Building effective quizzes in CANVAS

Presented at UW-Superior's Enhancement Day
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Objectives

This presentation will walk participants through building a quiz in CANVAS. It will cover the various aspects:

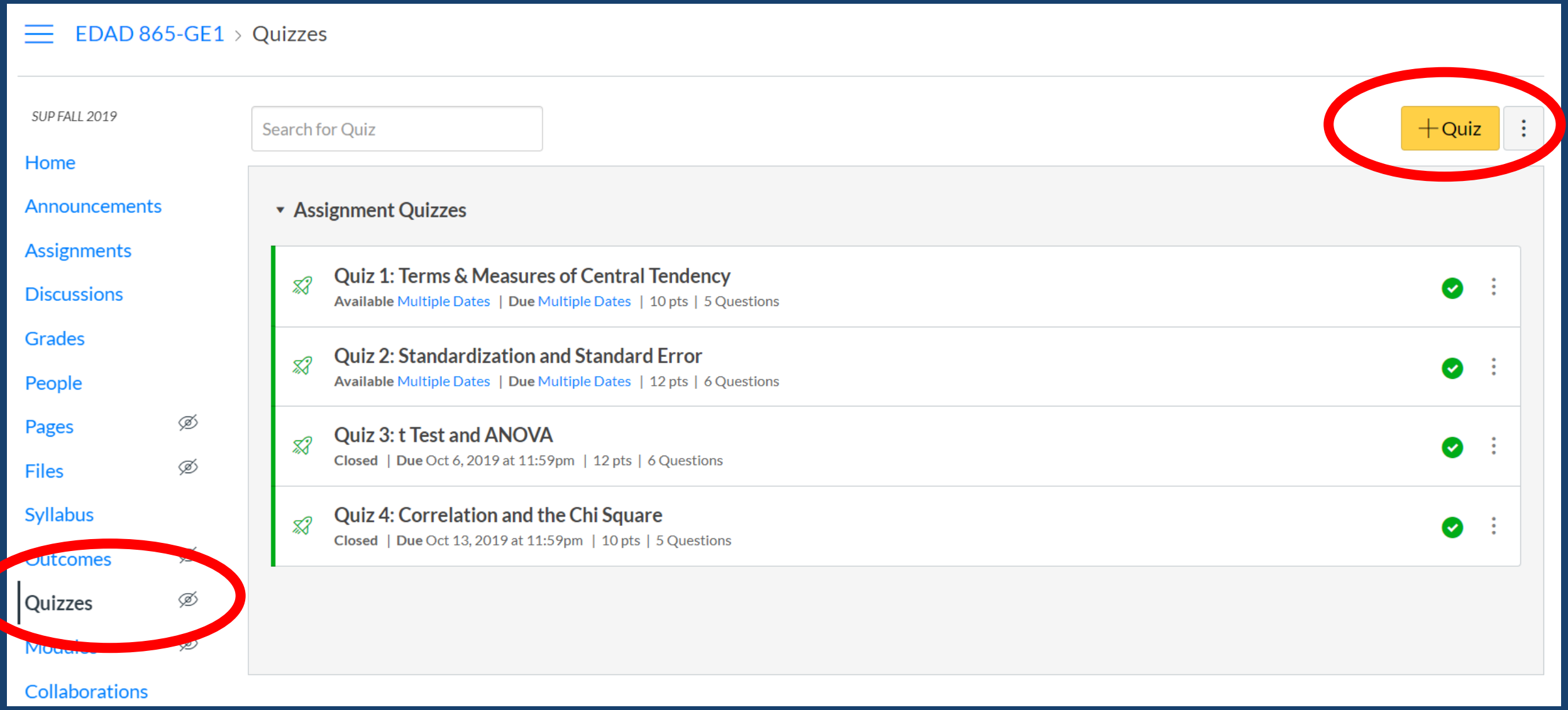
- setting a quiz up
- determining how to set time and randomization parameters
- provide for alternative “correct answers”
- best practices in developing online quizzes

Quiz Basics

Before You Start

Be able to answer the following:

- Graded v. Practice Quiz; Also could be a survey
- Will it be added to an Assignment Group?
- Do you want randomized questions? Randomized answers?
- Time limit?
- Multiple attempts?
- Show students answers?
- Require an access code or restrict IP address?


EDAD 865-GE1 › Quizzes
SUP FALL 2019
Home
Announcements
Assignments
Discussions
Grades
People
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Outcomes
Quizzes
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Collaborations
Search for Quiz
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Assignment Quizzes
Quiz 1: Terms & Measures of Central Tendency
Available Multiple Dates | Due Multiple Dates | 10 pts | 5 Questions
Quiz 2: Standardization and Standard Error
Available Multiple Dates | Due Multiple Dates | 12 pts | 6 Questions
Quiz 3: t Test and ANOVA
Closed | Due Oct 6, 2019 at 11:59pm | 12 pts | 6 Questions
Quiz 4: Correlation and the Chi Square
Closed | Due Oct 13, 2019 at 11:59pm | 10 pts | 5 Questions

