Login to Graphicacy

Login to https://graphicacy.uoregon.edu/and click "Login" to log in with your **Duck ID.**
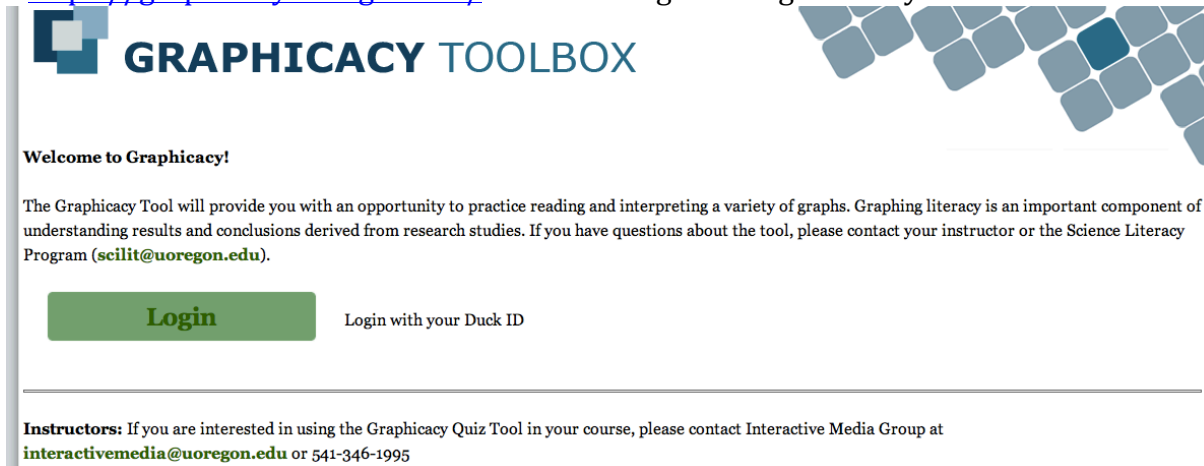
This will take you to the instructor interface.

Access the Instructor Interface

1) On the instructor interface, you will see the following:
   - **Instructor Help link** – takes you to a help page with videos and documentation on how to use the Graphicacy Toolbox.
   - **The Course Information** - includes the course code, title and CRN.
   - **The "Student Access" button** - will allow you to view any of your course quizzes as a student. **NOTE**: If you submit answers to quiz questions from within the student view, your results will be recorded into the system.
   - **"Add Quiz" link** – allows you to add a new quiz to a course.
   - **"Show Quiz" link** – displays all the quizzes that have been created for that specific course.
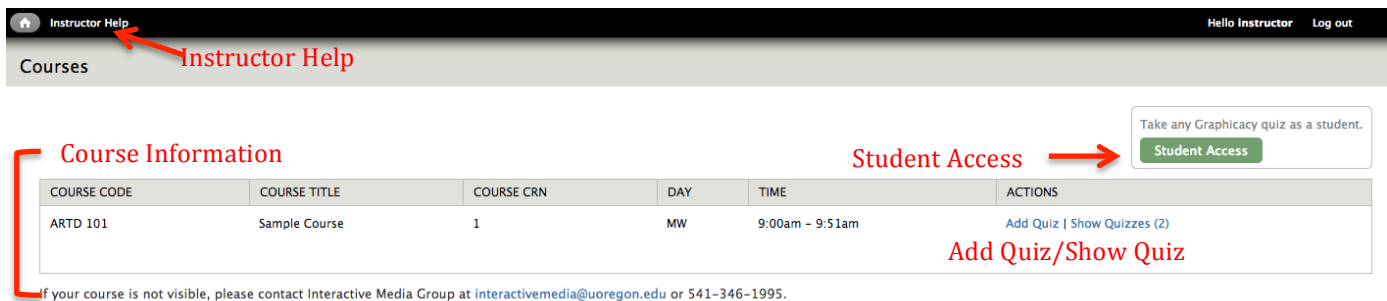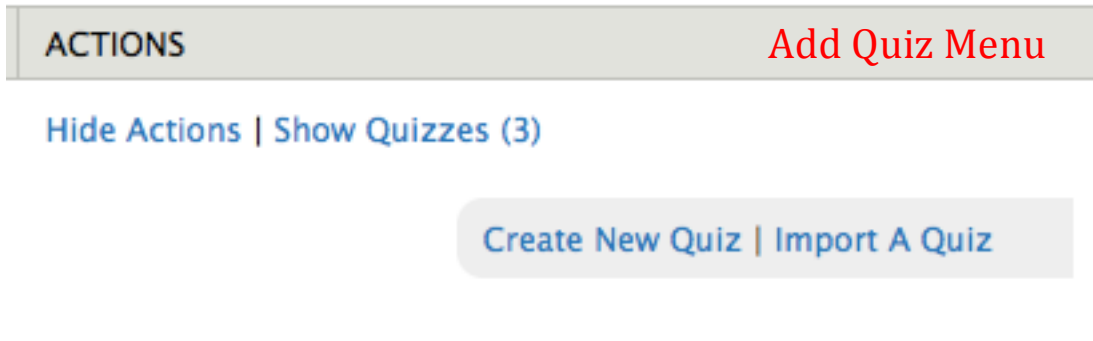

