HYFLEX TECHNOLOGY

HELEN BRENNAGH AND ROBERT DENAULT
Learning Technology Services (LTS),
University Information Services (UIT)

Hyflex Technology

Agenda

> Hyflex Technologies
> What are they @ York?
> Where you can use it
- Select Classrooms on campuses
  - Seminar
  - Standard
  - Standard Plus
- Do It Yourself (DIY) sign-out
> What Hyflex can do
> What Hyflex can't do
> Other considerations
> Resources
> Contact

YORK U

Hyflex Technologies

> **A Hyflex classroom** is equipped with **hybrid flexible technologies** to enable both remote and in-person students to seamlessly participate in a course that is delivered on campus. The technology installed in the classrooms ensures the two-way engagement of all participants.
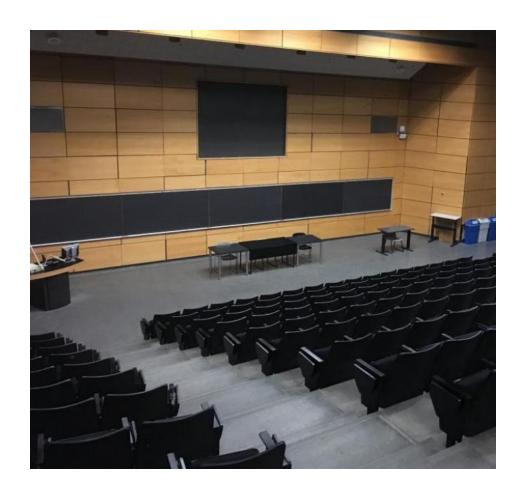
What are they @ York?

Hardware*:
- Computer, with one or two monitors
- Projection Screen(s)
- Television(s) on far wall that face the Instructor
- Microphone(s) and Speaker(s) on ceiling
- Motion tracking camera for Instructor video

Software:
- Zoom
- Microsoft PowerPoint
- Web Browser (Chrome, Edge, Firefox)

*Some of the listed technology may not be in your room, depending on the type of room you are in.

YORK U

Where you can use it

- ❯ Select Classrooms on York's campuses
  - Tiered offerings
- ❯ Do It Yourself (DIY) sign-out
  - USB Webcam with built-in microphone and speaker
  - Instructions found at: lthelp.yorku.ca/hyflex

Most rooms on campus can accommodate some form of Hyflex delivery

Available at both the Keele and Glendon Campuses

YORK U

Hyflex Rooms: Seminar

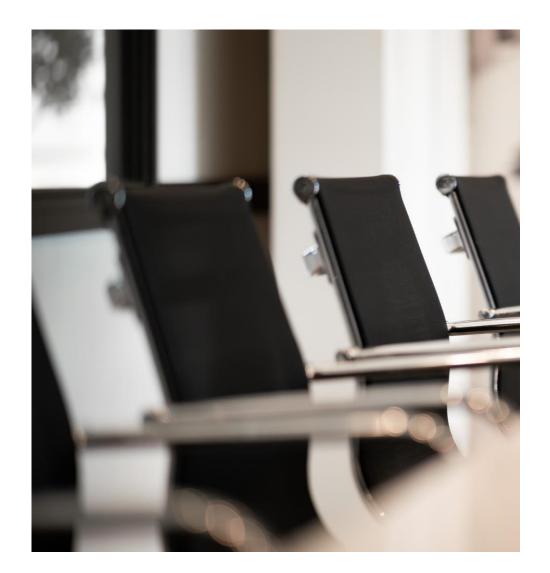**Smaller rooms that are equipped with**

- Soundbar
- Integrated camera
- Integrated microphone

Keele Campus Rooms

- Ross North (RN) 812, 814
- Vari Hall (VH) 1005, 1016, 1018, 1158, 1154, 2000, 2005, 2009, 2016