Points 0 Not Published

Details Questions

Unnamed Quiz

Quiz Instructions: HTML Editor

12pt Paragraph

0 words

Quiz Type Graded Quiz

Assignment Group Assignments

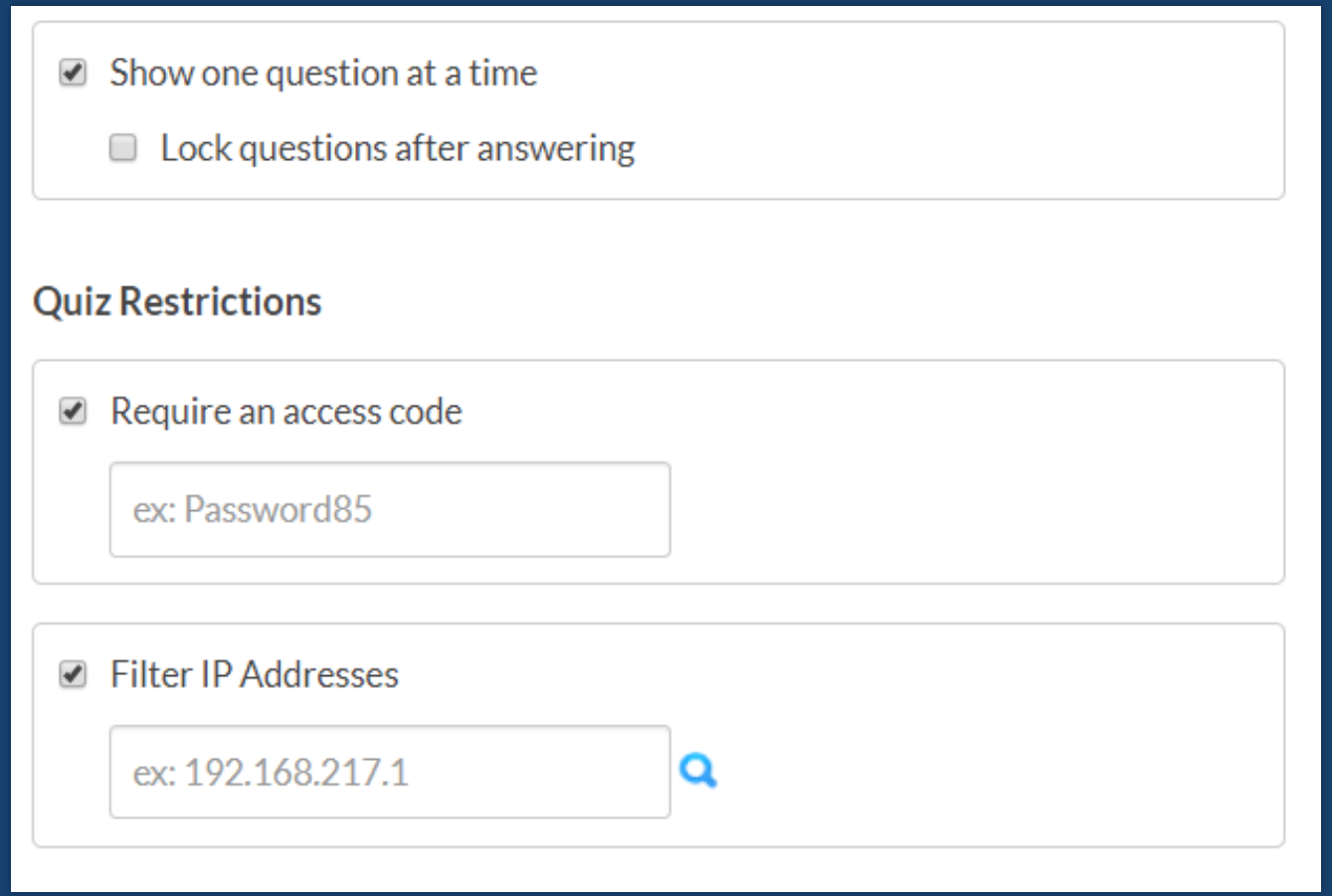
Options

- [ ] Shuffle Answers
- [ ] Time Limit _____ Minutes

- [x] Allow Multiple Attempts
  - Quiz Score to Keep: Highest ▾
  - [ ] Allowed Attempts: --

- [x] Let Students See Their Quiz Responses (Incorrect Questions Will Be Marked in Student Feedback)
  - [ ] Only Once After Each Attempt
  - [x] Let Students See The Correct Answers
    - Show Correct Answers at _____ 📅
    - Hide Correct Answers at _____ 📅

Securing the Quiz



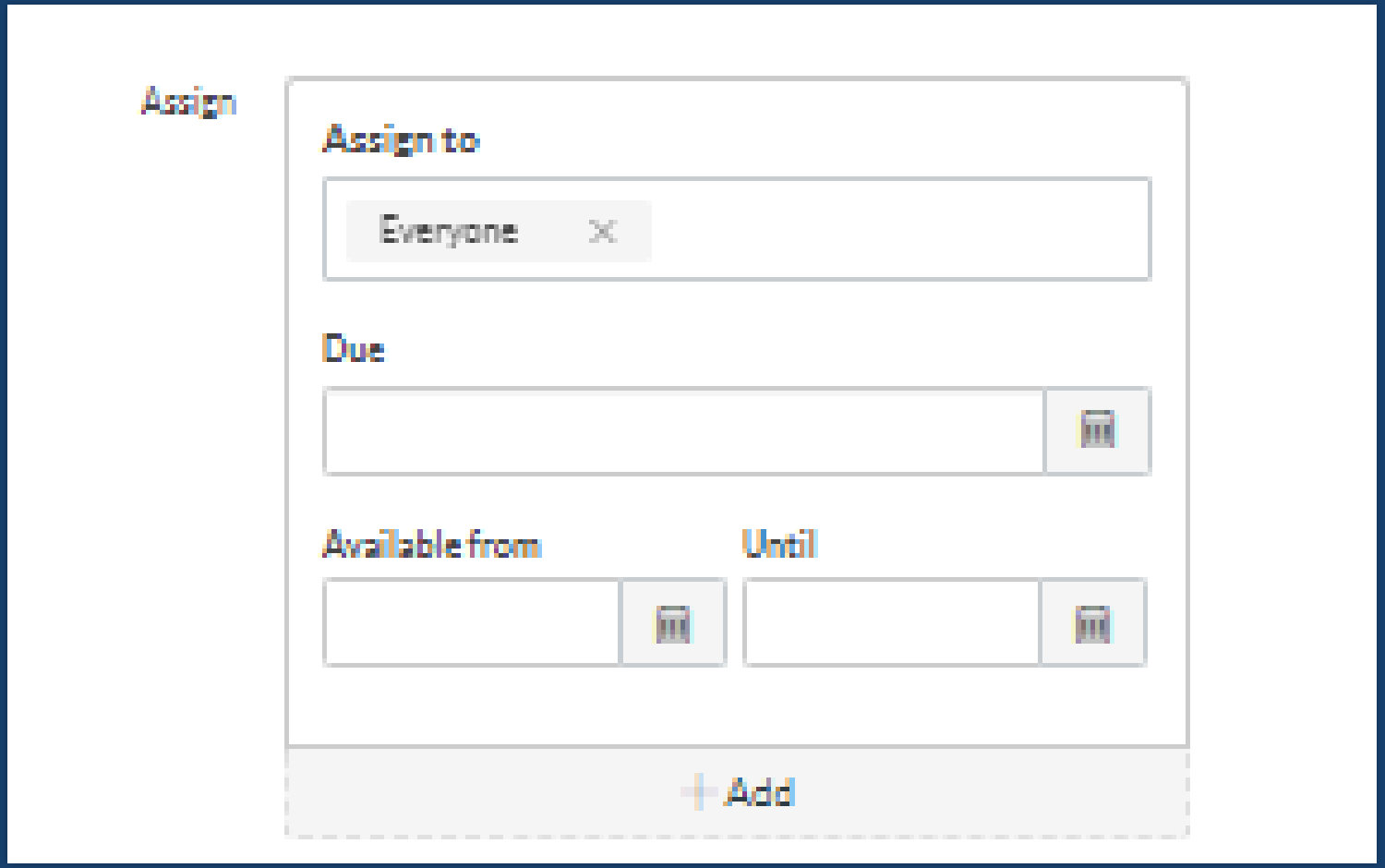
Proctoring Tools

The Digital Strategies Team is working to pilot two proctoring tools:

