

**NDSU** NORTH DAKOTA  
STATE UNIVERSITY

STUDENT FOCUSED • LAND GRANT • RESEARCH UNIVERSITY

# HyFlex Best Practices for Student Engagement

# Classroom Technology Updates

Fall 2021

# Starting the Room System

**NDSU**

Minard 112

10:33 AM

**Start Class**

**Start a  
Web Conference**

**Start a  
Zoom Rooms Call**

# Camera Controls

**Web Conference Mode**

**PC Controls**

**Computer**  
**Doc Cam**  
**Laptop**  
**Mobile**

**Video Mute**  
On  
Off

**Video Freeze**  
On  
Off

**Open Camera Controls**

**Screen Controls** **Volume** **End Class**

# Camera Controls

**NDSU** **Minard 112** 11:24 AM

### Camera Controls

**Active Camera**

- Instructor Camera
- Class Camera

**Camera Zoom**

- In
- Out

**Presets**

1	2	3
4	5	6
7	8	9
0	Wide	

**Preset Save**

- Instructor Zoom Preset
- Instructor Wide Preset

**Instructor Camera Auto Presets**

- Enabled

**X**

# Microphone Controls

**Web Conference Mode**

**PC Controls**

Computer  
Doc Cam  
Laptop  
Mobile

Video Mute  
On  
Off

Video Freeze  
On  
Off

Open Camera Controls

Screen Control

