Colorado State University
Classroom Technology Update & Proposal

Spring 2015 – FY16
With the UTFAB’s support – Annual Classroom Technology Refreshes

G.A. Classroom Refreshes & Upgrades 4 / 5 Year Refresh Rate

• New Data projectors – Brighter – Lower Maintenance
• Lecture Capture Ready – associated equipment
• Digital / HDMI source inputs and outputs
• New Audio Amp – Green Lower Power consumption
• Standard Creston Controls – for Classroom Monitoring
• Newer High resolution Document Cameras
Technology Refreshes & Upgrades for FY 15 – Completed

- Clark Awing Projector Refreshes & Upgrades – 11 Rooms
  - A102  A103
  - A104  A201
  - A202  A204
  - A204  A205
  - A206  A207
  - Higher Brightness
  - Standard wide screen resolution
  - Longer Lamp Life
  - Available 5 year warranty

Clark A101 – Large Venue Projector = Larger Screen Size – Challenges
- Increased brightness +
- Increased resolution +
- Rugged build quality for daily auditorium use
Technology Refreshes & Upgrades for FY 15

Classroom Technology – Full Smart Classroom remodels

- Physiology 243 - Completed
  - New Projectors
  - New Lecterns
- Plant Science W9 – Completed
  - Electric Screens
  - Crestron Touch Panel & Controls
- Education 7 – Summer 2015
  - New Sound Systems
- Scott Bio 229 – Echo 360 - Completed
Classroom Technology recent upgrades continued

UFFAB-FY15 - (Full Classroom remodels)

- Behavior Science B105 – (Flipped Classroom Remodel)

- Clark Cwing
  - C142
  - C144
  - C146

Winter Break FY15
CSU UTFAB

Classroom Technology
Proposed Plan
FY 16
CSU Classroom Technology FY16

General Assignment Classroom Technology
Proposed FY16 Plan

- 11- Clark Awing Switcher upgrades – HDMI standard
- 10- Classrooms - Due for a Technology Refresh
- 4 – Classrooms Needing a more extensive overhaul
- Annual Classroom PC Support / upgrades
- New Technologies – Wireless BYOD Devices
# Classroom Technology Proposed FY16 projects

<table>
<thead>
<tr>
<th>Classroom PC Support</th>
<th>Support and upgrades</th>
<th>$10,000.00</th>
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</thead>
<tbody>
<tr>
<td>Flipped BYOD Devices</td>
<td>Crestron Airmedia</td>
<td>$5,000.00</td>
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<td>$186,400.00</td>
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### Breakdown of Projects:

<table>
<thead>
<tr>
<th>Location</th>
<th>Equipment</th>
<th>Cost</th>
<th>Status</th>
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</thead>
<tbody>
<tr>
<td>Clark Awing Upgrades</td>
<td>Switcher and HDMI</td>
<td>$37,400.00</td>
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<tr>
<td>EDUCATION 13</td>
<td>Projector</td>
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<td>EDUCATION 105B</td>
<td>Switcher &amp; Projector</td>
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<td>ENGRG E106</td>
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<td>GIFFORD 146</td>
<td>Projector</td>
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<tr>
<td>GLOVER 201</td>
<td>Switcher &amp; Projector &amp; Screen</td>
<td>$12,000.00</td>
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<td>GUGENHIEIM 107</td>
<td>Needs Overhaul</td>
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<tr>
<td>JOHNSON HALL 222</td>
<td>Switcher Upgrades</td>
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<tr>
<td>MILITARY SCIENCE 105</td>
<td>Projector</td>
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<tr>
<td>MILITARY SCIENCE 115</td>
<td>Projector / Control / Audio</td>
<td>$8,000.00</td>
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<td>PATHOLOGY 109</td>
<td>Projector Upgrade</td>
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<td>Rockwell 36</td>
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<tr>
<td>TILT 221</td>
<td>New Switcher &amp; projector</td>
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<td>WAGAR 132</td>
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<td>WAGAR 231</td>
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<td>WAGAR 232</td>
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Additional details and cost breakout will be provided >>
Additional Upcoming Classroom Projects – Spring / Summer 2015

Health and Exercise Sciences – Addition – Completion Date July 2015

- Two New Classrooms
- One new G.A. Classroom – 120 Seats
- One HES Classroom – 32 Seats
- Collaboration Designed w/ Monitors
Additional Upcoming Classroom Projects – Spring / Summer 2015

Eddy Hall Revitalization Completion Date August 2015

- Two New Classroom – 100 & 200
- Dual Screens
- Collaborative ready with side monitor
- Remodeled Entrance / Hallways
- Remodeled Classrooms
Plant Science C101 Lecture Hall Remodel Completion Date August 2015
Additional Upcoming Classroom Projects – Spring / Summer 2015

UFFAB-FY16 - (Full Classroom remodels)

Continued Progress on the Clark CWING

2\textsuperscript{nd} and 3\textsuperscript{rd} Floor Classrooms - TBD
Questions / Comments
Current Clark Awing Video Flow

At the Lectern

- PC-DVI
- HDMI to DVI Cable
- Blu-ray
- HDMI to DVI Cable
  - Laptop VGA
  - Doc Cam VGA
  - Doc Cam VGA

Kramer VP311DVI

EXTRON

EXTRON DVI 201 TX

C45s

C45s

HDMI RX

Panasonic PT-FW430 Projector

Lecture Capture
Echo 360

VGA RX

VGA

VGA

VGA
Clark Awing Upgrades

Proposed Clark Awing Video Flow

At the Lectern

- New Switcher / Scaler
  - Laptop VGA
  - Doc Cam VGA
  - Laptop HDMI
  - Blu-ray HDMI

- Extron IN 1606 Switcher / Scaler

Lectern PC

- HDMI

New Equipment

HDMI Tx

Single Cat5e

HDMIRX

HDMI

Panasonic PT-FW430 Projector

Lecture Capture Echo 360

New Equipment
Full Classroom Upgrade – Rockwell 36

Remodeled Needed
Rockwell 36 Proposed Remodel