

Checklist for NIQB QR Modules

Teams are encouraged to use the module template document that is posted on the NIQB website:

<https://niqb.umbc.edu/niqb-community/quantitative-reasoning-modules/>

LEARNING OBJECTIVES			
Criterion	Needs work	Partially done	Done well
Learning objectives describe measurable actions students can take			
Biological topic of module is a significant, non-trivial issue that is addressed in the course			
Quantitative skills required for the module are appropriate for the course prerequisites			
<i>For any items marked "partially done" or "needs work", please provide comments to the module development team on ways that they can improve their learning objectives:</i>			
ASSESSMENTS			
Criterion	Needs work	Partially done	Done well
Quantitative questions in the module align to quantitative learning objectives and goals			
Biology questions/content in module align to the biology-related learning objectives of the module			
<i>For any items marked "partially done" or "needs work", please provide comments to the module development team on ways that they can improve their assessment plans:</i>			

OVERALL MODULE			
Criterion	Needs work	Partially done	Done well
Sequence or “story” of module is motivating via real-world application or other mechanism			
Quantitative questions are well-integrated with the biological topic, not added “just to be quantitative”			
Pre-work prepares students for the quantitative work of the module and is appropriate for the institutional course pre-requisites			
An answer key has been provided and checked by both biologists and mathematicians			
The module contains all of the following sections: 1) learning objectives (and alignment to competencies); 2) module characteristics; 3) pre-work; 4) module questions and answers; 5) 1 required summative assessment question and 1-3 suggested additional assessment questions, with their alignment to the module learning objectives and quantitative competencies; 6) guidelines for implementation; 7) names and information for module developers/team members			
Module has been checked for spelling, punctuation and grammar and labeling of tables and figures			
<i>For any items marked “partially done” or “needs work”, please provide comments to the module development team on ways that they can improve their module:</i>			

