UNIVERSITY OF LOUISIANA AT LAFAYETTE

STEP Committee

Technology Fee Application

FGM and Moody Classrooms Podium Computer Refresh For An Active Learning Classroom

Title

B.I. Moody III College of Business Administration
Angel Littlejohn, ISM Manager

Name of Submitter
(Faculty or Staff Only)

B.I. Moody III College of Business Administration (MCOBA)
Information Systems & Multimedia Laboratories (ISM)

Organization

Title: **FGM and Moody Classrooms Podium Computer Refresh For An Active Learning Classroom** Date: January 2024

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ABSTRACT (250 words or less):

This proposal seeks support to revitalize FG Mouton classrooms 201, 202, 204, 205, 208, 214, 216 and 217, and also Moody classrooms 121, 122, 123, 124, 125, 127 and 130 in the Moody College of Business with upgraded computers to transform it into a better active learning space fostering collaboration and engagement for both educators and students. Currently, these classrooms are equipped with outdated computers in each podium, significantly hindering instructional quality, collaborative learning, and the room's utility for technology-dependent courses and special programs.

The Moody College of Business, in collaboration with the Office of Information Systems & Multimedia Laboratories (ISM), aims to upgrade these classrooms by installing one new computer in each podium. This technological enhancement aligns with the university's values of collaboration, intellectual curiosity, and creativity, promising a substantial positive impact on the learning experience for faculty and students across various colleges and disciplines.

Supporting this proposal will benefit students, faculty, and staff from diverse disciplines, providing the necessary technological infrastructure to meet and exceed their expectations. The replacement of computers in the classroom podiums underscores our commitment to advancing educational quality and supporting a dynamic, technology-enhanced pedagogical approach.

Purpose of Grant and Impact to Student Body as a Whole

In today's rapidly evolving educational landscape, integrating technology into classrooms is essential to enhance the learning experience and prepare students for the digital age. As such, replacing outdated computers in podiums within classrooms on college campuses becomes a crucial step in ensuring a modern and effective educational environment.

Technological Advancements and Educational Enhancement:
The field of education has witnessed significant advancements in technology, offering innovative tools and resources to facilitate interactive and engaging learning experiences. Upgrading computers in podiums allows instructors to leverage multimedia content, simulations, and collaborative platforms, fostering a more dynamic and immersive learning environment (Baylor & Ritchie, 2002).

Increased Accessibility and Flexibility:
Modern computers offer improved accessibility features, accommodating diverse learning styles and en-

suring inclusivity in the classroom. Moreover, upgraded podium computers can support a variety of software applications, enabling instructors to implement flexible teaching methods and cater to individual student needs (Dede, 2010).

Real-world Skill Development:
Equipping classrooms with up-to-date technology provides students with the opportunity to develop skills that are directly applicable in the workforce. Proficiency in utilizing advanced software, conducting online research, and collaborating on digital platforms prepares students for the demands of the contemporary job market (Johnson, Adams Becker, Estrada, & Freeman, 2015).

Enhanced Communication and Collaboration:
Modern podium computers facilitate seamless communication and collaboration among students and instructors. Integration with online platforms, discussion forums, and virtual learning environments promotes a sense of community and facilitates active participation, contributing to a more enriching educational experience (Garrison & Kanuka, 2004).

Alignment with Institutional Goals:
Many educational institutions prioritize the integration of technology into teaching and learning as part of their strategic goals. Upgrading podium computers aligns with these institutional objectives, demonstrating a commitment to staying current with educational best practices and providing students with the tools they need for success (Bates & Sangra, 2011).

Replacing computers in podiums within classrooms on college campuses is a strategic investment in the future of education. The benefits of enhanced educational experiences, increased accessibility, real-world skill development, improved communication, and alignment with institutional goals make a compelling case for the integration of advanced technology in the classroom.

The classrooms accommodate from 32 to 48 students. Instructors from many different disciplines teach in all of these classrooms, so this upgrade would create a supportive collaborative learning environment for a wide array of students, not just limited to MCOBA students. Other classes periodically taught in these classrooms include math, counseling, communications, educational foundations and leadership, political science, psychology, and physics, as well as Upward Bound and Veterans' Upward Bound programs. The classrooms are also used for non-academic uses such as Preview Days, First Year Experience workshops, and orientation.

Existing Issues

The podiums in the 15 listed classrooms currently have outdated computers, resulting in frustration for both instructors and students. This has dissuaded faculty members from installing more modern and current versions of needed instructional software and even more fundamentally, not using the podium computers at all. Not being able to teach using current software or lecture material simultaneously hinders the teachers and negatively affects the learning of students. There have been multiple complaints received about the slow PC in these classrooms.