- Examity
- Honorlock

If you are interested in participating in this limited pilot, please contact Michael Bartlett

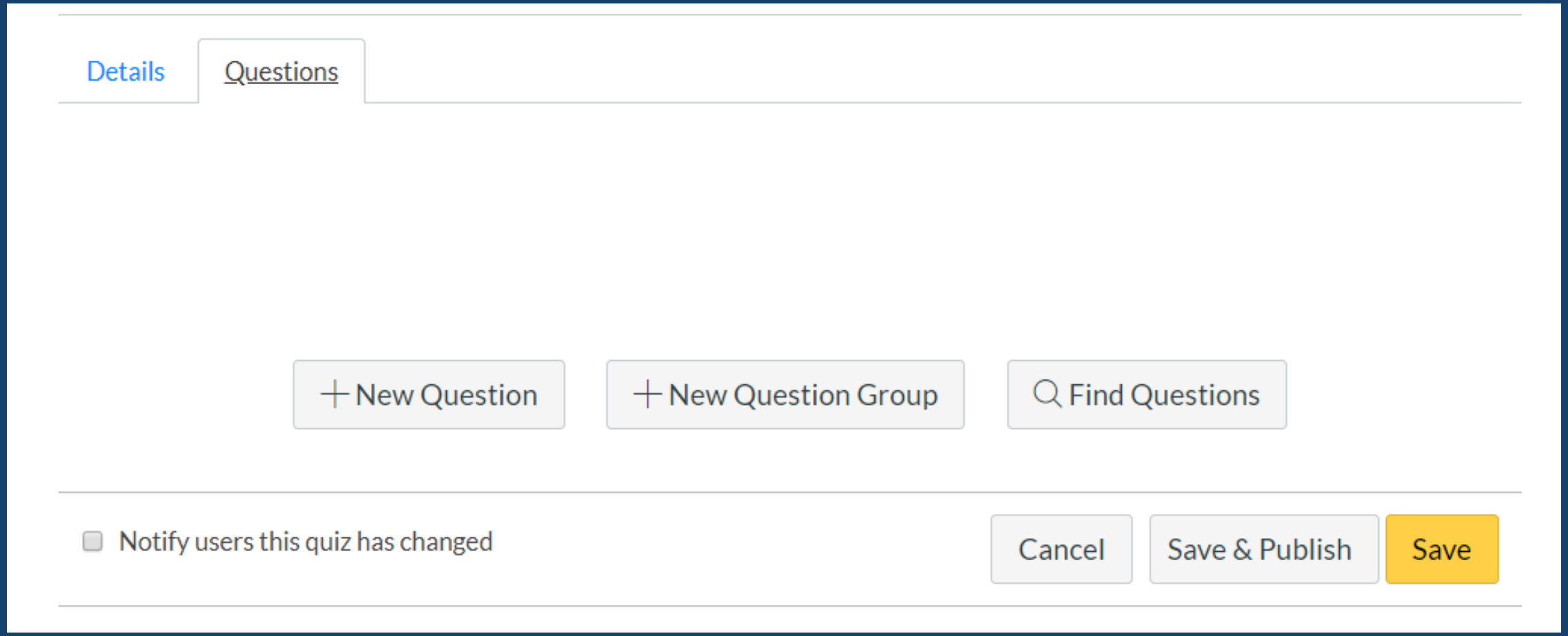
Due Dates and Access



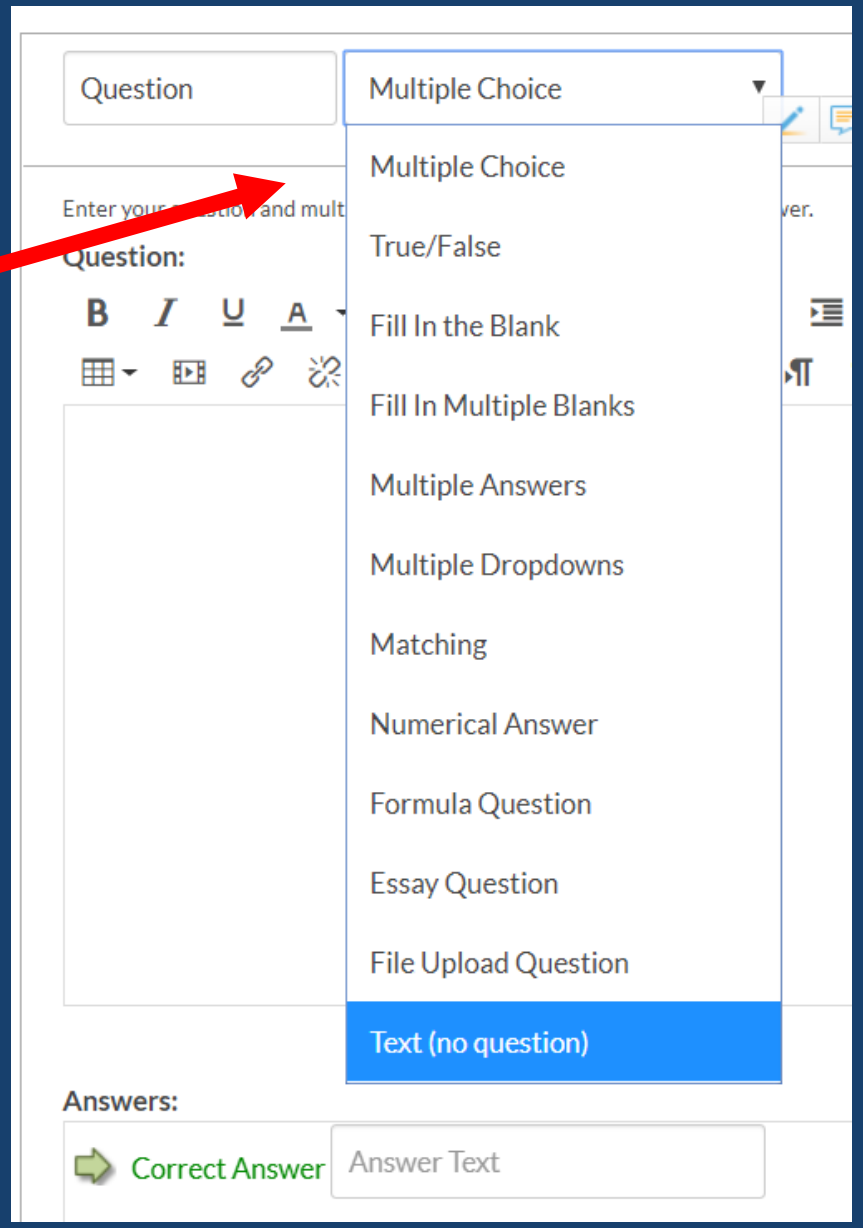
Adding Questions

Three Ways to add Questions