2) **NOTE: If no courses appear in your course list,** please contact *SLP.*

   scilit@.uoregon.edu
   - 541-346-8982

Add a New Quiz
- To add a new quiz to a course, click "Add Quiz."
- There are two ways you can add a quiz to a course - "Create New Quiz" or "Import A Quiz."

1) You can import an existing quiz from a previous course.
   a. To do this, click "Import A Quiz" from the "Add Quiz" box.
   b. Select the quiz you would like to import from the dropdown menu and click the "Import the Quiz" button.

   NOTE: You can only import quizzes you have previously created.
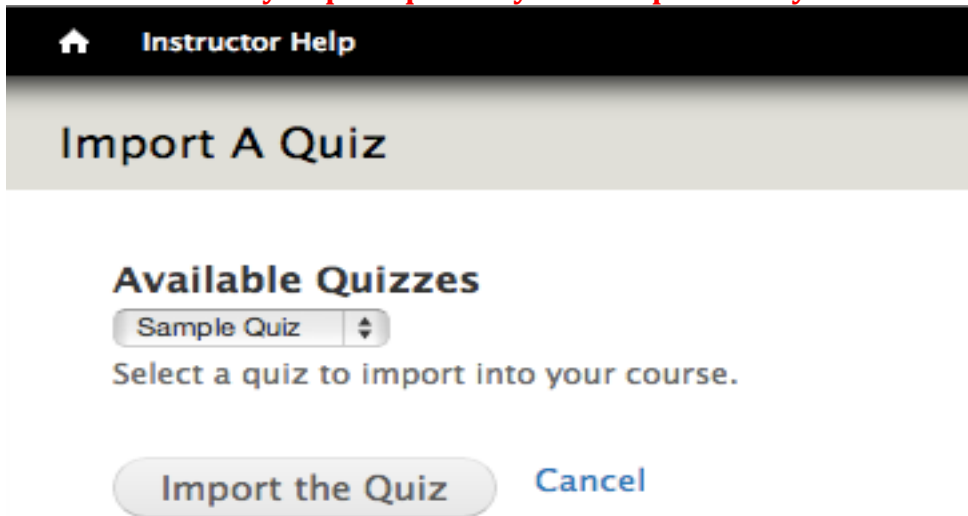
   c. The system will return you to your course list. If you look at the number next to "Show Quiz," it should have increased by one.
   d. Click "Show Quiz" and the quiz you just imported is now added to this menu.

Graphicacy Toolbox How-To

2) You can also create a new quiz.
   a. Click the "Create New Quiz" link. It will take you to the "Create Quiz" screen seen below.

   b. Enter the quiz name in the "Quiz Title" field. You must complete this field before adding any quiz questions.
   c. Enter any instructions that you would like to display to students before they begin your quiz.
   d. There are five types of quiz questions you can add:
   Static Image Graph – You can link to an image of a static graph for students to review. This image will display within the Graphicacy quiz interface.