Volume

End Class

# Microphone Controls

NDSU

Minard 112

11:34 AM

Web Conference Mode

PC Controls



Computer



Doc Cam



Audience  
Mic



Video Mute

On

Off

Video Freeze

On

Off

Source Volume



End Class



# Document Camera/SMART Display

- Sharing in VC Connection
- Advantages and Disadvantages
- 2 Projector Room



# Zoom Rooms

**NDSU**

Minard 112

10:33 AM

**Start Class**

**Start a  
Web Conference**

**Start a  
Zoom Rooms Call**

# Zoom Participants

NDSU

Minard 112

12:00 PM

Zoom Room Mode

PC Controls



Computer



Doc Cam



Laptop



Mobile



Video Mute

On

Off

Video Freeze

On

Off

Open Camera Controls

Open Zoom Rooms Controls



Source Volume



End Class

# Zoom Participants

NDSU

Minard 112

12:02 PM

Zoom Room Mode



Doc Cam



Laptop



Mobile



Zoom Participants



PC Controls

Video Mute

On

Off

Video Freeze

On

Off

Open Camera Controls

Open Zoom Rooms Controls



Source Volume



End Class

# Open Zoom Rooms Page

**NDSU** **Minard 112** **12:00 PM**

**Zoom Room Mode**

**PC Controls**

**Video Mute**  
On  