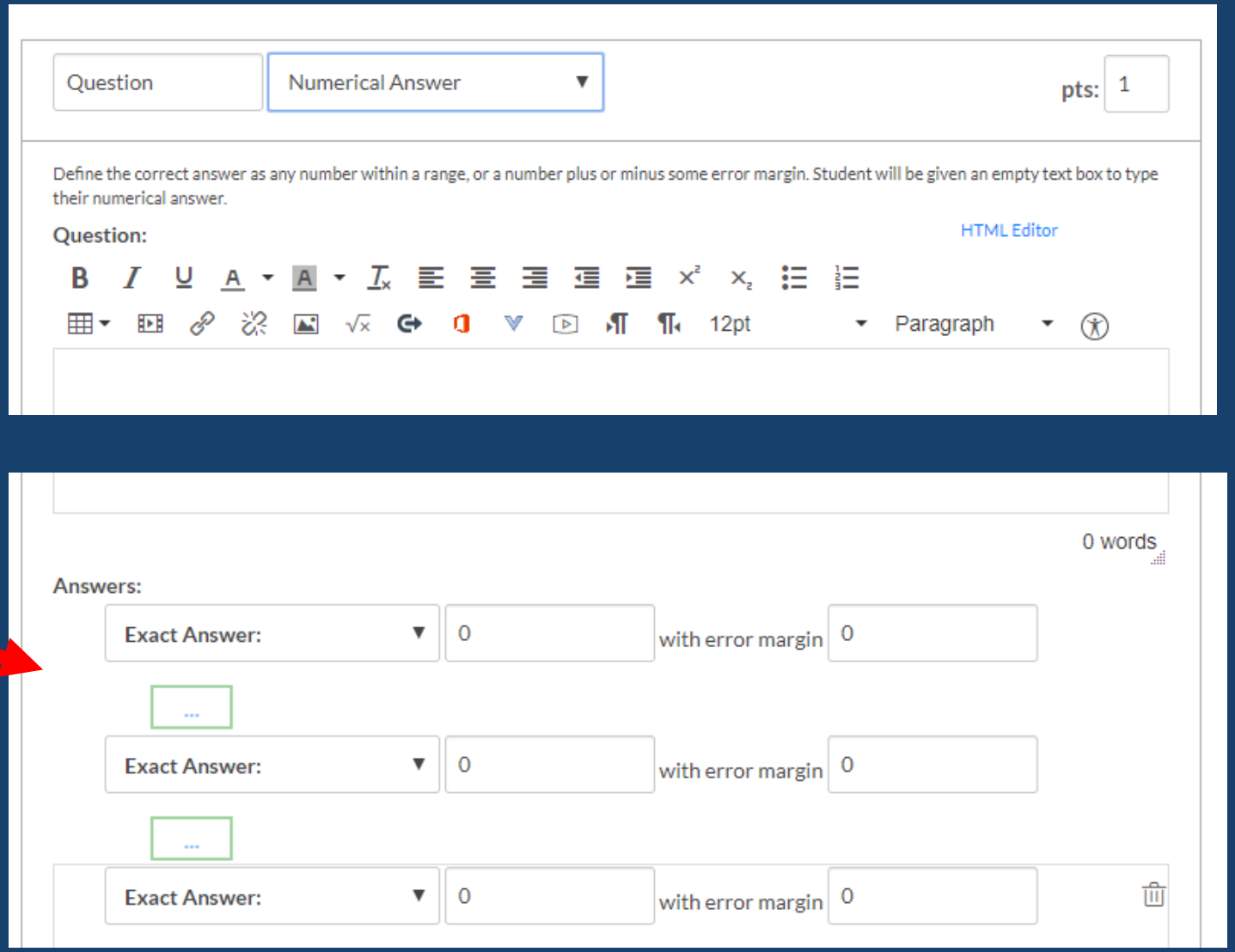
- Individual Questions
- Question Groups
- Questions from a Question Bank

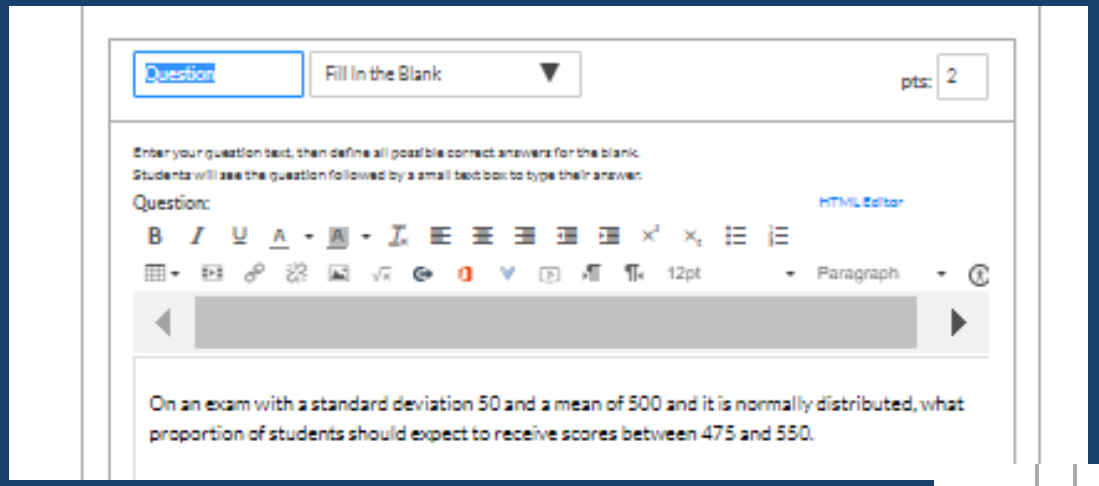

Details
Questions
New Question
New Question Group
Find Questions
Notify users this quiz has changed
Cancel
Save & Publish
Save

