**INTELECTUAL COMMONS**

**CLASSROOM REQUIREMENTS**

**May 10, 2013**

Preamble:

Class time is for lecture or for student-centered learning. Student-centered learning allows students hands-on activities, simulations, questions, or problems not limited to technology. The classroom has no formal “front,” allowing the instructor to identify the best lecture area for content being delivered and move about the room interacting with the individual student, groups, and/or teams. The classroom is sized to allow for comfortable circulation. The furniture is mobile, allowing faculty and students to select learning design for class time while granting easy access to the internet, power outlets, and projection spaces for all students. This classroom will have collaborative writing spaces (walltalker or mobile whiteboards) around the room allowing students to work hands-on activities individually or with groups. Projectors will be placed to allow students to view image from around the room instead of just the front wall. Furniture selected will allow for transition from lecture style setup to individual work, or group/team work. The classroom mantra going forward should include the terms flexibility and adaptability.

Classroom setup:

* No classroom will have a fixed teaching station
  + The teaching station will be portable
* AV equipment will have two options of controls through a panel or in a wireless environment
* Classroom equipment: A computer, DVD Blu-Ray Player, projectors
  + Wired classroom computer within a wall or credenza
  + Ability to project items for show-and-tell. Document cameras are the standard but currently requires tethering
    - TCU should consider iPad or other camera solutions instead of document camera
  + 2 ceiling mounted projectors to allow a dual image
  + DVD/Blu-Ray
    - TCU should consider installing the Blu-Ray in a computer slot
  + 1 wired Crestron fixed touch panel at the wall or credenza
  + Wireless solution
    - Examples: portable Creston pad, iPad, Tablet, PC, Mac) to connect to the AV equipment and lighting to eliminate tethering
  + Non-glare Walltalker or special whiteboard paint for whiteboard solution on all usable walls
  + No projector screens use wall space for projection
* Seating
  + Flexible, mobile ( on wheels)
  + No round or rectangular tables, recommended trapezoid or triangle tables
  + Chairs should allow storage of book bags under chairs

Infrastructure and Policy needs to create this classroom:

* Infrastructure built to a wireless standard
  + Internet connectivity must be built to allow for expansion
  + It is assumed that classroom instruction will become more small group oriented and/or individualized in the near future requiring more bandwidth
  + Use of personal faculty rather than University owned devices
  + Use of student devices smart phones, tablets, iPads, laptops
    - The proliferation of tablets and cell phones will increasingly tax the system.  This is a security and policy issue which will need to be addressed
  + Upgrade to Windows 8 or a later version to allow the use annotation during instruction and current iOS for iPad and iPhone.