

Speak My Language

The Role of the Campus as a Living Lab Faculty Liaison
At Central New Mexico Community College

About CNM

- ❏ Established in 1965 with 155 students
- ❏ Now the largest post-secondary institution in New Mexico with over **28,000** students and **7 campuses**



Campus as a Living Lab at CNM:

- ❏ Leveraging campus facilities, technologies, renovations, retrofits, events and other projects to **teach current student learning outcomes in existing courses in innovative and interesting ways, while integrating sustainability concepts across the curriculum.**



Campus as a Living Lab at CNM

 CNM LEED Building Tours



 Vermicomposting / Composting



 Photovoltaic solar panel arrays at 4 of 7 campuses



 Recycling and the RecycleMania Tournament



The “CLL Faculty Liaison”

☒ Former Faculty Member

- ☒ “On Loan” to Facilities from Academics

☒ Serves as a connection between Facilities and Academics

- ☒ Identifies CLL opportunities on the Facilities side and communicates them to faculty as innovative teaching and learning opportunities.

- ☒ Identifies creative and motivated faculty on the Academic side and assists in connecting their course student learning outcomes with existing Physical Plant projects and facilities.

☒ Communicates PPD concerns to Academics and vice-versa

- ☒ Explains project/idea feasibility between facilities/faculty

☒ Reports to both the Executive Director of Academic Affairs and the Executive Director of the Physical Plant

- ☒ Ensuring that CLL projects are linked to and support the college’s long-term strategic goals

Opportunities and Successes

- ❏ Within one semester, 16 faculty and nearly 900 students completed at least one assignment linked to a CLL project.
- ❏ **CLL Student Learning Outcomes have been written into the Physical Plant's RFP process. Vendors must be willing to create educational opportunities for students.**
- ❏ Partnership with the SEED Center has encouraged CNM's Applied Technologies department to develop building controls management curricula as a CLL project.
- ❏ **CNM's "Sustainability Studies Concentration" (linked to CLL) encourages students to transfer to UNM and pursue a minor in Sustainability Studies.**
- ❏ Facilities and Faculty are learning how to capitalize on "Master Plan" projects as a means to create new educational opportunities during budget shortfalls.

RecycleMania as CLL:

- ❏ Contract with Waste Management of New Mexico = educational materials, recycling bins, staff volunteers
- ❏ Asa Stone, Psychology: PSY2260 Learning and Memory
 - ❏ Help a fellow student to strategize to promote recycling behavior for the Recycle Mania Tournament by applying instrumental conditioning. Our ultimate goal is to increase the amount of recyclables in recycle bins while reducing the amount of recyclables in trashcans.
 - ❏ Meets the following SLO: "Analyze everyday situations in terms of operant conditioning."




Vermicomposting as CLL:

- ❧ Vermi-bins helped to satisfy new Culinary Arts Department accreditation requirements
- ❧ All Intro Bio students required to complete a unit on composting
- ❧ Karen Bentz, Biology: BIO 1092, Biology for Non-Majors
 - ❧ Students prepared slides and used microscopes to look at organisms found in vermicomposting material
 - ❧ Met the following SLOs (among others):
“Properly operate laboratory equipment to collect relevant and quality data,” and
“Explain the unique features of cells and microorganisms”



Challenges


Scope:

-  Defining the range of projects that can/should be utilized
-  Defining the range of responsibilities that can/should be assigned to the CLL Liaison


Participation:

-  Encouraging more faculty to integrate CLL into their courses

Longevity:

-  Convincing the College to fund the position and projects long-term

Credibility:

-  Sustaining credibility with faculty as a perceived administrator, and with Facilities as a former faculty member

Currently at CNM:

- ❏ The CLL Liaison is currently encouraging all faculty to use Campus as a Living Lab projects in their classes.
- ❏ Possibilities are limitless, and any department can benefit.
- ❏ Spring/Fall 2015 (upcoming proposals and new projects):
 - ❏ Composting (Vermicomposting Bins in multiple locations and off-site composting of grounds-keeping waste)
 - ❏ Wayfinding “gardens,” water harvesting system, and outdoor classroom
 - ❏ Coal Avenue triplex renovations with Applied Technologies
 - ❏ Rio Rancho Study Acre
 - ❏ Tree Campus USA map