Funding Objectives

- Replace outdated podium computers with modern technology to align with current teaching methodologies.
- Ensure compatibility with diverse software applications, enabling seamless integration with evolving educational tools.
- Provide instructors and students with upgraded computers that offer a high degree of control over their interactions.
- Facilitate a more dynamic teaching environment by empowering educators to use the latest instructional methods.
- Elevate instructional quality by introducing upgraded computers that enhance multimedia capabilities and support interactive learning experiences.
- Enable instructors to deliver content in a more engaging and effective manner.
- Replace computers in podiums to enrich student learning experiences through improved access to digital resources and collaborative tools.
- Foster an environment that encourages active participation and critical thinking.
- Increase opportunities for student engagement and collaboration by providing upgraded computers in classroom podiums.
- Facilitate group activities, discussions, and collaborative projects through advanced technology.
- Foster the development of communication and collaboration skills by upgrading podium computers.
- Enable students to interact effectively in a digital environment, preparing them for future collaborative endeavors.
- Ensure accessibility by replacing computers with features that accommodate students with diverse learning styles and physical disabilities.

Proposed Active Learning Classroom Enhancements

- Replace outdated computers in classroom podiums with modern, high-performance units to support active learning initiatives.
- Ensure compatibility with a variety of software applications and educational tools.

The proposed upgrade to the computers in the podiums of the classrooms listed aims to improve these classrooms within the context of an active learning environment. While the requested technological upgrade aligns with the standard SMART classroom setup, this enhancement specifically focuses on empowering instructors with the tools necessary to foster increased student engagement and collaboration.

Upon successful funding of this grant request, the College of Business and other colleges within the University stand to benefit significantly from an improved student-centered learning experience. The upgraded computers will facilitate dynamic interactions, supporting innovative teaching methods that prioritize active participation and collaborative learning.

Furthermore, investing in this grant brings us closer to realizing the University's overarching vision of transforming every classroom on campus into a SMART classroom. By concentrating on the replacement of computers in the podiums, we target a fundamental aspect of technological advancement that will

contribute to the broader goal of creating modern, interactive learning spaces across the university campus. This strategic enhancement aligns with contemporary educational practices and emphasizes our commitment to providing students and faculty with the necessary resources for a transformative and engaging learning experience.

These classrooms are mainly utilized for business classes; however, it is also utilized for classes in many different colleges. For example, Moody 130 is scheduled as shown below, but may change:

Time	Monday	Wednesday	Friday	Time	Tuesday	Thursday
8:00 8:50				8:00 9:15		
9:00 9:50	MKTG 345-007 Bergeron 10/11/23 - fp			9:30 10:45	ECON 325-001 Skinner 6/15/22 ad	
10:00 10:50	MKTG 345-006 Bergeron 10/11/23 -fp			11:00 12:15	ECON 408-001 Skinner 6/15/22 ad 10/25/23 - ss	
11:00 11:50	MKTG 345-009 McCoy 6/21/22 ad			12:30 1:45	MKTG 470-001 Baker 6/21/22 ad	
12:00 12:50				2:00 3:15	SSS Workshops Warren 1/9/24 - ss	BLAW 412-001 Davis 6/14/22 ad
1:00 2:15	FNAN 307-002 Luquette 6/15/22 ad			3:30 4:45		
2:30 3:45	HMGT 407-001 Bowles 10/11/22	SSS Workshops 11/22/22 mh		5:00 Till		
4:00 5:15				6:00 Till	MGMT 415-001 Chauvin 5/12/22 mh	MKTG 580-001 McGehee 6/14/22 ad
6:00 Till	FNAN 522-001 Boudreaux 1/9/23 mh					

Classroom Type
STEP Smart
MX 130
Classroom Capacity
48
Sustainable

Special Room Reservations						
Date	Day of the WK	Start Time	End Time	Purpose	Contact Info	Reservation Needs
1/13	Saturday	8:00 AM	11:00 AM	Upward Bound Meeting	Yavarian -9/20/23 - fp	
1/20	Saturday	8:00 AM	2:30 PM	Upward Bound Meeting	Yavarian -9/20/23 - fp	
1/27	Saturday	8:00 AM	2:30 PM	Upward Bound Meeting	Yavarian -9/20/23 - fp	
2/3	Saturday	8:00 AM	2:30 PM	Upward Bound Meeting	Yavarian -9/20/23 - fp	
2/24	Saturday	8:00 AM	3:30 PM	Upward Bound Meeting	Yavarian -9/20/23 - fp	
3/9	Saturday	8:00 AM	11:00 AM	Upward Bound Meeting	Yavarian -9/20/23 - fp	
4/13	Saturday	8:00 AM	11:00 AM	Upward Bound Meeting	Yavarian -9/20/23 - fp	

Projected Lifetime of Enhancement

- Technology: Expected to have a five-year life span.

