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About Pearson’s MyLab & Mastering Platforms

Pearson's MyLab & Mastering online learning products deliver customizable content and highly personalized study paths, responsive learning tools, and real-time evaluation and diagnostics. MyLab & Mastering products give educators the ability to move each student toward the moment that matters most -- the moment of true understanding and learning.

About the MyLab & Mastering Building Block Integration

The building block provides single sign-on between Blackboard Learn 9.1 SP6+ and Pearson’s MyLab & Mastering platforms (see Note). Instructors can use this integration to provide direct links to MyLab & Mastering for their students and can transfer student grades into the Blackboard Learn Grade Center.

Note:

Pearson has a similar platform called MyLabsPlus. This integration does not support MyLabsPlus. If you are interested in an integration between Blackboard Learn and MyLabsPlus, install the MyLabsPlus Building Block. The MyLabs Plus Building Block is available directly from Pearson.

The Pearson’s MyLab & Mastering building block is available now on Behind the Blackboard for U.S. and Canada higher education institutions that license Blackboard Learn 9.1, Service Pack 6 and higher.
Configuring the Pearson’s MyLab & Mastering Building Block

The Pearson’s MyLab & Mastering building block must be installed and enabled for use in courses. Download and install the MyLab & Mastering building block using the same process used for other building blocks. You can find the building block on Behind the Blackboard and in the Extensions Catalog.

When installed, the MyLab & Mastering Building Block defaults to Inactive in the Availability column and Unavailable in the Course/Org Default column.

Configuring and Registering the MyLab & Mastering Building Block

Follow these steps to configure and register the MyLab & Mastering building block:

Make the Building Block Available:

1. From the Administrator Panel, click Building Blocks.

2. Click Installed Tools.

3. Locate the Pearson’s MyLab & Mastering building block.
4. Select **Set Available** from the Pearson’s MyLab & Mastering building block contextual menu. (The down arrow for the contextual menu appears when you hover over the name of the building block.)

5. On the **Make Building Block Available** page, click **Approve**. A confirmation message appears above your list of building blocks when the approval is complete.

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Success: Pearson’s MyLab & Mastering has been made ‘Available’ to the system and will display in courses and organizations. The default availability of this building block’s tools within courses and organizations is controlled by the settings in the Tools page.
Configure and register MyLab & Mastering building block:

6. Locate the Pearson’s MyLab & Mastering Building Block and select **Settings** from the contextual menu.

**Note**: The Blackboard Learn server time must be accurate to plus or minus five minutes of UTC (Coordinated Universal Time), or the links between Blackboard Learn and Pearson MyLab & Mastering will fail.

7. Under Pearson Configuration, click **Click here to obtain a consumer key and shared secret for this installation**.

2. **Pearson Configuration**

   Click here to obtain a consumer key and shared secret for this installation.

   **Pearson URL**
   
   [http://tix.bb.pearsoncmg.com/api](http://tix.bb.pearsoncmg.com/api)

   **Consumer Key**

   **Consumer Secret**

   **Pearson Grades Integration URL**
   
   [https://integrations.pearson.com](https://integrations.pearson.com)
8. On the MyLab & Mastering Institution Setup Request page, enter your institution and contact information and click Submit. You will receive an email with a Consumer Key and Secret for the MyLab & Mastering Building Block for your institution through a secured site.
9. When you receive the information, enter (or cut and paste) the **Consumer Key** and **Consumer Secret** in the fields on the MyLab & Mastering Building Block Settings page.

2. **Pearson Configuration**

   ![Pearson Configuration Screenshot](image)

   **Important**: If your institution has multiple Blackboard instances (e.g., different production, test or staging Blackboard environments), each Blackboard instance requires a unique set of **Consumer Key** and **Consumer Secret**. Using the same **Consumer Key** and **Consumer Secret** on multiple Blackboard instances causes data synchronization issues.

10. Under Local System Information, enter values for your service as follows:
Installation Type: Identifies the type of installation for this instance of Blackboard Learn as PRODUCTION, STAGING, or TEST. The Installation Type defaults to PRODUCTION. However, it is important that you select the appropriate Installation Type so that your Blackboard support teams can accurately identify your Blackboard instance and provide the correct level of support.

Show User Acknowledgement Message:

Select Yes to display your message each time a user clicks a MyLab & Mastering link notifying them that they are accessing a link outside of Blackboard Learn. A checkbox accompanies the notification, allowing users to hide the message when they access MyLab & Mastering in the future.