   External Image Graph – You can link directly to a graph which displays on an external website.

   Preset Formula Graph – There are seven formula types for you to choose from. Each type allows you to set specific variables and the minimum and maximum values for the graph's X and Y-axes.
   - **sin** – you can set "a" and "y" variables
   - **cos** - you can set "a" and "y" variables
   - **tan** - you can set "a" and "y" variables
   - **exponential** – you can set "a," "exponential base 'b,' and "y" variables
   - **logarithmic** – you can set "a," "Log base 'b,' and "y" variables
   - **PeRT (financial)** – you can set the $ amount and the interest rate

- **Population Growth Model** – There are two models to choose from. Both allow you to choose the "s" and "alpha" values.
    1. **Exponential**
    2. **Autocatalytic**

Custom Formula Graph - Here you can enter in your own custom formula for differential equations or function plotters.
- Differential equation will allow you to set a default value.

Graph CSV File – You can upload a CSV file with two columns for graph data.

Question Pool – When instructors create new questions, they can choose to make them accessible to other instructors via the Question Pool. You may add questions from the question pool to your quiz and edit them as needed. Your edits will not impact the original question in the question pool.
- Your quiz is automatically saved when you navigate to add a question. If you decide that you do not want to use this quiz, click "Delete" at the bottom of the screen.
- The questions you have created or added from the question pool will be listed on the bottom of the "Quiz" page.
- You can change the order that these questions will appear by clicking and dragging the arrow to the left of the question

Save – Saves changes to your quiz.

Delete – Deletes the quiz from your course.

Cancel – Returns you to the course page. If you have added questions to this quiz before cancelling, the quiz was automatically saved. If you do not want it to appear in your quiz list, you must delete it.

Preview – This will allow you to preview the quiz as students will see it.

Static Image Graph
The most basic type of graph that you can add to a quiz question is a static image graph.

1) **Question Title** - Enter the question title. This will not appear in the quiz but will allow you to identify the question from a list. This is required.

2) **The Question** - Enter the question text here. This is required.

3) **Question Graph** - Images of static graphs must be hosted on a separate account. We recommend using Picasa. See the instructional video on the "Instructor Help" page for details.
   a. Create a Picasa web album - http://picasa.google.com/

   b. Upload your image to this album and make it "public."
   c. Right click on the image, copy the Picasa URL (e.g. https://lh5.googleusercontent.com/.../.../_your–image.png)
   d. Paste the image URL in the field provided.

4) **The Answers** - Enter in the answer options for the question you have asked. These are required.

5) **Answer Feedback** - If you would like to give detailed feed for correct or incorrect answers, enter that feedback here. If these fields are left blank, the system will indicate "Incorrect" and "Correct" on the student quiz interface.

6) **Question Correct Answer** - Indicate which answer option is correct. This is required.

7) **Difficulty** - Select difficult level. This is especially helpful to other instructors if you make your questions available in the question pool. This is required.

8) **Course Code Taxonomy** - Select a course code. This is especially helpful to other instructors if you make your questions available in the question pool. This is optional.

9) **Keywords** - Select a keyword. This is especially helpful to other instructors if you make your questions available in the question pool. This is optional.

10) **Share this Question with Other Instructors** - Indicate whether you would like to add your question to the UO Graphicacy question pool. If you agree to submit your question to the pool, it can be selected by other instructors to use in their quizzes, but any changes they make will not impact your original question. This is optional.

11) **Save** - Save you question. The question will be added to your quiz and you will be returned to the "Create Quiz" interface.

External Image Graph

If the graph that you would like students to interpret is hosted on an external site, you can add a link to that site in the quiz question. When students click this link, the web page where the graph is posted will load in the browser window.

1) **Question Title** - Enter the question title. This will not appear in the quiz but will allow you to identify the question from a list. This is required.

2) **The Question** - Enter the question text. This is required.

3) **Question Graph URL** – Paste the link to the web page where the graph is displayed.

4) **The Answers** - Enter in the answer options for the question you have asked. These are required.

5) **Answer Feedback** - If you would like to give detailed feed for correct or incorrect answers, enter that feedback here. If these fields are left blank, the system will indicate "Incorrect" and "Correct" on the student interface.

