

# Instructional Space Project Request

## 2013-15 Biennium

<u>Agency</u>	<u>Institution</u>	<u>Building No.</u>	<u>Building Name</u>
University of Wisconsin	Extension	285-OT-0006	Pyle Center

Location ID Rooms: 227, 232, 235, 327, 332, 335

Project Title Pyle Center Lecture Capture

### Project Intent

The project intent is to transform the Pyle Center into an enterprise-level lecture-capture learning center (ELC) and to position Instructional Communications Systems (ICS) as the authority in hybrid-learning pedagogy. Through this capability, ICS will be able to provide hybrid learning very efficiently. The combination of improved educational quality and cost efficiency is to the strategy to create more learning opportunities for Wisconsin.

Lecture-Capture is a computer-based technology that allows the instructor to record, process, store, and deliver the learning experience, including: audio, video and content of a class. The video file or more commonly referred to as "learning object" can then be used as a resource for creating new learning experiences and/or opportunities.

### Project Description

The ELC automates and simplifies the lecture-capture process at the Pyle Center. It involves designing, installing, and developing a work-flow to provide an effective and cost efficient lecture-capture capability in six rooms (Rooms: 235, 232, 335, 332, 227, and 327) at the Pyle Center. It is further proposed to develop this capability at the enterprise-level, as opposed to developing the capability one room at a time for the following reasons: (1) consistency of product – to ensure only one version of hardware and software, (2) inventory minimization – multiple products will require multiple sets of inventory, (3) consistency of training – clients need to be train once to use all rooms, and (4) process minimization – to ensure only one process to drive all six rooms.

To be lecture-capture enabled, the following equipment will be installed in each room: (1) presenter video tracking system, (2) wireless audio interface, (3) enhanced lighting system and (4) an enterprise video solution. Each room will have a standardized set of equipment. However, due to the unique features of each room, the placement of equipment will vary to leverage on the uniqueness of each room.

The proposed rooms are all distance education (DE) enabled and media-powered enabled and therefore require no extensive remodeling or physical modification, except for replacement of some light fixtures, and specific window treatment in 2 rooms (235 and 335) to control room illumination for proper lecture-capture. The project equipment will be an add-on and will be integrated into existing audio-visual infrastructure. ICS will provide design, installation, and support to improve the classroom capability.

### Project Justification

The project justification is based on significant learning improvements in the areas of effectiveness and efficiency. It is this combination of effectiveness and efficiency that is expected to result in better quality education and increased number of programs offered through ICS and the Pyle Center.

ICS is currently not capable of providing lecture-capture services very efficiently. With the existing classroom configuration and work-flow, it is estimated that it requires four hours of pre and post production, including set-up, tear-down and other post production activities to capture each lecture. The lecture-capture capability proposed in this project will shift ICS technical staff for more important roles such as (1) interacting with faculty to ensure best quality, (2) ensuring event reliability rather than manning the camera, and the (3) ability to support more rooms simultaneously.

Lecture-capture has become a very important learning strategy in education. This is even more apparent in adult and non-credit bearing continuing education programs that are supported by ICS and the Pyle Center. The strategic value of lecture-capture is that it enables an in-person program to be transformed and/or extended to a hybrid program very efficiently. It is this ability to

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capture and share the in-person class experience that has very exciting cost and pedagogical potential. This capability will provide the strategic advantage of continuing education programs that we serve and as a consequence create more learning opportunities for students across Wisconsin.

The goal of this project is to improve the instructional spaces identified. The improvements are designed to be in the following areas: (1) pedagogy, (2) efficiency, (3) production quality. These areas will greatly assist ICS and ICS' clients to achieve their respective mission of extending education through the use of communication and educational technologies.

When Completed:

- (1) Pedagogy - The project will position the Pyle Center classrooms and ICS as the authority in hybrid-learning. ICS' focus has been in Distance Education (DE). The project is a natural extension to DE by integrating the in-person experience with a distance-learning experience. This integration opens up a wide range of possibilities in learning opportunities and will ensure that Wisconsin educators remain relevant to their students.
- (2) Efficiency- The project will have a significant and positive impact on ICS operations, resources, and users of ICS services (Clients). By automating the Lecture-Capture process ICS technical staff will be available for other value-added tasks. Equipment set-up/tear down, test-runs, personnel scheduling, will no longer be necessary as the process will be automated.
- (3) Improved Quality – The equipment installed will ensure consistent quality production.

### Project Budget

Equipment Cost:		\$	
A/E Design Fees:	8.0%	\$	
Other Fees:	0.0%	\$	
DFD Mgmt Fees:	2.0%	\$	
Contingency:	5.0%	\$	
Movable Equipment:		\$	
<b>TOTAL:</b>		<b>\$</b>	<b>198,200</b>

### Funding Source

General Fund Supported Borrowing	\$	
Institutional Funds (GPR)	\$	
Institutional Funds (PR)	\$	
Gifts	\$	
Grants	\$	
Other	\$	
<b>TOTAL:</b>	<b>\$</b>	<b>198,200</b>

Please note:

1. For flooring, furniture, seating, space and technology information, and detailed equipment list, please refer to the additional spreadsheet.
2. UWEX assumes DFD will allow UWEX Purchasing to bid/purchase the equipment. As in previous projects the 2% DFD fee was included for equipment purchases.

### Flooring and Furniture

	<u>Tiered</u>	<u>FS</u>	<u>FT</u>	<u>MT</u>	<u>TC</u>
Existing Conditions:	<input type="checkbox"/>				
Proposed Conditions:	<input type="checkbox"/>				

Tiered = tiered flooring

FS = Fixed Seating

FT = Fixed Tables

MT = Movable Tables

TC = Tablet Arm Chairs

### Seating and Space

	<u>Existing</u>	<u>Proposed</u>
Square Feet:	ASF	ASF
Seating Capacity:	Stations	Stations
Square Feet per Station:	ASF/Station	ASF/Station

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### Technology

Technology Level:

1 = Level 1  
2 = Level 2

### Existing

Level

3 = Level 3  
3+ = Level 3+

### Proposed

Level

AL = Active Learning  
DL = Distance Learning

### Audio-Visual Consultant Requirements

Indicate why and audio-visual consultant is required. Describe the intended scope of services and deliverables.

An audio-visual consultant is required.

An audio-visual consultant is not required for this project. ICS has in-house audio-visual consultants in the specifics area of videographers, instructional designers, and electronic technicians that will be capable as a team to design, install and implement the project.

### Project Schedule

Bid Opening: 10/2014  
Construction Start: 11/2014  
Substantial Completion: 04/2015

### Project Contact

Contact Name: Luis Fernandez  
Email: [Luis.fernandez@uwex.edu](mailto:Luis.fernandez@uwex.edu)  
Telephone: 608-262-1337

### Project Considerations

- |   | Y                        | N                                   |
|---|--------------------------|-------------------------------------|
| 1. Are hazardous materials involved? If yes, what materials are involved and how will they be handled?<br>No.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Will the project impact the utility systems in the building and cause disruptions? If yes, to what extent?<br>No impact at all.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Will the project impact the heating plant, primary electrical system, or utility capacities supplying the building, and/or within the building? If yes, to what extent?<br>No impact at all. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Will the construction work be limited to a particular season or window of opportunity? If yes, explain the limitations and provide proposed resolution.                                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

ICS is able to determine the best time for each classroom to be taken off-line for installation of the technology. Because of this ability to reassign events to alternative rooms, it is envisaged that the impact to classroom users and disruption of planned events will have no significant negative impact.