Select No to prevent the Acknowledgement page from appearing.

Message Text: If Show User Acknowledgement Message is set to Yes, the administrator must include a customized message under Acknowledgement.
11. Under the Grades Integration, configure the automated grade synchronization task for the MyLab & Mastering integration.

4. **Grade Integration**

   Grade Update Test Status: Displays a timestamp representing the last date/time the Pearson Grade Service was checked. Click **Run Test** to ping the Pearson Grade Service and validate connectivity.

   Select Grade Update Frequency: Select the frequency (in minutes) for the Automated Grade Synchronization task to run. The frequency can be set to 60, 90, 120, or 240 minutes. Select **Never** to disable the automated task. Please note that instructors can still update their grades through the Pearson’s MyLab & Mastering Tools page.

   Last Checked: Displays a timestamp of the last date/time the grade synchronization looked for updates from Pearson.

   Last Updated: Displays a timestamp of the last date/time the grade synchronization successfully completed.

   Grade Integration: Click the **Run Now** button to manually trigger the grade synchronization task.
12. Under Blackboard Course Roles Mapping, map Blackboard course roles with MyLab & Mastering roles.

5. **Blackboard Course Roles Mapping**

   ![Course Roles to Select](image)

   *Select one or more Blackboard roles from those listed below to be allowed to have Instructor privileges in Pearson’s MyLab & Mastering.*

   **Instructor Roles:** Select all Blackboard courses roles that should be given instructor privileges in Pearson MyLab & Mastering courses paired with Blackboard Learn courses. The Instructor role is selected by default. If there are additional roles, such as Teaching Assistant or Grader, that need those privileges, select them.

13. Click **Submit** to save all changes.

6. **Submit**

   *Click Submit to proceed. Click Cancel to quit.*

If you receive a **Configuration saved successfully** message on the Building Blocks page, the building block was installed and configured successfully. The Registration Status changes to **OK** in the Pearson’s MyLab & Mastering building block settings page.

If you receive an **Invalid Configuration** message, look at the **Message** field in the **Registration Status** section for details. If the registration still fails after making the appropriate changes based on the error message, open a ticket on Behind the Blackboard.
Notes:

- The Blackboard Learn server time must be accurate to plus or minus five minutes of UTC (Coordinated Universal Time), or the links between Blackboard Learn and MyLab & Mastering fails.

- If your school's installation of Blackboard Learn is behind a firewall and the building block registration fails due to a connection timeout, open the following hostname and ports on the firewall to permit communication between MyLab & Mastering and Blackboard Learn:
  - **Hostname**: tpi.bb.pearsoncmg.com/api
  - **Ports**: 80 and 443

- Refer to the Pearson's MyLab & Mastering Building Block Release Notes on Behind the Blackboard for details on the integration, the correct Building Block package for your Blackboard Service Pack, and open and resolved issues.

### Upgrading Pearson’s MyLab & Mastering Building Block

- As a best practice, when upgrading the Pearson’s MyLab & Mastering building block to a new version, always use Software Updates to update the version of the building block.
- If issues occur when installing the Building Block, delete the old version of the building block and install the new version. The existing Pearson’s MyLab & Mastering configuration and settings are not removed if you delete the old building block and install the new version. Instead, they are retained in the database and re-appear once the new version is installed.
Managing MyLab & Mastering for all Courses and Organizations

Follow these steps to manage the MyLab & Mastering building block in the Course or Organization Tools area.

1. From the Administrator Panel, under Courses, click Course Settings. Or, to enable in Organizations, click Organization Settings under Organizations.

2. Click Course Tools. If enabling for Organizations, click Organization Tools.

4. Locate Pearson’s MyLab & Mastering in the list and choose the **ON** option for all new and existing courses. Next, click the lock icon to lock this setting.

**Note**: The features of MyLab & Mastering course tools are not available to guests or observers.

5. Click **Submit**.
Institutional Hierarchy – Community Engagement License Only

Follow these steps in Blackboard Learn 9.1 to manage the Pearson MyLab & Mastering tools for different nodes in the Institutional Hierarchy (available only for Blackboard Learn environments with the Community Engagement license).

1. From the Administrator’s Panel under Communities, click Institutional Hierarchy.

2. Under Name, click the name of the node in which you want to edit the Pearson MyLab & Mastering tools.
3. Click the **Tools** tab and locate Pearson’s MyLab & Mastering (Tools).