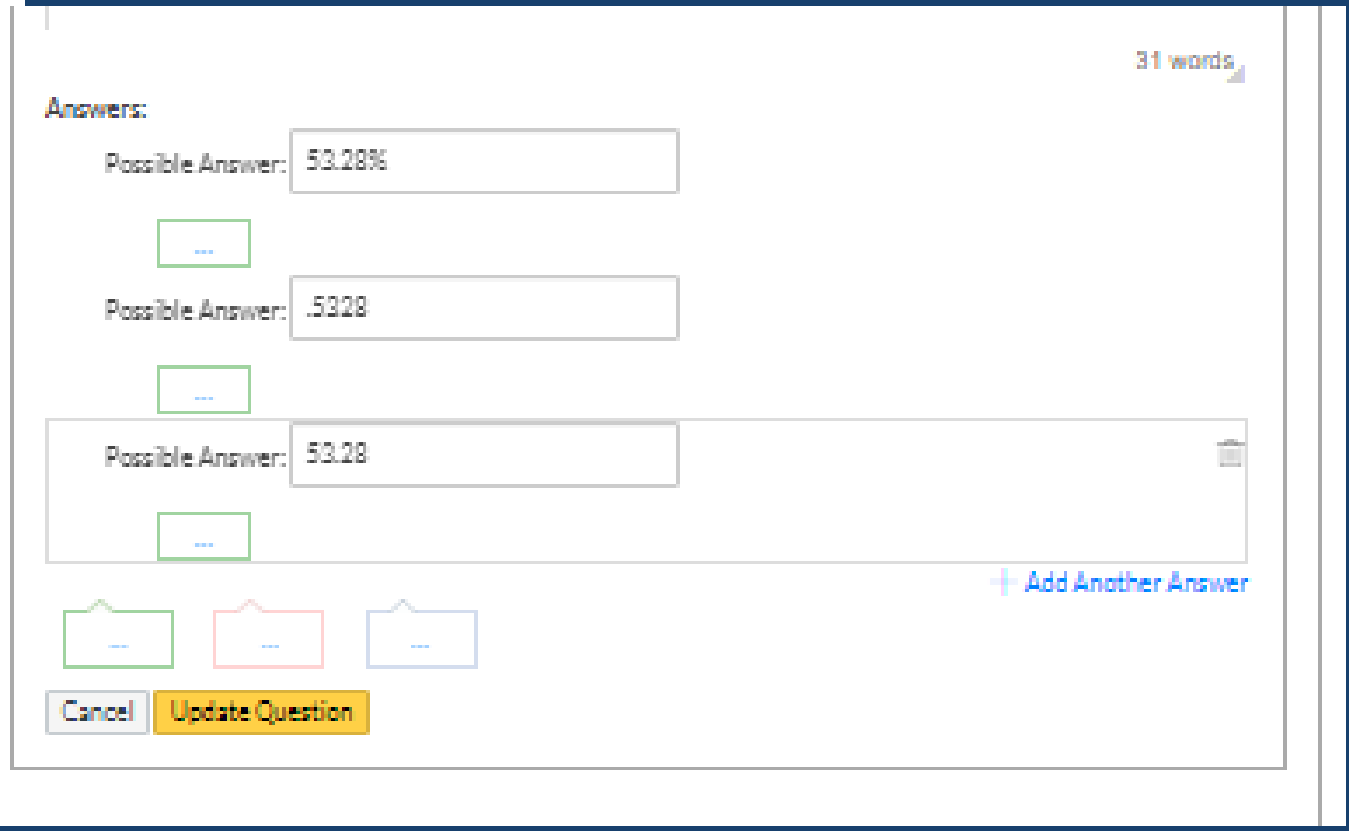
Question Types



Answer fields change by question type




Question
Fill In the Blank
pts: 2
Enter your question text, then define all possible correct answers for the blank.
Students will see the question followed by a small text box to type their answer.
Question:
HTML Editor
12pt
Paragraph
On an exam with a standard deviation 50 and a mean of 500 and it is normally distributed, what proportion of students should expect to receive scores between 475 and 550.


31 words
Answers:
Possible Answer: 53.28%
Possible Answer: .5328
Possible Answer: 53.28
Add Another Answer
Cancel
Update Question

Question Group

- Allows you to place individual questions within a group.
- This allows you to select how many of the questions each student will receive