Glendon Campus Rooms

- York Hall (YH) A004, A220, A222

YORK U

Hyflex Rooms: Standard
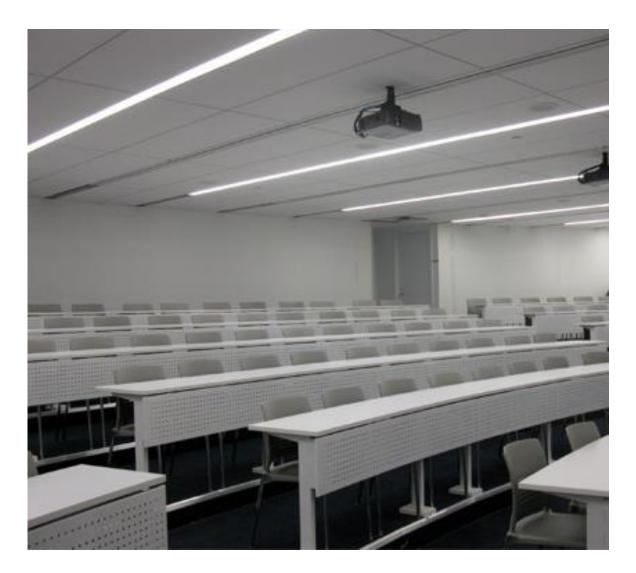
Standard sized rooms that are equipped with
- Motion tracking camera
- Audience ceiling microphones
- Teaching podium with two monitors
- Instructor wireless microphone
- Audio system to hear remote participants

Keele Campus Rooms
- Accolade West (ACW) 109
- Joan & Martin Goldfarb Centre for Fine Arts (CFA) 312
- Vanier College (VC) 135
- Vari Hall (VH) A, B, C, D
- Ross South (RS) 105

Glendon Campus Rooms
- York Hall (YH) A002, A204, A301, A304

YORK U

Hyflex Rooms: Standard Plus

Standard Plus Rooms are equipped with everything in the Standard Room:

- Motion tracking camera
- Audience ceiling microphones
- Teaching podium with two monitors
- Instructor wireless microphone
- Audio system to hear remote participants
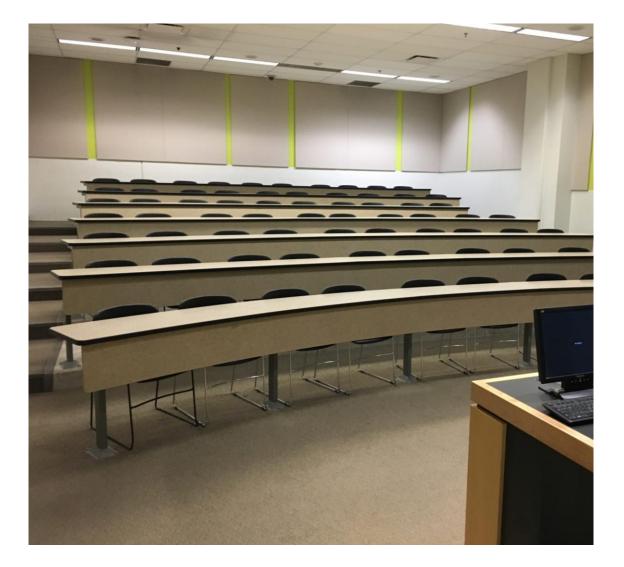
With the inclusion of:

- Two large reference monitors at the back of the room

Keele Campus Rooms

- Accolade East (ACE) 003, 005, 007, 009, 011, 013
- Calumet College (CC) 106, 108, 211
- Vanier College (VC) 102, 105

Glendon Campus Rooms

- York Hall (YH) A101, A102, A104, A201, A202, A302, 172, 247

YORK U

Do It Yourself (DIY) sign-out

Logitech BCC950 ConferenceCam

- USB Webcam with built-in microphone and speakers
- Suitable for small spaces such as seminar rooms
- Plug-and-play
- Can be used with your personal device

How to get one?

