1

Blueprint

your test



more info

view demo

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1

To get started... what do we need?

- **Content organization:** discipline or organ system?
 - We can combine exams from different course directors into a single test integrated test
- Target **number of items:**
 - groups of 25 items: 25, 50, 75, etc.
 - can be changed later while refining the exam
 - I would probably recommend to chose a higher number, so you can have more items for possible substitutions
- **Name of the exam:** Neuroscience Block #1- 4/3/2017

1

To get started... what do we need?

- **Print** the content specifications
 - **Prior exams** and/or **activity objectives** to be tested can be helpful in the selection of numbers of questions per topic
- Images, patient vignettes, and experimental vignettes can be included
- Then... **Approve** the blueprint

1

Blueprint
your test



[more info](#)
[view demo](#)

Begin

Blueprinting creates your test "skeleton". You may build by discipline or organ system and specify the content areas from which you want the software to select questions. Additionally, you may specify picture and vignette specifications.

2

Generate the draft

- Right after the blueprint is approved
- Confirming the name, providing e-mail, and initiating exam
- Within **one hour**:
 - NBME test construction software will generate a draft
 - Duplicates the pool for substitution purposes

2

Generate and Review
your test



[more info](#)
[view demo](#)

Begin

Once you approve your blueprint, you will generate a draft test from it, review the software-selected questions and substitute or mark items for replacement where necessary. Additionally, you may define score categories for your test.


2

Refine the Exam

- It is the **most involved stage**
- Review item content
 - Variety attributes, such as item and exam difficulty, tags, and score categories
 - Notes
 - Helpful to pair the question with the activity objective while reviewing with i
 - Specifying reasons for substitution
- We can use pool to replace items

2

Generate and Review
your test



[more info](#)
[view demo](#)

Begin

Once you approve your blueprint, you will generate a draft test from it, review the software-selected questions and substitute or mark items for replacement where necessary. Additionally, you may define score categories for your test.


3

Regenerate the Exam

- When items available for selection are unsatisfactory
 - Replaces the dropped items

3

Regenerate
(optional) your test



[more info](#)
[view demo](#)

Begin

You have already generated your test, but you would like to replace items or add additional items from existing or new content areas.

4


Preview the Exam

- For final content check
- To assure pacing is accurate

4

Preview

your test



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Begin

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Score Reporting

- In my experience.... It is available in **48 hours**
- Score reports, individual student performance profiles, and item analyses for each examination

Students Feedback

- They have told me that liked the experienced... will wait for feedback in course evaluation



