This document was developed to address the need for quick, effective Technology Enhanced Classroom training. We hope you enjoy it. Within it you will learn:

- How to use this training
- Who we are and what we do
- Related Services
- Reserving Delivery Equipment
- What equipment is in this classroom
- Technology Enhanced Classroom Operation
- Who to call for help

**How to use this training**

This document will provide you with the information you need to operate this Technology Enhanced Classroom.

**Who we are and what we do**

The department of Audiovisual Services is part of CIS Academic Technology. Audiovisual Services offers a wide variety of services to the UNH community. These include:

- Equipment deliveries for class presentations
- Maintenance of classroom AV equipment including projectors, computers, laptop connections, video playback equipment and sound reinforcement
- Special Event production
- Audiovisual system design and consultation
- Hands On and Distance Learning computer classrooms
- Videoconferencing

There are a few things in your classroom which Audiovisual Services does not have the ability to replace, fix or troubleshoot. These include network jacks, lighting controls, ceiling tiles, windows shades and other parts of the facility. We will happily direct your call or give you information as to who to contact if there are issues with these components to the room.

**Reserving Delivery Equipment**
One of the main services provided by Audiovisual Services is equipment deliveries. We have a fleet of laptops (Dell and Macintosh), Video/Data projectors along with various numbers of overhead and slide projectors, televisions with built in VCR/DVD players, and DV- Cams. We also deliver small speakers for reinforced audio playback, and 16 mm film projectors, to name but a few of our delivered items.

To make a reservation please use the online web form.

- Online: Our Web Form asks for the specific information we need to process your request as quickly as possible.
- If you have any problems or questions about the web form please call: 862-4211.

Some things to note about our reservations process.

- All reservations are handled on a first come, first serve basis.
- Please allow 2 business days for the processing of your request. An email confirmation will be sent to you as soon as your request has been processed. If we do not have an email address, a phone confirmation will be provided.
- Until an email/phone confirmation has been made, the equipment reservation is not confirmed. A request submitted without an email address or phone number cannot be processed. Please give your preference of contact information (email or phone). Any addition to an existing request will be considered a new request. The same procedures will apply.

James G54 Training

Installed Audiovisual Equipment

James Hall G54 contains the following audiovisual equipment for use in your teaching:

- Video/Data Projector (for computer and video)
- Laptop Connector
- VCR (in closet)
- DVD (in closet)
- Auxiliary Video/Audio input
- A sound system
- A Crestron control system with touchpanel
- A network connection with cable
Technology Enhanced Classroom Operation

**QUICK START – Auto Projecting a Laptop**

TEC Rooms are equipped with a *Quick Start* feature. Connect the 15 pin VGA Cable to your laptop (be sure it is connected to the *Input Panel* on the other end). As soon as your laptop sends a signal, the projector will *automatically* turn on and select Laptop as the source to project. If the projector does not turn on (remember it takes about 60 seconds to warm up and project) check that the VGA cable is connected to the computer and the Input Panel.

If you are using a Mac, you will need to bring your display adapter.

If projector does not turn on, toggle your display:

For PC: Depress the “Fn” key along with either the “CRT/LCD” key or the key.

For Mac: Open system preferences and click “displays”. Then click “detect displays” and make sure both resolutions are set to 1024x768

When you unplug your computer from the cable, the projector will automatically turn off after 60 seconds. To cancel auto-shut down, just press the screen of the touchpanel.

**Turn the system ON**

1. Locate the touchpanel in the classroom. It will be located on the wall in the front of the classroom.

2. Touch the **TOUCHPANEL** to turn on the system.
   You may need to press the panel twice if the panel is in sleep mode

3. Select the **Audio ONLY** (For playing audio without turning on the projector) or **Projection** (For accessing all audiovisual equipment installed in the room. Will also turn on projector).

4. Wait for the Video/Data projector to warm up. This should take about 45 seconds.
5. Insert VHS tape or DVD into the corresponding player, connect Auxiliary device, or connect laptop if using the cable provided.

**Using a laptop:**

1. Turn on the system as detailed on the previous page, and Select PROJECTION.

2. With your laptop OFF, hook up laptop to the laptop connector in the room using the 15 pin cable provided. The cable is located on the front wall. See diagram above in “QuickStart”.

3. Turn on your laptop.

4. When the options become available on touchpanel, select LAPTOP.

5. If you require audio support, please connect the long end of the audio cable to the HEADPHONE jack of your laptop when connecting the 15 pin cable. The volume control is located on the touchpanel.

If your laptop does not project after following these steps, you may need to toggle your display between the laptop screen, the LCD or dual display.

This can be done by pressing the **Fn** key (located at the bottom of the keyboard) and one of the **F#** keys. You can find the appropriate F# key by looking for either the letters **CRT/LCD** on the F# key or the image shown to the left.

