

Use cases: classroom technology

Instructor recording for remote learners who will view recording at a later time

(Asynchronous learning)

You can record your lecture or presentation from centrally scheduled classrooms and certain departmental spaces. Please contact your distributed IT unit to check about recording capabilities in departmental spaces. Instructors can record lectures in a centrally scheduled classroom after requesting that [BoilerCast](#) be enabled for their course, classroom, date/time by completing the [BoilerCast request form](#).

For the times when you teach synchronously, you may complete this [request for a microphone](#) to improve your audio quality in the room and on the recording. Note that this is not available in all classrooms (see [list of TIC classrooms](#) with a wired mic connection or a wireless mic system.)

You can also record a lecture in our Video Express Rooms located around campus. Find out more about the rooms and book a space at the [Video Express Self-Service login](#).

Instructor in the classroom projects content for remote learners to view during normally scheduled class time and records for later viewing *(Synchronous & Asynchronous learning)*

There are different elements of a course that an instructor can project and record. The easiest way to project and record is using the desktop computer and the microphone with BoilerCast. If you want to live stream your lecture for remote viewers during scheduled class time, please indicate this when you request BoilerCast. If an instructor wishes to project and record content on their personal laptop, or written work on a tablet, certain rooms can accommodate this (look for “[All Sources Capture](#)” under the BoilerCast column on the [list of TIC classrooms](#)).

If you wish to project yourself to an audience you will likely need a webcam of some kind. The [list of TIC classrooms](#) includes those that are expected to have a webcam available this fall.

Instructor teaches remotely, projecting to a classroom for in-person students, and records for later viewing *(Synchronous & Asynchronous learning)*

Many instructors have indicated the desire to have students attend class in-person, but teach remotely themselves, while still projecting themselves to the classroom synchronously. This is one of the more challenging options for connecting with students.

You will need to begin a [Webex](#) session. You will also need a proxy: a person physically in the classroom with sign-in credentials who can login to the classroom desktop and access your WebEx room so they can project it onto the classroom screens/monitors. This WebEx session can be recorded through the WebEx software for later asynchronous viewing.

(cont.)

With the desire to maintain a virtual presence in the physical classroom, there are a few things to consider:

- 1) Only a few rooms have dedicated microphones for students to ask/answer questions.
- 2) In smaller rooms, the BoilerCast microphone may pick up some student voices, but this unlikely to be high-quality audio transmission.
- 3) [Video and Multimedia Production Services](#) (VMPS) has two Distance Learning Classrooms that can support up to 20 socially distanced students in each room with remote teaching and a technician to monitor web conferencing. VMPS can also assist with web conferencing. Email Ed Dunn at dunn@purdue.edu for details.

Instructor connects with remote learners

Consider using backchannel chat software like [Hotseat](#) or [Microsoft Teams](#) and responding to learners through that system. A separate laptop or tablet dedicated to the chat channel is helpful for this scenario. It can also be helpful to have another person monitor the backchannel during class. Backchannel chat software will supplement any class session with distance learners and allows for multiple people to contribute to the conversation.