

# 2011-13 CLASSROOM / INSTRUCTIONAL TECHNOLOGY PROPOSAL

**Institution:** University of Wisconsin - Madison

**Project Title:** Classroom Renovation and Instructional Technology Improvements

**Project Priority:** 1

**Funding:**

Classroom/IT Program Funds (Capital Budget):	\$ <u>223,300</u>
Classroom Modernization Funds (Operating Budget):	_____
Institutional Funds:	_____
Gifts	_____
Grants	_____
Total Project Cost:	\$ <u>223,300</u>

**Project Location:**

Building Name: Ingraham Hall  
Facility Number: 0056  
Room Number(s): 222

**# of Hours Scheduled/Week:** 16 WRPs - Fall 2011  
*(highest use--Spring 2010 or Fall 2011)*

**Project Goals/Justification:** *(Indicate importance of this proposal to your institution, issues to be resolved; utilization and classroom demand data; how the project is captured in the 2006 Classroom/IT Survey, Campus Master Plan, Six-Year Major Project list and/or Maintenance Plan; project impact; and other pertinent info for ranking purposes.)*

Ingraham Hall was constructed in 1954. Classroom 222 is a small-sized lecture hall located on the second floor. The accessible route begins at the first floor northeast entrance and uses an elevator that is part of the established ADA path of travel to the west entrance of the room. There is one accessible seating area at the front portion of the room. The demonstration area has a flat floor and is located at the west section of the room.

This classroom primarily serves departments from the College of Letters and Science. Course sections from departments housed nearby Ingraham Hall make up the majority of the class sections assigned into this classroom (Economics, Mathematics, Political Science and Sociology). Class enrollments have ranged from 18 to 69 over the past four semesters with an average of 12 Weekly Room Periods. There is no modern audiovisual technology in this classroom. The University's Office of the Registrar has identified increasing demand for modern lecture halls with flexible seating formats in the 40-60 capacity range. No major room improvements have occurred since original building construction aside from an inaccessible seating platform project completed in 1981.

At this time the Campus Master Plan has not identified any new facility upgrades or any planned departmental relocations within Ingraham Hall. There are no Major Projects or substantial maintenance improvements proposals for this facility in the near future. Although the 2006 Classroom/IT Survey classified classroom 222 Ingraham Hall as a type A classroom, there remain several sight line, equipment and access issues that can only be addressed by a total room renovation. The recent addition of audiovisual equipment in adjacent classrooms 223 and 224 has dramatically increased the utilization for each room. Low classroom utilization levels in 222 are a result of no audiovisual equipment and the undesirable fixed seating arrangement. It is critical that this classroom be remodeled during the proposed remodeling timeframe to help minimize disruption to surrounding classroom instruction.

*If prior Classroom/IT Program funding was received for a classroom now being requested, include a brief description of what was done, when, and why funding is being sought a second time.*

NA

**Project Scope: Assignable Square Feet (ASF):** Current 1,064 Proposed 1,064

*(Describe the work involved, i.e., creating new classrooms; resizing; HVAC, electrical, lighting modifications; resolving ADA issues involving path of travel, water coolers, restrooms, etc; asbestos removal/abatement; lead paint removal; acoustical treatment; improved sight lines; seating replacement; floor, wall, ceiling, window treatments; technology requirements; etc. )*

This renovation project will address general building ADA issues (provide compliant door hardware, signage, assisted listening devices, closed captioning) as well as specific improvements to the demonstration and wheelchair seating areas. The renovation will improve sight lines to the demonstration area as well as provide a large video image at the teaching wall. The current seating is in constant need of repair and many of the chair parts are no longer manufactured. The mechanical systems serving these classrooms are inadequate and require new room unit ventilators to help increase airflow and suppress unwanted mechanical noise. The east facing windows require working shade and window film treatment. The interior of this room would receive new paint, acoustical wall panels and floor coverings. Asbestos floor tile would be abated via a separate State contract and funded via the project. The concrete floor would be prepared and recovered with interchangeable carpet tiles throughout the area. A new, low-maintenance suspended ceiling with 2' x 2' acoustic tiles would be installed. Energy efficient general lighting as well as specific task lighting for the instructor, stage and demonstration wall is included. A campus standard audiovisual system (LCD video projector, document camera, DVD/CD player and program audio system) will be provided. All of the audiovisual devices will be contained in an instructor station located at the front of the classroom. Infrastructure to provide lecture capture capabilities is included with the new audiovisual system. A standardized control program will be provided and installed by the University's Classroom Media Support staff. All audiovisual equipment and lighting will be controlled by a user-friendly touch screen panel mounted on top of the instructor station. Although the facility has wireless networking capabilities, additional access points may be provided by the University's Division of Information Technology during renovation.

**Floor Plan:** *Attach a building floor plan (PDF format) for each project that provides: (1) room dimensions; (2) ceiling height; (3) wall changes, if any; (4) identification of front/teaching wall; (5) placement of teaching station/electronics; (6) door locations; (7) ADA path of travel; (8) seating arrangement, if known; and (9) any other known attributes.*

Items #1-9 attached

**Data Connection:** *Describe existing/proposed data connections other than at the front of the classroom. Include wireless if equipment purchase is part of the project.*

Add data connections at the proposed Instructor Station in addition to the current wireless coverage throughout the facility.