6) **Question Correct Answer** - Indicate which answer option is correct. This is required.

7) **Difficulty** - Select difficult level. This is especially helpful to other instructors if you make your questions available in the question pool. This is required.

8) **Course Code Taxonomy** - Select a course code. This is especially helpful to other instructors if you make your questions available in the question pool. This is optional.

9) **Keywords** - Select a keyword. This is especially helpful to other instructors if you make your questions available in the question pool. This is optional.

10) **Share this Question with Other Instructors** - Indicate whether you would like to add your question to the UO Graphicacy question pool. If you agree to submit your question to the pool, it can be selected by other instructors to use in their quizzes, but any changes they make will not impact your original question. This is optional.

11) **Save** - Save you question. The question will be added to your quiz and you will be returned to the "Create Quiz" interface.

Preset Graph Formula

There are seven preset formula types you can choose from to create your own graphs for students.

1) **Question Title** - Enter the question title. This will not appear in the quiz but will allow you to identify the question from a list. This is required.

2) **The Question** - Enter the question text. This is required.

3) **The Formula Type** – Select the formula type you would like to use.

4) **Formula Values** – Enter in the function values that you would like to apply.

5) **Graph Boundaries** – Enter in the minimum and maximum boundary values for the X and Y-axes.

6) **Enable Graph Zoom** – Checking this box will allow students to zoom into the graph to get a clearer view of the graph data.

7) **The Answers** - Enter in the answer options for the question you have asked. These are required.

8) **Answer Feedback** - If you would like to give detailed feed for correct or incorrect answers, enter that feedback here. If these fields are left blank, the system will indicate "Incorrect" and "Correct" on the student interface.

9) **Question Correct Answer** - Indicate which answer option is correct. This is required.

10) **Difficulty** - Select difficult level. This is especially helpful to other instructors if you make your questions available in the question pool. This is required.

11) **Course Code Taxonomy** - Select a course code. This is especially helpful to other instructors if you make your questions available in the question pool. This is optional.

12) **Keywords** - Select a keyword. This is especially helpful to other instructors if you make your questions available in the question pool. This is optional.

13) **Share this Question with Other Instructors** - Indicate whether you would like to add your question to the UO Graphicacy question pool. If you agree to submit your question to the pool, it can be selected by other instructors to use in their quizzes, but any changes they make will not impact your original question. This is optional.

14) **Save** - Save you question. The question will be added to your quiz and you will be returned to the "Create Quiz" interface.

Custom Formula Graph

The custom formula graph allows you to enter in your own differential equation or function plotter to create a graph.

1) **Question Title** - Enter the question title. This will not appear in the quiz but will allow you to identify the question from a list. This is required.

2) **The Question** - Enter the question text. This is required.

3) **Graph Equation** – Enter in the differential equation or function plotter equation you would like to use.

4) **The Graph Type** – Select the graph type. If you select differential equation, enter the default value.

5) **Graph Boundaries** – Enter in the minimum and maximum boundary values for the X and Y-axes.

6) **Enable Graph Zoom** – Checking this box will allow students to zoom into the graph to get a clearer view of the graph data.

7) **The Answers** - Enter in the answer options for the question you have asked. These are required.

8) **Answer Feedback** - If you would like to give detailed feed for correct or incorrect answers, enter that feedback here. If these fields are left blank, the system will indicate "Incorrect" and "Correct" on the student interface.

9) **Question Correct Answer** - Indicate which answer option is correct. This is required.

10) **Difficulty** - Select difficult level. This is especially helpful to other instructors if you make your questions available in the question pool. This is required.

11) **Course Code Taxonomy** - Select a course code. This is especially helpful to other instructors if you make your questions available in the question pool. This is optional.

12) **Keywords** - Select a keyword. This is especially helpful to other instructors if you make your questions available in the question pool. This is optional.

13) **Share this Question with Other Instructors** - Indicate whether you would like to add your question to the UO Graphicacy question pool. If you agree to submit your question to the pool, it can be selected by other instructors to use in their quizzes, but any changes they make will not impact your original question. This is optional.