For a list of common laptop brands and their video toggle keys, please [click here](#).

**AV TECH TIP #1:** Movie files will not play on both displays. If you need to project a movie file, please toggle the laptop to LCD display only.

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**Using a VHS tape:**

1. Turn on as described on the "Turn the system on" page.

2. Select VHS on the touchpanel

3. Insert your tape in the VHS which is located in the black rack in the closet (the closet is locked – please call AV services for more information).

4. The touchpanel contains volume and VHS playback controls.
AV TECH TIP #2: Use the PICTURE MUTE TOGGLE button when you want to project a blank screen. This is often an effective attention-getting classroom maneuver. Press the PICTURE MUTE TOGGLE button to display again. Please note that the display mute function will only mute the display for 10 minutes. After that 10 minute period has elapsed, you will not be able to use the mute function for 5 minutes. If you need to mute the display for more than 10 minutes, please power down the system (see Shutting down the System).

Using the DVD:

1. Turn on as described on the "Turn the system on" page.
2. Select DVD
3. Insert your disc into the DVD Player which is located in the black rack in the closet (the closet is locked – please call AV services for more information).
4. The touchpanel contains volume and DVD playback controls.

   AV TECH TIP #3: The DVD players in the classrooms will also play audio CDs

Video Preview

These rooms are equipped with a Video Preview feature. This will allow you to your your DVD, VHS or auxiliary video source on the touchpanel without having to put the image on the Video/Data Projector screen. You can put you DVD or VHS into the player at the start of class, and cue and control playback without having to enter the closet again.

While having DVD or VHS input source selected, a VIDEO PREVIEW button will be available on the touchpanel. Press this button to enter preview mode. Your DVD or VHS video will appear on the touchpanel, and controls will be superimposed over the video image. You can cue you video, and then select the EXIT PREVIEW button to return to the input selection and main control screen.

Using Audio Only:

Playing a CD using the DVD Player

Step 1: Make sure DVD player is on
Step 2: Press “Audio ONLY” and then insert Audio CD into DVD player in the closet.
Step 3: Use controls on the touchpanel, the DVD player, or the remote control in the rack drawer. Volume is controlled on the touchpanel

**Auxiliary Audio**

Step 1: Connect your audio device with your appropriate cables and turn device on

Step 2: Press the button on the touch panel corresponding to the connection you made with your device

Step 3: Use controls on your device. Volume is controlled on the touchpanel

**Auxiliary Video**

Use Auxiliary Video inputs to plug in your own electronics.

**Auxiliary Component Video**

Step 1: Connect your video capable device to the interface and turn your device on

Step 2: Press “Video Projection and Audio” and then press AUX Input”
Step 3: On the touchpanel, select the component input connected to by pressing the corresponding button.

Step 4: Use controls on your device. Volume is controlled on the touchpanel.

**Auxiliary Composite Video**

Step 1: Connect your RCA composite capable device to the interface and turn your device on.

Step 2: Press “Video Projection and Audio” and then press “AUX Input”.

Step 3: On the touchpanel, select the composite input connected to by pressing the corresponding button.

Step 4: Use controls on your device. The volume is controlled on the touchpanel.

**Controlling the classroom environment**

When the projector is turned on, the lights and shades in the classroom will automatically adjust to optimum viewing levels. You can also make changes to suit your needs.

To make changes to the classroom environment, press the ROOM hard button on the touchpanel.

From the ROOM screen you can control widow shades (sun and blackout), projection screen, and lighting.

**Windows:**
Sun Up/Down will raise and lower the sun shades. Black Up/Down will raise and lower the blackout shades.

**Lights:**
These are 5 lighting presets you can use to fit your material and teaching style.
Hard Button Instructions

Turning the System Off

1. Remove all media from VHS or DVD players.
2. Press the **SHUTDOWN** button.
3. Select **Yes, SHUT DOWN**.
4. Disconnect laptop, if one was used.
5. Neatly put away laptop cable, remote controls you may have used.

Who to call for help

If you are in class and need immediate assistance call:

**AV Services Hotline: 862-2467.**

This line is staffed from 8:00 am to 9:30 pm Monday through Thursday and from 8:00 am to 5:00 pm on Friday. Please feel free to call if you have questions, concerns or equipment issues.

If you would like to arrange a one-on-one training session please contact Chris Way, Audiovisual Training Specialist, by emailing chris.way@unh.edu or calling 862-0572.
For more information, please go to the Audiovisual Services website at http://it.unh.edu/audiovisual.

For more information on technology or training in other Technology Enhanced Classrooms please go to:  http://it.unh.edu/classroomtechnology

You have now completed the training for James G54.