Details | Questions

Group | Pick 1 questions, 1 pts per question

Link to a Question Bank

Cancel | Create Group

+ New Question | + New Question Group | Find Questions

Notify users this quiz has changed

Cancel | Save & Publish | Save

Standard Deviation Pick 3 questions, 2 pts per question

Cancel Update Group

Question

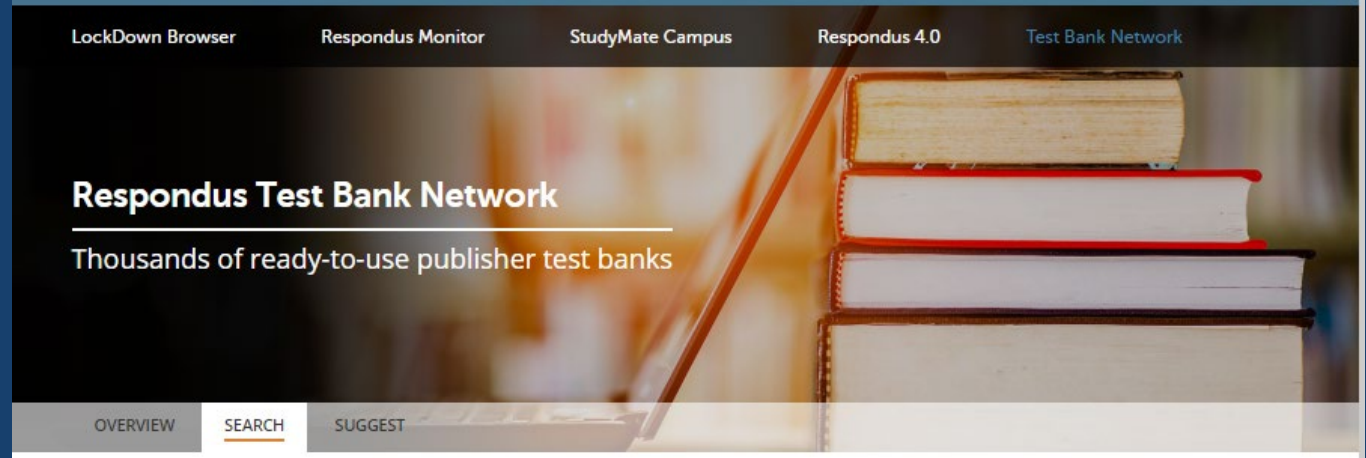
Suppose that to enter the Gifted and Talented Program in an elementary program, children must be at least 3 standard deviations above the mean in terms of their test scores. What percentage of those who apply would you expect to actually make it into the program?

Question

Respondus
Assessment Tools for Learning Systems

Solutions for Higher Ed

LockDown Browser | Respondus Monitor | StudyMate Campus | Respondus 4.0 | Test Bank Network



Respondus Test Bank Network

Thousands of ready-to-use publisher test banks

OVERVIEW | SEARCH | SUGGEST

Search for a Test Bank

Publisher test banks for use with Respondus applications are available for many of the leading textbooks in higher education. Instructors who adopt a participating textbook can obtain a ready-to-use test bank that is compatible with their Respondus or Respondus LE software.

Use the search form below to see which textbooks are available.

Textbook Title

Author's Last Name

Keywords (Discipline, Course Name, etc.)

Search by publisher

All Publishers ▼

Some Cautions

- Analytics are not available for quizzes over 100 questions
- Analytics is available for up to 1000 attempts (for those with multiple attempts)
- Some grade analysis requires at least five student responses

CANVAS Quiz Analytics

Student Analytics Report

- A CSV file including all student answers identified as correct or incorrect
- N correct for each student
- N incorrect for each student
- Total score for each student

Item Analysis Report

- question ID
- question title
- answered student count
- top student count (students in the top 27%)
- middle student count (students in the middle 46%)
- bottom student count (students in the bottom 27%)
- quiz question count (total number of quiz questions)
- correct student count (number of total students who got the answer right)
- wrong student count (number of total students who got the answer wrong)

Item Analysis, cont.

- correct student ratio (ratio of students who got the answer right)
- wrong student ratio (ratio of students who got the answer wrong)
- correct top student count (students in the top 27% who got the answer right)
- correct middle student count (students in the middle 46% who got the answer right)
- correct bottom student count (students in the bottom 27% who got the answer right)
- variance (of scores on this question)
- standard deviation (of scores on this question) difficulty index
- alpha score (for the whole exam)
- point biserial of the correct answer (reliability index)
- point biserial of the first incorrect answer or distractor (followed by the second, etc.)

Resources

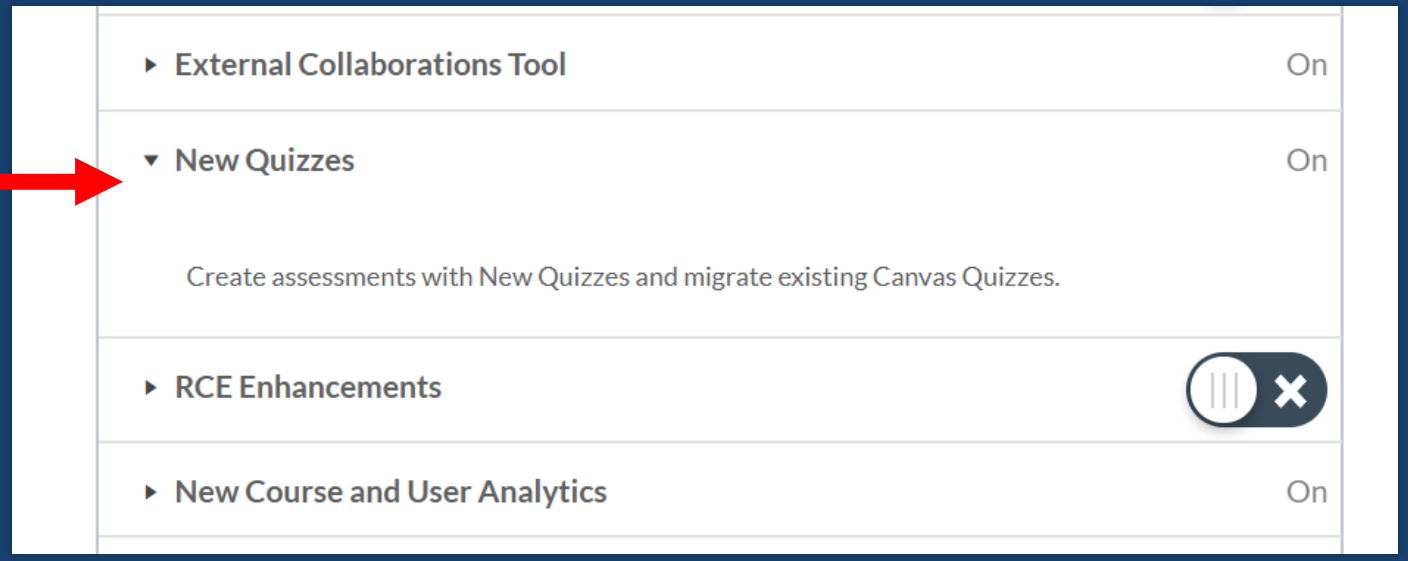
- CANVAS. (2017, April 19). What options can I set in a quiz? Retrieved from https://community.canvaslms.com/docs/DOC-10152-415241475.
- CANVAS. (2019, May 29). Quiz settings to maximize security. Retrieved from https://community.canvaslms.com/docs/DOC-3313-quiz-settings-to-maximize-security.
- Glen Oaks Faculty. (2017, March 21). Building a quiz in CANVAS that decreases cheating. Retrieved from https://www.youtube.com/watch?v=KbX6kPNdEUg.
- Gniffke, D. (2016, August 27). Canvas - how to use question banks with quizzes. Retrieved from https://www.youtube.com/watch?v=OIkrEtzC6P4.
- Johnston, J. (2016, September 9). Creating a quiz in CANVAS. Retrieved from https://www.youtube.com/watch?v=pGKQCGuB3NI.
- Kansas State. (2018). Designing better quizzes: Ideas for rethinking your quizzes. Madison, WI Magna Publications. Retrieved from https://www.k-state.edu/assessment/toolkit/measurement/Special-Report-designing-better-quizzes.pdf.