14) **Save** - Save you question. The question will be added to your quiz and you will be returned to the "Create Quiz" interface.

CSV File Graph

If you would like to create a graph out of your own data, you can upload a CSV file with two columns. The first column will be the X-axis and the second will be the Y-axis.

1) **Question Title** - Enter the question title. This will not appear in the quiz but will allow you to identify the question from a list. This is required.

2) **The Question** - Enter the question text. This is required.

3) **Graph CSV File** – Upload your two-column CSV file. The data in the first column will be plotted to the X-axis and the data in the second column will be plotted to the Y.

4) **The Answers** - Enter in the answer options for the question you have asked. These are required.

5) **Answer Feedback** - If you would like to give detailed feed for correct or incorrect answers, enter that feedback here. If these fields are left blank, the system will indicate "Incorrect" and "Correct" on the student interface.

6) **Question Correct Answer** - Indicate which answer option is correct. This is required.

7) **Difficulty** - Select difficult level. This is especially helpful to other instructors if you make your questions available in the question pool. This is required.

8) **Course Code Taxonomy** - Select a course code. This is especially helpful to other instructors if you make your questions available in the question pool. This is optional.

9) **Keywords** - Select a keyword. This is especially helpful to other instructors if you make your questions available in the question pool. This is optional.

10) **Share this Question with Other Instructors** - Indicate whether you would like to add your question to the UO Graphicacy question pool. If you agree to submit your question to the pool, it can be selected by other instructors to use in their quizzes, but any changes they make will not impact your original question. This is optional.

11) Your data can be plotted to **seven different types of graphs** including:
    a. Line
    b. Smooth Line
    c. Bar
    d. Line & Bar Combined
    e. Horizontal Bar
    f. Regression Line with Bar
    g. Regression Parabola with Bar

12) **Save** - Save you question. The question will be added to your quiz and you will be returned to the "Create Quiz" interface.

Question Pool

When instructors using the Graphicacy Toolbox create new questions, they have the options to share these questions with other instructors via the Question Pool. Selecting questions from the Question Pool will add them to your quiz. There, you can use them as they were originally written or you can edit them for your own purposes. Individual edits will not impact the original question in the Question Pool.

1) **Added Questions –** When you check the box next to a question, it automatically adds it to the "Added Questions box." This works like a shopping cart, collecting questions as you add them. Once you have selected all the questions you would like to use, click the "Add Selected Questions to Quiz" button.

2) **Search by –** Enter the keywords that you would like to search for in the question pool questions. This search will look for those keywords in the question title, text, answers, feedback, author, type and keyword fields.

3) **Advanced Filter** – The Advanced Filter will allow you to filter Question Pool questions by:
   - Question Type
   - Difficulty
   - Keywords

   These filters are dynamically updated as questions are added to the Question Pool.

4) **Show Entries –** This menu allows you to change the number of questions displayed on a page. The default is 25.

5) **Questions –** Questions are listed by date entered. Clicking the column headers will allow you to re-sort questions by:
   - Question Type
   - Author
   - Question Title

- Question text
- Difficulty level
- Course Code
- Keywords
- Date

6) **View** – This allows you to see the full question in the student interface.

7) **Add Selected Questions to Quiz** - As stated above, clicking this will add any questions you have selected to your quiz.

8) **Cancel –** Clicking Cancel to return to your quiz without adding any Question Pool questions.

View Existing Quiz

To view existing quizzes, click the "Show Quizzes" link.

ARTD 101 Quizzes

QUIZ TITLE	# OF QUESTIONS	ACTIONS
Sample Quiz	10	Edit | View Quiz Results | Live Preview | Delete
Biomechanics 101	0	Edit | View Quiz Results | Live Preview | Delete

This will open a menu with options to:
- **Edit**– edit an existing quiz. This will allow you to edit the quiz instructions, questions and answer options.
- **View Quiz Results** – view student quiz results.
- **Live Preview** – view a live preview of the quiz as a student would see it. If you answer and submit the quiz from this preview, your results will be recorded.
- **Delete** – delete an unused quiz. You cannot delete a quiz if student data has been recorded.