UC Merced's Student-Driven LEED Lab Course
Interesting Facts

- All UC Merced buildings (16) have LEED certification under New Construction.
- UC Merced continues to be the only campus in the nation with LEED certification for all its facilities.
- All buildings will pursue LEED EB:O&M.
LEED Lab Background

UC Merced LEED Lab
- A multidisciplinary immersion Engineering Service Learning Course
- Consultants and stakeholders
- LEED GA/AP Exams

History of LEED Lab
- 2011-2013: LEED Lab Pilot Course at the Catholic University of America
- 2014: Official Launch
Stakeholders
Instructor: Tom Hothem
LEED Coordinator: Mark Maxwell
Class Details

- ENGR 97/197
  - 1 or 2 unit class
- Lectures: 50 min/wk
- Lab: 1.5 hrs/wk
- 18 weeks/semester
Team Hierarchy

- Project Manager
  - E&A Team Leader
  - W.E., S.S., M.R. Team Leader
  - I.E.Q. Team Leader
Class Schedule

LEED LAB
Meeting Agenda

April 13, 2016
12:00pm
SE1 160

1. Roll Call
2. Weekly PIGS
   a. Energy and atmosphere:
      i. P: Meeting with Varick this Thursday for completion of credit 3.2
         credit 2.1 audit is currently being completed.
      ii. I: Behind schedule on completion of both credit 3.2, 2.1 and 2.2
      iii. G: Finish credits for the week.
   b. Indoor Environmental Quality
      i. P: survey still ongoing for credit 2.1
      ii. I: need to meet with Roy and Ricardo about green cleaning credits 3.1-3.6
      iii. G: work on survey and set up meeting with Roy and Jim
   c. Water and Etc.

3. Complete and input waste stream audit information
Team Objective

- Submit Preliminary Report to the USGBC (U.S. Green Building Council)
- Submit Final Report to the USGBC
- Earn 80+ points for Platinum level
Methodology

**Step 1:** Assign credits

**Step 2:** Review credit summaries

**Step 3:** Work with stakeholders to pursue credits

**Step 4:** Submit credits to LEED Online

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**LEED Online**

Streamline your LEED project management experience, organize your work, and engage with your whole team.

Now available for LEED v4 and LEED 2009 projects.

**Log In**

[Email]

[Password]

[Log In]

NO USGBC ACCOUNT?

No problem—just fill in some basic information and a USGBC login will be yours in a flash.

[Create an Account]
What is a Credit Summary?

- Length: 1-5 pages
- Utilizes LEED Reference Guides and the UCM Library 2015 EB:O&M
Purpose of Credit Summaries

- Shows how credits were pursued for the Library EB: O&M and how similar methods can be applied to COB.
- To allow team members to have a basic understand of every credit the team may or may not pursue.
- To help determine the overall timeline for the project

59 total summaries were completed by the Fall ‘15 Team
36 credits submitted so far by the Spring ’16 Team
Additional Milestones for Each Semester:

**Timeline**

**Semester 1**
- Credit Summaries
- Credit Timeline

**Semester 2**
- Preliminary USGBC Report
- Credit Revisions
- Final USGBC Report
Benefits to Students:

- Project management skills
- Teamwork skills
- Oral presentation Skills
- Leadership experience
- Knowledge of LEED certification
- Work Experience to take LEED GA & AP Exam
Benefits to the University:

- Save $ on LEED EB:O&M Consultants
- Less work for staff to document credits
- Prestige of LEED EB:O&M Certification
- Optimize building performance
- Pride in shaping the next generation of “green” leaders
QUESTIONS?