Projection Classroom Plan
2012/2013

Preface
Despite the continuing budget limitations, upgrades and some additional construction of new projection classrooms has occurred. The demand for classrooms equipped with teaching technologies continues unabated. Currently, there is a particular need for larger classrooms equipped with these technologies.

Recent Implementations
Listed below are the improvements from upgrading and new construction of campus technology rooms.

New Full Projection Classroom
Flagg 103 (Room renovation summer 2011, projector/podium Winterim 2012)

New Limited Projection Classroom (laptop required) with ad hoc scheduling
Flagg 204 (Room renovation summer 2011, projector/podium Winterim 2012)

Projection Classroom Upgrades
Year one of 4 year cycle
Student Facilities/Classroom Computer Labs
Crane Midi Lab – new carpeting
Flagg 162 – 25 dual-boot Macs, new tables and flooring
Literacy Center – 25 new dual-boot Macs
Satterlee 104 – 25 new dual-boot Macs
Satterlee 300 – 21 new dual-boot Macs, new study tables and chairs

Recommendations
Continued Maintenance

Upgrades as required to existing rooms (projectors, podiums, lighting) should be a priority so that the capabilities of the current facilities do not decline. All current classrooms are currently on a four-year upgrade cycle and the Committee recommends continuation of this program.

Construction of New Projection Classrooms

During the 2011/2012 budget year, two additional rooms were renovated or developed. Due to CTS work load commitments, only two rooms could be constructed instead of the three limited rooms requested. As a result, Flagg 103 was renovated into a full projection room and Flagg 203 was converted into a limited (laptop required) room that can be scheduled on an ad hoc basis. Due to the January construction, information is not yet available on the utility of the ad hoc scheduled (Flagg 203) room. Continuing to increase the availability of projection capabilities on campus was again strongly supported by the Fall TLTR 2011 survey.
New Projection Classroom Location Ranking

After consultation with the Office of the Registrar, the following rooms have been identified (ranked in descending order below) as locations for future projection classrooms or improvements. Although we would request 3 limited classrooms, CTS work-load commitments continue to limit opportunity for constructing additional teaching spaces to only two rooms. As a result, the construction of one full classroom and one limited (laptop only) room is requested. The two rooms requested for 2012/2013 are Carson 201 and Dunn 204.

1. Carson 201 (full podium, seating 36). It will provide a much-needed access for the Math Department in particular. Issues here involve handicap accessibility based on student enrollment in the courses assigned to this room. Since this might require involuntary switching of two courses between this room and another projection room, it needs to be constructed as a full projection room.
2. Dunn 204 (limited podium-laptop, seating 31). It would complete the conversion of rooms in Dunn Hall into projection classrooms.
3. Crane Plaza B115 (seats 62), or Schuette Hall A323 (seats 28). This would convert a limited room constructed with Crane funds into a full podium room and add it to the four-year CTS cycle. Crane would continue scheduling the rooms.
4. Upgrading of Kellas 103,104,105 (seating 105,106,205). These rooms have rear-projection screens that currently do not provide the appropriate viewing needs for all courses taught in them. The solution (according to CTS) is to move to front projection (new projectors) with new screens. Ranking would likely be largest capacity first.

Additional Construction

We also request that funds saved by the construction of one full and one limited room (instead of two full projection rooms) be utilized in one of two ways:

1. CTS and Physical Plant are encouraged to continue working to compare the list of potential projection classrooms with building renovation schedules to facilitate subsequent CTS-lead technology installations. Specifically, for this year, Physical Plant could begin the required work (such as screen installation or electrical connections) in Kellas although the technology installation would be postponed.
2. Increase the projection capabilities in small teaching laboratories and seminar rooms. These needs could well be met through the use of flat panel screens with the appropriate technology to connect a laptop. The new library conference room (Crumb 205) would be an example. Normal construction funding for renovating these rooms does not typically allow for technology purchases. Some funding via projection classroom development could be utilized for minimal cost (on the order of $1000 for each as estimated by CTS) in beginning to equip these facilities. The Planning subcommittee will select appropriate rooms for installation should this option be utilized.
Common Projection Room Standards

The Committee proposes that a common projection room standard needs to be developed across campus. This would include:

- Lighting that includes dimming options and window treatments in rooms so that they can be made adequately dark.
- The placement of projection screens and black/white boards should be designed so that the use of one does not exclude or significantly limit the use of the other.
- Image quality should allow for viewing from any seat in the room, maximizing screen size where possible.
- Clear, updated, image-based tutorials for the use of hardware and access to software should be available on each podium (full and limited). These tutorials MUST be updated with ANY changes in hardware or software.
- Reduced operating system change time. Boot time is a major time issue to users. The time it takes for switching operating systems can significantly affect classroom time.
- Appropriate room security with the corresponding access/information transferred in a timely fashion to faculty, particularly for electronically keyed rooms.

Room Assignments

It is again recommended that the Registrar’s Office continue scheduling all Projection Classrooms in consideration of long-standing users of existing facilities and should be in consultation with the “home” department(s) that utilize(s) the classrooms frequently. In some cases, the equipment in these classrooms has been purchased, at least in part, by those departments. Labs, Studios and Special Use rooms should be exempt from general classroom use, unless there is dire need and in consultation with the “home” department(s).