Resources

- Lake Land College. (2019). Importing quiz questions into CANVAS. ISS Tutorials. Retrieved from https://lakeland.instructure.com/courses/1455362/pages/importing-quiz-questions-into-canvas.
- Respondus: Assessment tools for learning systems. (2019). Retrieved from https://web.respondus.com/he/testbank/search/.
- 3A Ninjas. (2016, August 11). Importing testbanks into Canvas. Retrieved from https://www.youtube.com/watch?v=d_FaRlZU9gY.

New Quizzes

Under SETTINGS select FEATURE OPTIONS

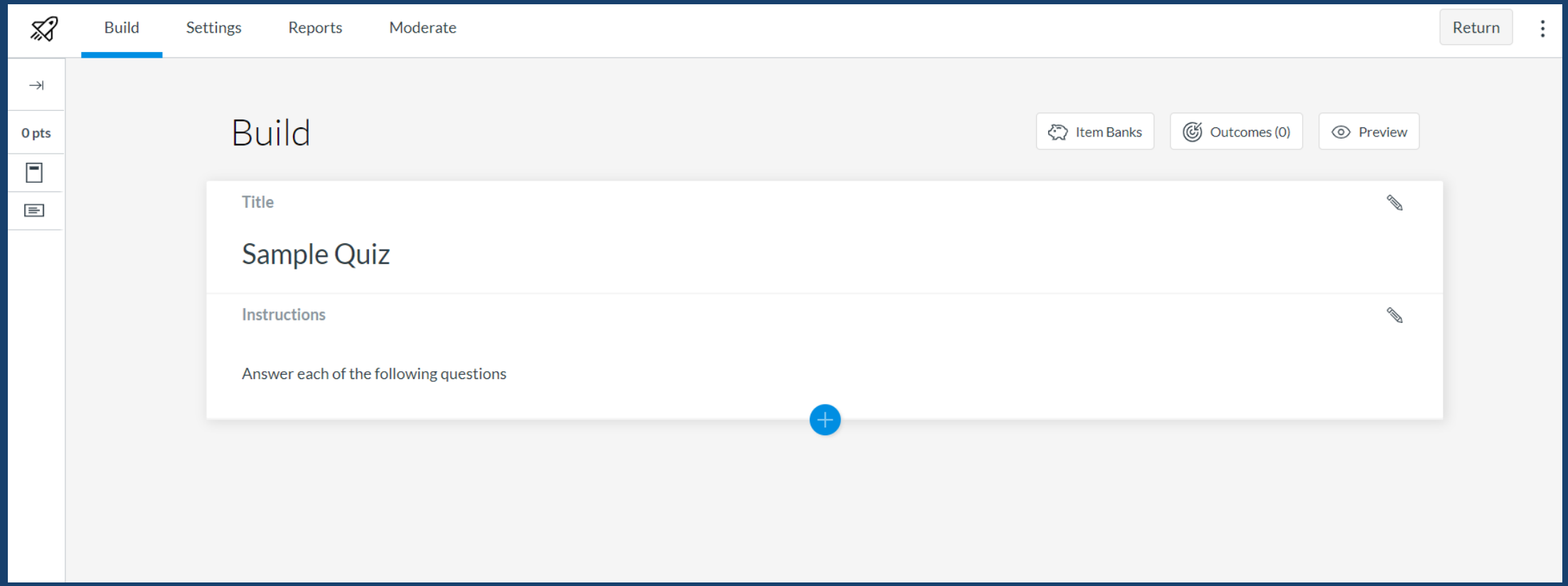


CANVAS. (2018). How do I migrate a CANVAS quiz to New Quizzes. Retrieved from https://community.canvaslms.com/docs/DOC-15077-4152837155

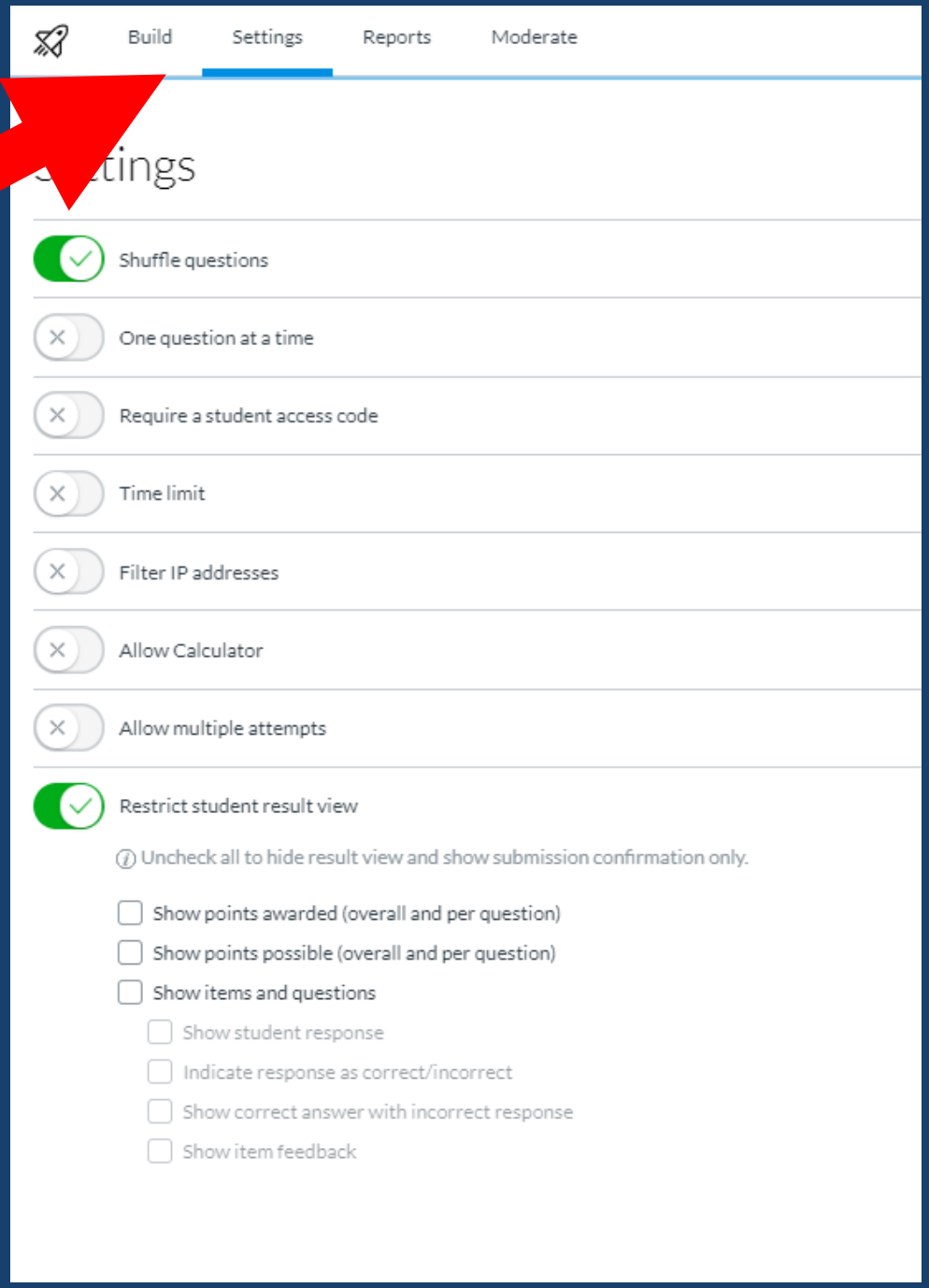
CANVAS. (2019). Canvas instructor guide. Retrieved from https://community.canvaslms.com/docs/DOC-10460-canvas-instructor-guide-table-of-contents#jive_content_id_New_Quizzes.

