

# CodeLab In Moodle

## OVERVIEW:

CodeLab now offers a tight integration with Moodle. That means that once set up, students and instructors access and experience CodeLab entirely and only in the Moodle browser window. In particular, students do not access CodeLab through the standard CodeLab client at all, and instructors have almost no need to do so either.

CodeLab-In-Moodle observes the "Moodle way of doing things" as much as possible.

CodeLab-In-Moodle must be set up separately for each Moodle course to that uses it. In order for CodeLab to be available to instructors a few administrative steps must first be taken. Depending on how Moodle is set up in an institution, it may either be a central Moodle administrator who carries out these steps, or it could be the instructor himself or herself.

This manual illustrates one sequence of steps that a Moodle administrator would follow in order to make CodeLab available for faculty and students.

To make CodeLab-In-Moodle available, the administrator will need:

- (1) A consumer key and shared secret: obtain by emailing [info@turingscraft.com](mailto:info@turingscraft.com)
- (2) An LTI registration URL: <https://codelab.turingscraft.com/codelab/jsp/LTI/config.xml>

For many administrators, nothing further may need to be said. But the next 3 pages illustrate ONE possible path for using this information. If there are any questions, please write directly to: [info@turingscraft.com](mailto:info@turingscraft.com) We are very eager to support CodeLab-In-Moodle!

Official Moodle documentation for External Tools can be found here:

[https://docs.moodle.org/38/en/External\\_tool\\_settings#Adding\\_a\\_tool\\_site-wide](https://docs.moodle.org/38/en/External_tool_settings#Adding_a_tool_site-wide)

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Enter the following URL and click Add:

## Manage tools

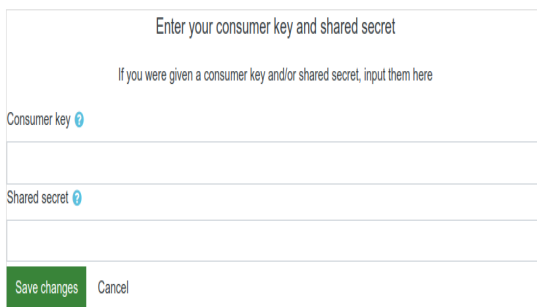


The screenshot shows a form titled "Add tool". It has a text input field labeled "Tool URL..." followed by a green "Add" button. Below the input field, there is a link that says "Alternatively, you can configure a tool manually." At the bottom of the form, there are two links: "Manage preconfigured tools" and "Manage external tool registrations".

<https://codelab.turingscraft.com/codelab/jsp/LTI/config.xml>

## Tools

### Manage tools



The screenshot shows a form titled "Enter your consumer key and shared secret". It contains two text input fields: "Consumer key" and "Shared secret". At the bottom of the form, there are two buttons: "Save changes" (green) and "Cancel".

Enter the Consumer key and shared secret provided by CodeLab. Contact: [info@turingscraft.com](mailto:info@turingscraft.com) if you do not have a key and secret.

## Tools

## Tools



The screenshot shows a tool card for "CodeLab". At the top left, there is a green "Active" status tag. To the right of the tag are two icons: a gear (settings) and a trash can. The card features the CodeLab logo (a green cube) and the text "CodeLab". Below this, there is a scrollable text area containing the description: "CodeLab is the web-based interactive programming exercise system for intro programming classes in Python, ...". At the bottom of the card, it says "This tool has not yet been used".

The CodeLab tool will now appear on the page. Click the gear box.

▼ Privacy

Share launcher's name with tool ⓘ Always ▾

Share launcher's email with tool ⓘ Always ▾

Accept grades from the tool ⓘ Always ▾

Force SSL ⓘ

Modify the Privacy settings to share student names and emails with CodeLab, and to allow CodeLab to update the Gradebook