Off

**Video Freeze**  
On  
Off

**Open Camera Controls**

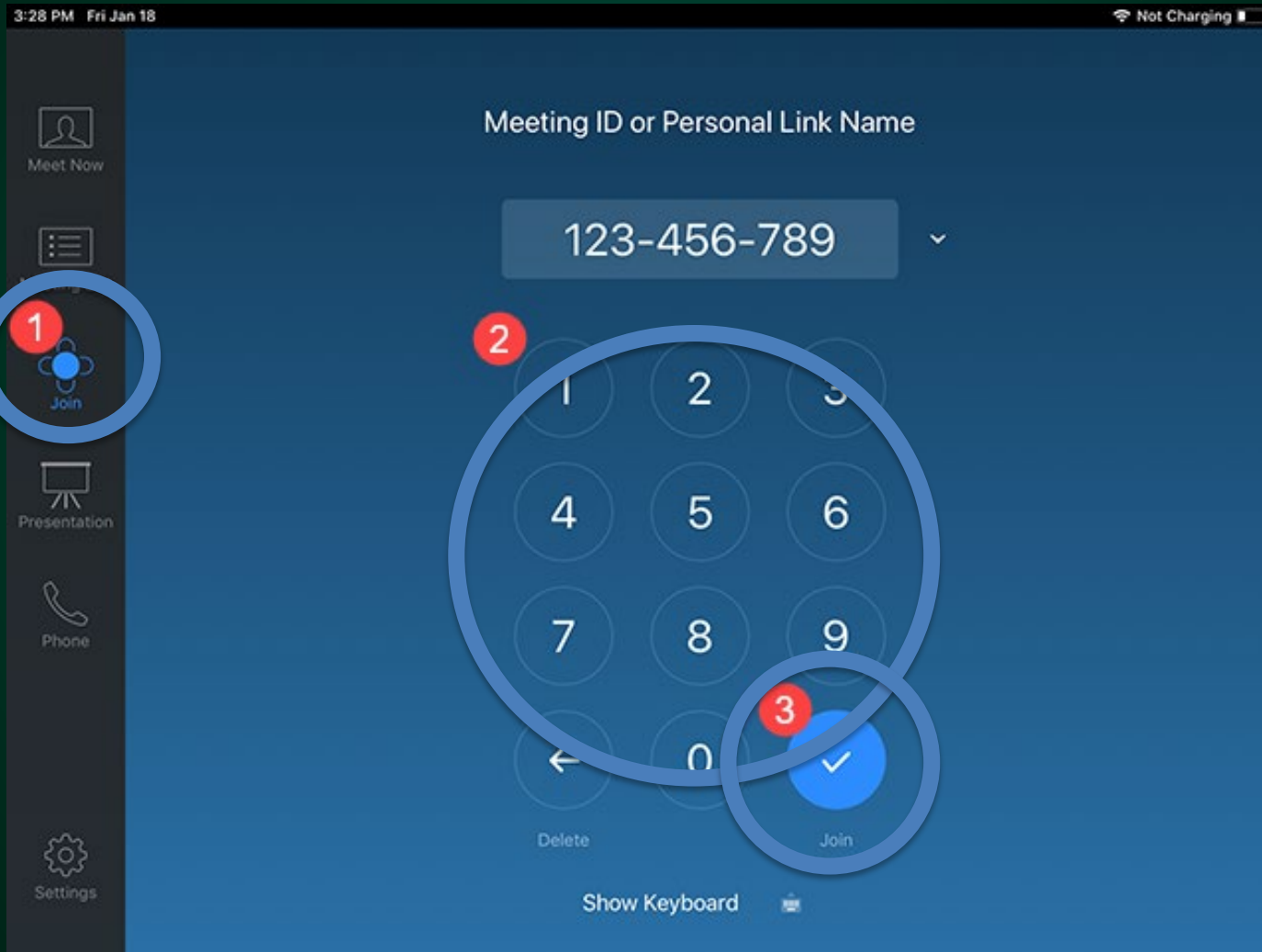
**Open Zoom Rooms Controls**

**Computer**  
**Doc Cam**  
**Laptop**  
**Mobile**

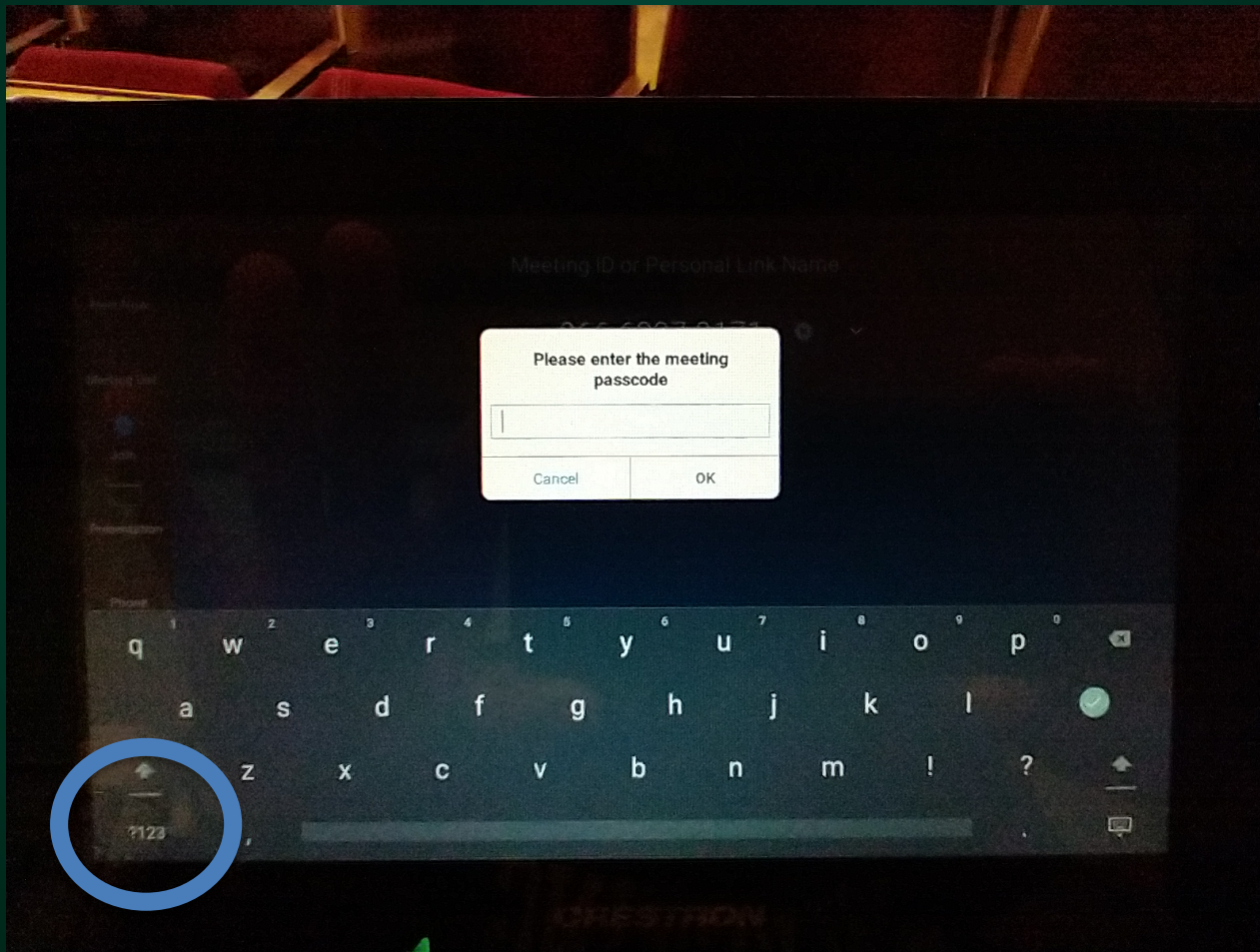
**Source Volume**

**End Class**

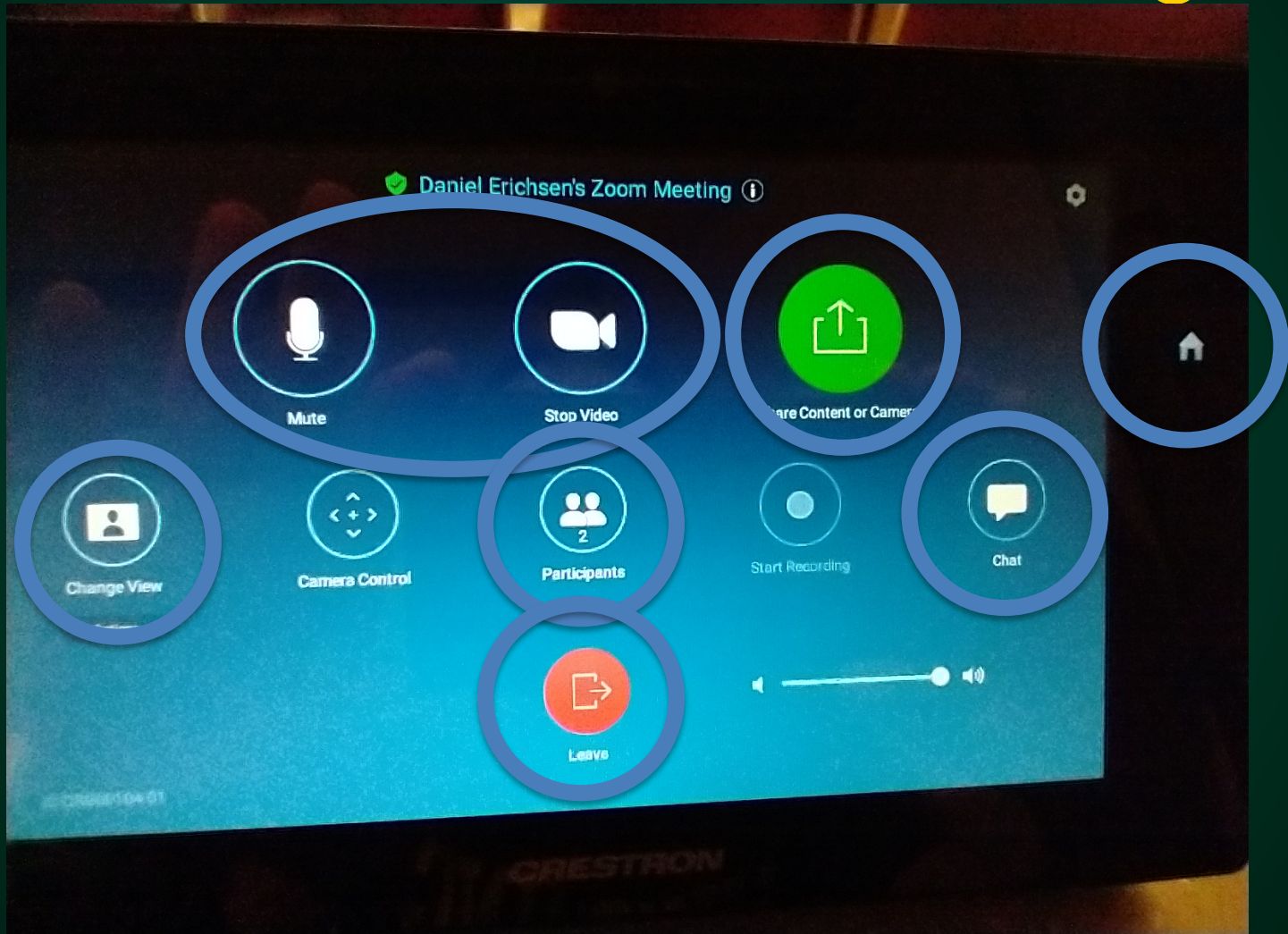
# Zoom Rooms Start Page



# Enter Passcode



# Zoom Rooms Control Page





# End Class

NDSU

Minard 112

12:00 PM

Zoom Room Mode



Computer



Doc Cam



Laptop



Mobile



PC Controls

Video Mute

On

Off

Video Freeze

On

Off

Open Camera Controls

Open Zoom Rooms Controls



Source Volume



End Class

# Questions

# HyFlex Strategies

Learning & Applied Innovation Center

# Course Logistics

- Have students take turns monitoring the chat for you.
- Review the classroom etiquette both in class and remote
- Raise hand function for remote
- Mute mics when not speaking
- Use a headset, helps with audio echo
- Ask student to put C or R in front of name

# Promote Active Learning

- role-playing
- case studies
- group projects
- think-pair-share
- peer teaching
- debates
- Just-in-Time Teaching
- discussion forums

# Engage all students

- Encourage student interaction: talk with learners, not at them
  - Icebreaker activities: the wave, how are you today 1-2-3?
  - Zoom polls, TurningPoint questions, Discussion forum
  - Google docs
- Enlist help for HyFlex roles – TA's and rotating student roles
  - Test equipment
  - Monitor chat & hands raised
  - Set up breakout rooms
- Pair up peer “buddies” – in-person with remote

# Breakout Rooms

- In-person use headsets
- Roles in rooms – reporter, note-taker, challenger, timekeeper
- Active learning strategies

# Top 10 HyFlex Teaching Tips

1. Design to include asynchronous
2. Balance in-person and remote learners
3. Repeat questions from in-person learners
4. Look into camera when talking to remote learners
5. Ask questions and comments from remote and allow time
6. Use annotation (doc cam, Zoom whiteboard, etc.)
7. Small group discussions (breakout rooms)
8. Include information in syllabus
9. Asynchronous communication tips
10. Be aware when screen sharing



# Questions