Lecture Hall Rating Activity
Using Section 6: Tools, Technology, and Furniture (TTF)

TTF Credit 1: Room Control

**Intent**
To enable participants in presenter roles to utilize the capabilities of the room using a single interface.

**Requirements**
Provide a control panel or similar mechanism at the presentation station that enables the user to access and control the room's functions. The user interface must enable the quick, straightforward interaction to configure and re-configure the room's settings. The control panel must offer both pre-set configurations as well as the custom resetting of individual room functions.

*Room Controls in Lecture Hall*

- A/V control panel
- Dual boot computer (Mac+Windows)
- Help Phone
- Outputs for laptops

TTF Credit 2: Adequate network access student locations

**Intent**
To ensure adequate network connectivity for participant work

**Requirements**
Option 1: adequate wireless service to all points in the room
Option 2: Ethernet jack at each seat
Both options: Sufficient connectivity to the campus network to support all course activities that participants need to perform.

*Beyond Utilization* [http://www.educause.edu/E2011/Program/SESS103](http://www.educause.edu/E2011/Program/SESS103)
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Adequacy means sufficient bandwidth capacity to handle peak loads. What constitutes adequacy is relative to the requirements of the curriculum and activities that will be conducted in the space.

<table>
<thead>
<tr>
<th>Network Adequacy for Students in Lecture Hall</th>
</tr>
</thead>
<tbody>
<tr>
<td>• No wired outlets for students</td>
</tr>
<tr>
<td>• Wireless throughout</td>
</tr>
</tbody>
</table>

TTF Credit 3: Adequate network connectivity for presenter location(s)

**Intent**
To ensure adequate network connectivity to support and enable presenter activities in support of active pedagogies.

**Requirements**
Option 1: wired access for each presenter location
Option 2: wireless access for each presenter(s)
Both options: Sufficient connectivity to the main campus network to support all course activities that presenters need to perform.

<table>
<thead>
<tr>
<th>Network Adequacy for Presenters in Lecture Hall</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Wired access at lectern</td>
</tr>
<tr>
<td>• Wireless access at lectern</td>
</tr>
</tbody>
</table>

TTF Credit 4: Clear, high resolution visual displays supporting presentation and collaboration

**Intent**
To enable sharing of visual data, text, still and motion images by students and that are visible and easily accessible to all students.

**Requirements**
*Case:* Presentation/display for general best practice viewing of digital learning material

*Option* - Presentation: digital projection systems adhering to local AV best practice recommendations (XGA minimum), including native support for 16:9 or 16:10 aspect ratio images, that is easily accessible to anyone in the class seeking to share content with fellow learners, regardless of brand or type of digital data source (i.e., brand or type of computer, dedicated video output – DVD, CDROM, etc.).

All projection modes must support audio output from a presenter’s device (e.g. a dedicated instructor’s station computer or a presenter’s laptop) of sufficient volume and clarity.
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**Visual Displays in Lecture Hall**
- Two fixed, ceiling-mounted projectors – 4:3 native aspect ratio, 6000 ANSI lumens
- video/audio output provided at lectern

**TTF Credit 5: Session capture and playback**

**Intent**
To generate recordings of the presenter’s activities and interactions with students that are available for student review.

**Requirements**
Provide the components necessary to capture the presentation and materials used and generated in the presentation.

Basic presentation capture includes presenter’s audio and presentation screens and automated with back-end processing and multiple output formats. The inclusion of shared writing surfaces, audience input, and remote presentations is desired.

**Session Capture in Lecture Hall**
- Plug-in capability at the front and rear of the room. Equipment not installed in the room, but can brought in and hooked up.

**TTF Credit 6: Support for Mobile Devices**
[No content for Credit 6 was present in the alpha draft.]

**Support for Mobile Devices in Lecture Hall**
- Plug-in audio capability for portable devices at lectern
- Wireless
- Variety of adapters available for checkout from Support office

**TTF Credit 7: Feedback Systems**
[No content for Credit 7 was present in the alpha draft.]

**Feedback Systems in Lecture Hall**
- No specific provision in the room, audience response systems available to be brought in.

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TTF Credit 8: Includes appropriate furniture

**Intent**
To ensure that furniture enables active learning options consonant with the space's overall purpose.

**Requirements**
Students must be able to position themselves to facilitate interaction with two or more peers; must also be able to change peers and teams more than once per class meeting.

*Case: tiered rooms*

*Option 1* - Two rows (or more) of seats per tier. Frontmost row has swivel seating allowing a 360 degree rotation to enable discussion with peer to the right, left, and behind.

*Option 2* - Position team work areas (clusters or sets of tables and chairs) on each tier.

### Appropriate Furniture in Lecture Hall

- 319 fixed seats w/tablets
- Sloped seating (no distinct tiers)

TTF Credit 9: Physical Storage

**Intent**
To enable a variety of activities and better overall utilization by having needed equipment close at hand.

**Requirements**
Case 1: Gear to support general technology enabled learning e.g., a large or specialized display that can be wheeled in and out, used by all disciplines, or computational devices (e.g., laptops) retrieved from powered storage locations that support 1:1 computing activities in the space.

Case 2: Artifacts and other resources specific to a discipline and a course (e.g., artifacts for an Anthropology class on the ancient civilizations of mesoamerica)

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The key characteristic is storage is sufficiently proximate to the learning space so as to guarantee quick, easy access for setup and clearance of the space.

Physical Storage in Lecture Hall
- Cabinet storage in lectern
- Old “projection room” at top for storage

TTF Credit 10: Adequate Access to Electrical Power

Intent
To ensure that all activities intended for the space have sufficient access to electrical power to enable active learning engagements

Requirements
Provide sufficient access to electrical power outlets for fixed equipment (such as dedicated projectors, installed computers) and for portable equipment that participants use during class sessions.

Access to Electrical Power in Lecture Hall
- Fixed equipment powered
- Outlets available at lectern
- No outlets available at student seats