New Quiz Overview

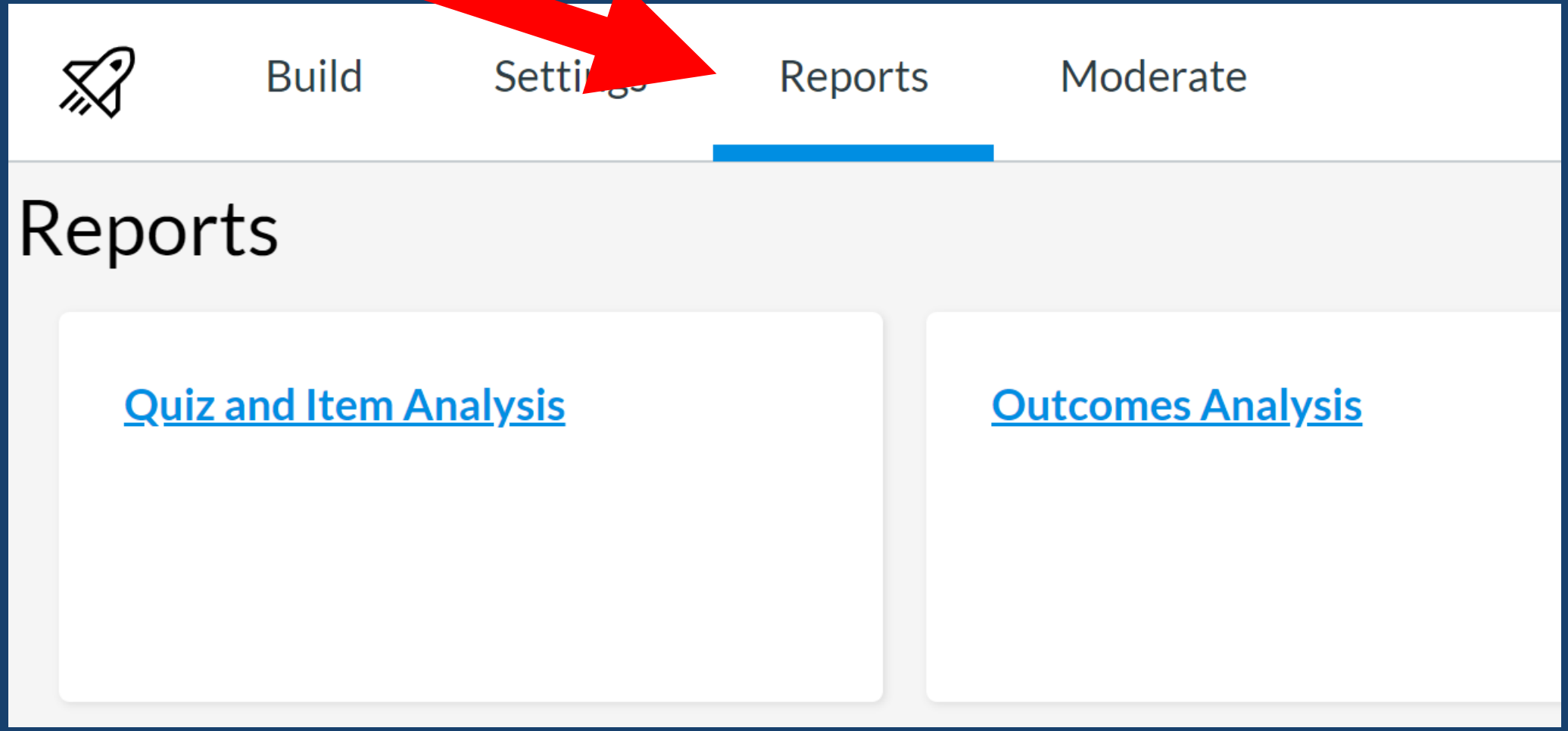
Opening Page for New Quiz



Settings


Build
Settings
Reports
Moderate
tings
Shuffle questions
One question at a time
Require a student access code
Time limit
Filter IP addresses
Allow Calculator
Allow multiple attempts
Restrict student result view
Uncheck all to hide result view and show submission confirmation only.
Show points awarded (overall and per question)
Show points possible (overall and per question)
Show items and questions
Show student response
Indicate response as correct/incorrect
Show correct answer with incorrect response
Show item feedback

Reports


Build
Reports
Moderate
Reports
Quiz and Item Analysis
Outcomes Analysis