![MyLab & Mastering Tools](image)

4. Choose the **ON** option (for new and existing courses) for the MyLab & Mastering tools. Next, click the lock icon to lock this setting.

5. Click **Submit**.

**Note:**
- The full features of Pearson MyLab & Mastering course tools are not available to guests or observers.
Removing Access to the MyLab & Mastering Building Block

To remove access to the MyLab & Mastering building block, change the Availability setting to Inactive on the Building Blocks page. This removes all MyLab & Mastering features from Blackboard Learn. Grades transferred to the Grade Center are maintained. Links to MyLab & Mastering deployed inside courses remain visible, but do not function.

To completely remove the MyLab & Mastering Building Block from Blackboard Learn, click the Delete button next to the building block name on the Building Blocks page.

It is not recommended to set the Availability to Unavailable because links inside courses remain live.
Instructor and Student Access

Instructors and students have access to Pearson MyLab & Mastering resources from within the Tools area of their courses.

Users whose accounts are not associated with their Pearson account are prompted to associate them when accessing any Pearson MyLab & Mastering component in Blackboard courses. They need to follow instructions provided by Pearson MyLab & Mastering to associate (link) their Blackboard and Pearson MyLab & Mastering accounts. Instructors can associate (pair) their Blackboard course with a Pearson MyLab & Mastering course.

There are some default support tools available to users even if their accounts/course is not associated with Pearson MyLab & Mastering. After the association is made, additional tools are available to users based on roles.

Instructors can set up Pearson MyLab & Mastering components in their Blackboard course content area. They can also upload Pearson MyLab & Mastering grades into Blackboard using the gradebook file export feature in the Pearson products for all associated students. For Pearson MyLab & Mastering columns uploaded into the Grade Center, students can view the grade information in Blackboard from the My Grades view in the tools page.
## Information Transmission Summary

The following table provides a summary of the information transmitted between your institution’s Blackboard environment and the Pearson Education systems:

<table>
<thead>
<tr>
<th>Category</th>
<th>Sent to Pearson</th>
<th>Received from Pearson</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Information</td>
<td>Encrypted version of the user ID (external person key). Pearson does not have the ability to decrypt these identifiers. The SSL status of these links matches exactly that of the page where the link was placed. Please note that not all Pearson MyLab &amp; Mastering sites support SSL throughout; the browsing experience may drop to plain HTTP at some points while visiting Pearson MyLab &amp; Mastering.</td>
<td>Login ID of the associated Pearson MyLab &amp; Mastering account. This information is always secured with Oauth during transmission and is only available to the student and course instructor. The presentation of this information over SSL is dictated by the local configuration of Blackboard.</td>
</tr>
<tr>
<td>Course Information</td>
<td>Encrypted version of the course ID (external course key) and course role. Pearson MyLab &amp; Mastering cannot decrypt these identifiers. This course information is sent to Pearson when a user clicks any Pearson MyLab &amp; Mastering component within a Blackboard course. The SSL status of these links exactly matches that of the page where the link was placed.</td>
<td>Section ID of the associated Pearson MyLab &amp; Mastering section. This information is always secured with Oauth during transmission and is only available to the student and course instructor. The presentation of this information over SSL is dictated by the local configuration of Blackboard.</td>
</tr>
<tr>
<td>Enrollment Information</td>
<td>Normalized user roles based on the configuration in the building block settings page. (The user workflow for registration/enrollment in a Pearson MyLab &amp; Mastering course is handled entirely by Pearson.)</td>
<td>This information is always secured with Oauth during transmission and is only available to the student and course instructor. The presentation of this information over SSL is dictated by the local configuration of Blackboard.</td>
</tr>
<tr>
<td>Pearson MyLab &amp; Mastering course tool links</td>
<td>None</td>
<td>Metadata about available content, tool links, etc. (title, due date, placement type, etc.). This information is always secured with Oauth during transmission and is only available to the student and course instructor. The presentation of this information over SSL is dictated by the local configuration of Blackboard.</td>
</tr>
</tbody>
</table>
Cookies and Privacy Information

For more information about Blackboard Learn, visit the Blackboard Privacy Center at http://www.blackboard.com/privacy/.

For more information about Pearson’s Privacy Policy, visit https://register.pearsoncmg.com/reg/include/license2.jsp.