Mobius Maple Software Class Set-up

Instructions

If we have to work on a different Learning Management System (LMS), then Blackboard Learn at [https://learn.dcollege.net](https://learn.dcollege.net), or if Blackboard Learn at Drexel has a significant upgrade, please note: We worked with Drexel ITG to get this LTI set-up on Blackboard Learn. This should not need to be again unless there’s an LMS change or very significant upgrade.

1. In the Bb Learn course section, go to a content area (like a “Week” area), click “Build Content” > “Web Link”.
   a. Content Areas have “Build Content” and “Assessment” drop-down menus near the top, just under the title on the page.
2. Enter a name like “Mobius” or what you will in the “Name” field.
   a. Screenshot below shows this & next few steps.
4. Check the box for “This link is to a Tool Provider.”
5. Click “Submit.”
6. Have the Instructor (likely Dr. Bruce Char) enter the Bb Learn course section, and click the “Mobius” link you just made (or whatever you called the link).
7. The next few steps should be done by John McNamara or Mike Galloway or someone with Admin access to the Drexel dashboard for Mobius at [https://drexel.mobius.cloud/](https://drexel.mobius.cloud/).
8. Click “Class Manager” > “List Classes.”
9. Click on the class you want to add the instructor to.
10. Click "Choose Instructor."

11. Enter the "Last Name" of the instructor, and click "Search."

12. On the details page for that user:
   a. For "User Role," choose "Instructor."
   b. Select the "blackboardlearn_user.." option under "User Login."
   c. Click "Register."
13. You can only have 1 user registered as an Instructor using this method.
14. The screenshot below explains the difference between "Instructor" and "Instructor+create".

15. Send something like the instructions below to the Drexel CCI Instructor you just registered. Change course names and numbers as appropriate. Instructions provided in an email for CS 270 and CS 361 for Fall 2020 quarter.

"Week 1" in both CS 270 and CS 361 have a “Mobius” link.

Enter the Fall 2020 CS 270 course section in Bb Learn, click that “Mobius” link in “Week 1.” Since you are the Instructor in Mobius for the Fall 2020 CS 270 and CS 361 courses, you should see CS-270 or CS 361 in the drop-down under “Create a Link to a Class Home Page.” Choose CS 270, and click “Link to Class Home.” That should set-up that “Mobius” link there.

Also, enter the Fall 2020 CS 361 course section in Bb Learn, click that “Mobius” link in “Week 1.” Since you are the Instructor in Mobius for the Fall 2020 CS 270 and CS 361 courses, you should see CS-316 in the drop-down under “Create a Link to a Class Home Page.” Choose CS 361, and click “Link to Class Home.” That should set-up that “Mobius” link there.

If you need to make a Mobius link elsewhere in your Bb Learn course sections, go to another “Week” or other content area (that has “Build Content” and “Assessments” and “Tools” and “Partner Content” drop-down menus), click “Build Content” > “Web Link” > enter “Mobius” or what you will in “Name” field > enter https://drexel.mobius.cloud:443/lti/ in “URL” field, check the “This link is a Tool Provider” box, and click “Submit.” Then click the “Mobius” link you just made (or whatever you named the link). Then repeat the instructions from the above first or second paragraph, depending on what course you are in.

If you want to move a “Mobius” link that I made or you made (or whatever you named it), click the circled down arrow next to that link in the Bb Learn course section where it appears in a “Week” or other content area, click “Move” > “Browse” > in new pop-up window, click where you want to move “Mobius” or similar link (+ expands folders, - collapses folders, top-right icons collapses/expands all), and click “Submit.” The link will be moved.
Search and Change User Role

If you need to change a User Role later, say from "Instructor" to "Instructor+Create"

1. If you need to know what the User Roles do, see screenshot below.

   ![Image of user role screenshot]

   You can set the role of the user to Administrator: Instructor, Instructor+create, Proctor, Student, or Guest. Users can have different roles in different classes. For example, an instructor can be a student in a class, with student privileges in that class, and be an instructor with instructor privileges in the class that he or she is instructing.

   Administrator
   An administrator has the ability to create and manage classes and users, and control global proctors.

   Instructor
   An instructor has the ability to create classes that are not based on a shared material. An administrator can give select instructors the privilege to create system users.

   Instructor+create
   An instructor+create role has all the privileges of an instructor with the additional privilege of being able to create users (guests, students, proctors, and instructors).

   Proctor
   A system proctor has proctor privileges in all classes, except those in which he or she is registered as a student.

   Student
   A student can register for classes, and perform the following actions from the class homepage: take assignments, quizzes, and tests, view grades from completed assignments, and change his or her password. The default role for a new user is student.

2. Click "System User Manager" > "User Search."

   ![Image of user search screenshot]

3. Click "Advanced Search."

   ![Image of advanced search screenshot]

4. Enter the "Last Name" of "Instructor." Click "Search." Click the "blackboardlearn_user..." User Login listed.
   a. If you do not have that user, copy the long-form Drexel email address, and skip to step 7.
5. Click “Edit User.”

6. "Select "Instructor+Create" or what you will from “System Role." Then click “Submit.”
   
a. **YOU ARE DONE! (UNLESS YOU WERE TOLD EARLIER TO SKIP TO STEP 7).**

7. Repeat steps 2 & 3 above, but search on either the user's long-form Drexel email address that you copied previously in step 4.
a. Delete ANY white space around the email address or login when you paste it. CHECK FOR WHITE SPACE TOO.

8. Click the "blackboardlearn_user..." User Login in the search results.
   a. No search results? Again, try to delete any white space in the email address you entered. Try the front & back of the email address.

9. Click "Edit User."

10. Select "Instructor+Create" or what you will from "System Role." Then click "Submit."
What is Mobius or Maple?

From https://www.digitaled.com/mobius-and-maple on Mobius: “With engaging interactive applications, sophisticated plotting, free-response assessment questions, intelligent grading of responses, and more, the Möbius platform provides everything you need to take full advantage of online resources in your math-based courses... The Möbius platform draws on all this mathematical power to generate and automatically grade assessment questions, create and display meaningful visualizations, and control the behavior of interactive explorations.”

Same website on Maple: “The Möbius platform is built on Maple™, the powerful math software from Maplesoft™. Maple covers virtually every area of mathematics, including calculus, algebra, differential equations, statistics, linear algebra, and much more. It supports both symbolic and numeric computations, provides sophisticated 2-D and 3-D plots and animations, and includes a sophisticated programming language for developing scripts, algorithms, and interactive applications.”

Other Helpful Links

- https://digitaled.com/support/help/Content/ADMIN-CONFIG/Configure%20an%20LTILink.htm
- https://digitaled.com/support/legacy/help/html/MobiusSystemAdministrator/ch02s06.html#SystemAdminMenu_ConfiguringLTILink