**Technology Level:** Current 1 Proposed 3+

**Technology Level Definitions:**

- **Level 1:** Basic classroom containing chalkboard or marker board; projection screen; overhead projector; lighting fixtures switched in groups; darkening shades; voice and data connections; podium, cart or lectern. These rooms are “portable ready” implying that any combination of portable equipment could be brought into the room.
- **Level 2:** Classroom with all the features of Level 1 plus traditional instructional technology, such as VCR, TV, sound system, DVD player, CD player, etc. Room lighting shall be appropriate for note-taking during video presentations.
- **Level 3:** Classrooms with all the features of Level 2 plus video/data projector and a teaching station with nearby access to controls for all A/V equipment, room lighting and room sound system. Wired network connectivity at each fixed seat or fixed table student station may be included in this category.
- **Level 3+:** Classrooms with all the features of Level 3 plus a teaching station with an electronic touch screen for control of all A/V and room functions. Can also include digital recording capabilities to record lectures for selective viewing at a later time.
- **Distance Learning Level:** Classrooms equipped with a two-way video system to support distance education.
- **Active Learning Classroom:** Classrooms furnished and equipped with multiple computerized learning pods and a portable computerized teaching station that enables the instructor to electronically connect to any/all of the connected learning pods.

**Room Type:** Current: B Proposed: A

Classrooms are categorized as Type A (functional) or Type B (substandard) instructional spaces. Reasoning for identifying an instructional space as a Type B may be based on a single issue or any combination of issues as identified below. Check the first column of all appropriate codes that apply to current conditions; check the second column if the proposal will correct the issue.

Room Type B Codes:

<u>x</u>	<u>x</u>	Using the 25 SF/student standard, classroom capacity is reduced to an unusable size
___	___	Poor aspect ratio
<u>x</u>	<u>x</u>	Insufficient ceiling height
___	___	Irregular classroom shape or poor configuration
<u>x</u>	<u>x</u>	Column or other sight-line interference
___	___	Inadequate exiting for existing room capacity
<u>x</u>	<u>x</u>	Inadequate access for those with disabilities
<u>x</u>	<u>x</u>	HVAC system deficiencies
___	___	Below-grade moisture or dampness problems
___	___	Noise or vibration from adjacent spaces
<u>x</u>	<u>x</u>	Inadequate space available for instructor console
___	___	Other (please define)

**Seating Capacity:** Current 74 Proposed 55

**Existing Seating Arrangement**

Fixed? Yes x No \_\_\_\_\_  
Tablet Arms? Yes \_\_\_\_\_ No \_\_\_\_\_  
Fixed Tables? Yes \_\_\_\_\_ No \_\_\_\_\_  
Non-Fixed Tables? Yes \_\_\_\_\_ No \_\_\_\_\_

**Reuse Existing?** Yes \_\_\_\_\_ No x

**Proposed Seating Arrangement (if not reusing existing)**

Fixed? Yes \_\_\_\_\_ No \_\_\_\_\_  
Tablet Arms? Yes x No \_\_\_\_\_  
Fixed Tables? Yes \_\_\_\_\_ No \_\_\_\_\_  
Non-Fixed Tables? Yes \_\_\_\_\_ No \_\_\_\_\_

**Existing Floor**

Tiered? Yes x No \_\_\_\_\_

**Proposed Floor**

Tiered? Yes \_\_\_\_\_ No x (flat)

**AV Consultant:**

(If "Yes" is checked, indicate why an AV consultant is needed.)

Yes \_\_\_\_\_ No x

**Link to Classroom Demand Analysis:**

Form (to be updated by 12/1/2011) found at:

[http://www.wisconsin.edu/capbud/documents/planning/planguide/CPDP/Documents/Support\\_Docs/CPDP\\_SD\\_ClsrmDemandAnnRpt.xls](http://www.wisconsin.edu/capbud/documents/planning/planguide/CPDP/Documents/Support_Docs/CPDP_SD_ClsrmDemandAnnRpt.xls)

Updated Demand Analysis attached. Please note that UW-Madison is currently reviewing classroom utilization data. Classroom efficiency recommendations will be made at a later date.

**Project Budget:** Use project budget worksheet provided separately.

Attached.

**Project Schedule:**

Classroom will be off line from January 2013 to August 15, 2013

(Month/Year)  
Bid Date: January 2013  
Construction Start: March 2013  
Completion Date: August 2013

**Please complete the following:**

- |  | <b>YES</b>                          | <b>NO</b>                | <b>N/A</b>               |
|--|-------------------------------------|--------------------------|--------------------------|
| 1. <i>Are hazardous materials involved (i.e., asbestos, lead paint, PCB ballasts, etc.)? If yes, identify the materials and indicate how they will be handled.</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Asbestos floor tile to be removed under a separate contract and managed via the project.

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- |  | <b>YES</b>               | <b>NO</b>                           | <b>N/A</b>               |
|--|--------------------------|-------------------------------------|--------------------------|
| 2. <i>Will the project impact the utility systems in the building and cause disruptions? If yes, to what extent?</i> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

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- |   | <b>YES</b>                          | <b>NO</b>                | <b>N/A</b>               |
|---|-------------------------------------|--------------------------|--------------------------|
| 3. <i>Will the construction work be limited to a particular season or window of opportunity? If yes, explain the limitations and provide proposed resolution.</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Classroom renovation to occur the spring and summer semesters with an August 2013 completion date, in time for a fall semester occupancy. Adjacent classrooms within the facility will be used during construction for spring classes and exams (January – May). It is necessary to minimize disruption to the surrounding areas during this portion of the project.

**Required Attachments being submitted with this proposal** (check appropriate boxes):

- |                                     |   |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Supporting Budget Information (DSF Budget Worksheet, consultant's estimate, etc.) |
| <input checked="" type="checkbox"/> | Itemized Movable Equipment List   |
| <input checked="" type="checkbox"/> | Itemized Fixed Equipment List   |
| <input checked="" type="checkbox"/> | Floor Plan (PDF format)   |

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