Responsibilities

The person responsible for implementation and oversight of this project is Angel Littlejohn, MCOBA ISM Manager. Responsibilities include:

a. Implementation
    - MCOBA ISM
b. Installation
    - Technology: MCOBA ISM will install the PCs in each podium.
c. Maintenance
    - MCOBA ISM: Provide ongoing maintenance and will immediately troubleshoot any problems that may occur.
d. Operation
    - MCOBA ISM
e. Training (with qualifications)
    - MCOBA ISM will train faculty and staff assigned to use the room.

MCOBA ISM currently maintains over 100 faculty and staff PCs, 8 classrooms in Moody Hall and 15 classrooms in FG Mouton that are enhanced with technology so the department is very familiar with the functionality of the equipment requested. MCOBA ISM has adequate staff capacity to handle the upkeep and maintenance of the equipment requested in this grant proposal.

Budget Proposal

1.	**Equipment - $14,723.25 (15 Dell Optiplex 7010 micro form factor @ $981.55 each)**	
2.	**Software**	**$0**
3.	**Supplies**	**$400—adapters for monitors and/or Extron media switches**
4.	**Maintenance**	**$0**
5.	**Personnel**	**$0**
6.	**Other**	**$0**
TOTAL:		**$15,123.25**

Budget Details

OptiPlex Micro (7010)
Estimated delivery if purchased today:
Dec. 12, 2023
Contract # C000000010742
Customer Agreement # MNWNC-108 / 4400002525

Unit Price
$981.55

Description	SKU	Unit Price
OptiPlex Micro (7010)	210-BFXQ	-
13th Gen Intel Core i5-13600T (6+8 Cores/24MB/20T/1.8GHz to 4.8GHz/35W)	338-CHCG	-
Windows 11 Pro, English, Spanish, French, Brazilian Portuguese	619-ARSB	-
No Microsoft Office License Included	658-BCSB	-
16GB (2x8GB) DDR4 Non-ECC Memory	370-AFWC	-
M.2 2280 512GB PCIe NVMe Class 40 Solid State Drive	400-BOQF	-
Thermal Pad for Micro	412-AAZO	-
M2X3.5 Screw for SSD/DDPE	773-BBBC	-
Micro with 35W CPU L5.5 FSJ local build	329-BHPX	-
US Power Cord	450-AAZN	-
Intel(R) AX211 Wi-Fi 6E 2x2 and Bluetooth	555-BHDU	-
Internal Antenna	555-BHDV	-
Wireless Driver, Intel(R) WiFi 6e AX211 2x2 (Gig+) + Bluetooth 5.3	555-BIIO	-
No Additional Video Ports	492-BCKH	-
Dell Pro Wireless Keyboard and Mouse - KM5221W - English - Black	580-AJJG	-
Mouse included with Keyboard	570-AADI	-

Timeline/Implementation Schedule

- Spring 2024 – Place order for project
- Summer 2024 – Installation
- Summer 2024 – Implementation

Previously Funded STEP Projects

- *FGM 207 Interactive Classroom Enhancement.* Fall 2016. Nadine Prendergast.
- *Financial Services & Business Research Lab.* Fall 2016. Nadine Prendergast.
- *FGM 102 & 214 Interactive Classroom Enhancement.* Fall 2017. Nadine Prendergast and Mohammed Zubair.
- *FGM 215 Interactive Classroom Enhancement.* Spring 2018. Nadine Prendergast, Grant Coulon and Sara Casiday.
- *FGM 208 Active Learning Classroom Enhancement.* Spring 2019. Phuc Tran.
- *FGM 204 Interactive Classroom Enhancement.* Fall 2019. Heather Devalcourt.
- *Creation of virtualized MCOBA MSAccess computer lab*. Summer 2020. Angel Littlejohn.
- *Creation of virtualized SPSS computer lab.* Summer 2020. Angel Littlejohn.
- *FGM 215 Active Learning Classroom Enhancement.* Spring 2023. Angel Littlejohn.
- *FGM 111 Computer Lab refresh.* Spring 2023. Angel Littlejohn.
- *FGM 110 Computer Lab refresh.* Fall 2023. Angel Littlejohn.

References

- Baylor, A. L., & Ritchie, D. (2002). What factors facilitate teacher skill, teacher morale, and perceived student learning in technology-using classrooms? Computers & Education, 39(4), 395-414.
- Dede, C. (2010). Comparing frameworks for 21st century skills. In J. Bellanca & R. Brandt (Eds.), 21st century skills: Rethinking how students learn (pp. 51-76). Solution Tree Press.
- Johnson, L., Adams Becker, S., Estrada, V., & Freeman, A. (2015). NMC/CoSN Horizon Report: 2015 K-12 Edition. The New Media Consortium.
- Garrison, D. R., & Kanuka, H. (2004). Blended learning: Uncovering its transformative potential in higher education. The Internet and Higher Education, 7(2), 95-105.
- Bates, A. W., & Sangra, A. (2011). Managing Technology in Higher Education: Strategies for Transforming Teaching and Learning. John Wiley & Sons.