- First come, first served basis
- Sign-out service through the Service Desk
- Budget number required (You will not be charged unless the device is lost)

YORK U

What Hyflex can do

- Use Zoom to get both in-room attendees and virtual attendees into the same space
- Put your in-class students into breakout rooms with your virtual students
- Provide a forum for all who attend in real-time, no matter where they are, to participate and contribute

Enhance both the teaching and the learning experience

Leveraging provided technologies to extend the physical classroom into the virtual space

YORK U

What Hyflex can't do

- Using your personal computer (or tablet) to leverage the built-in technologies (e.g., host Zoom and PowerPoint but have access to the audio/visual components required for hyflex in the room).
- Concurrent recordings through Zoom and Panopto
- Use of the Document Camera
- In qualifying rooms that have the motion tracking camera, you will not be able to see in-room students. To do this, someone with a laptop with webcam facing the class could show your students

Personalized approaches to how you teach may not be possible

Identifying these obstacles will help keep you on-track while providing the best possible experience for your students

YORK U

Other considerations

> Determine with your class how remote students will ask a question during the class. Using the 'raise hand' feature is a good recommendation as it will allow you as an Instructor to easily see who has questions.

> Consider using breakout rooms with your students when you are planning on doing group work in your class. You will need to ensure you mute the Zoom microphone so that remote audience isn't distracted by activities taking place in class.

> If you want to check in on your breakout rooms with some privacy you could use your phone or laptop to join the meeting as a host (or co-host) and check in on them.

> In your Zoom meeting settings, you can set participants to be muted upon entry, this will help avoid distractions as your remote students join.

> Before you start, confirm your remote audience can hear you and see the content you are intending to share.

> If you are planning on using the blackboard in your class, you'll need to ensure that the writing isn't backwards for remote participants. If it is, you can go to Video Settings in the Zoom application, and deselect 'Mirror my video'

YORK U

Resources

Hyflex
Teaching Commons Resources:
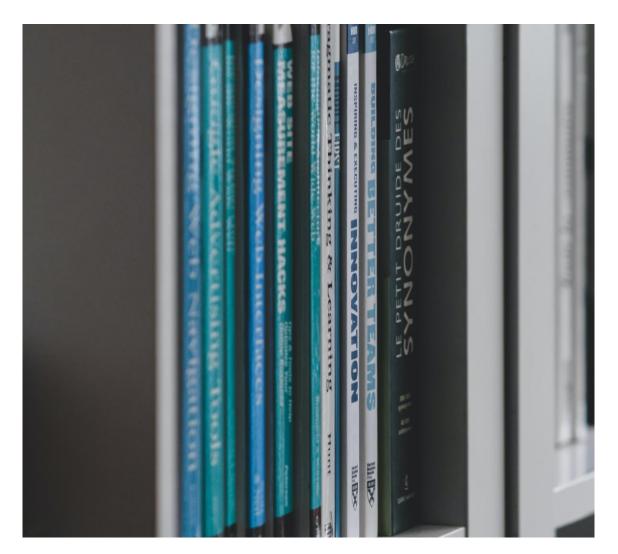https://www.yorku.ca/teachingcommons/hyflex

Hyflex Classrooms
University Information Technology:
https://www.yorku.ca/uit/hyflex-classrooms

Using technology for Hyflex teaching
Learning Technology Services:
https://lthelp.yorku.ca/hyflex

YORK U

Contact

If you need to use a hyflex space on campus for a future class, please contact the Registrar's Office at
adhocs@yorku.ca

If you would like advising on how to use hyflex technology in your classroom, please submit a request at
askit@yorku.ca

If you are experiencing issues while using hyflex technologies during class, please call extension 55800 to engage with the Classroom Technology Services (CTS) team

For general enquiries, or for anything else, please submit your question(s) to askit@yorku.ca

YORK U

HYFLEX TECHNOLOGY

HELEN BRENNAGH AND ROBERT DENAULT
Learning Technology Services (LTS),
University Information Services (UIT)

Photo credits

- Slide two: Photo by Amy Hirschi on Unsplash
- Slide three: Photo by Quaritsch Photography on Unsplash
- Slide four: York University
- Slide five: York University
- Slide six: York University
- Slide seven: Photo by CEL Seating
- Slide eight: Photo by Michael Fousert on Unsplash
- Slide nine: Logitech promotional artwork
- Slide ten: Photo by John Schnobrich on Unsplash
- Slide eleven: Photo by Pau Casals on Unsplash
- Slide thirteen: Photo by Sigmund on Unsplash
- Slide fourteen: Photo by Adam Solomon on Unsplash

YORK U