

HLC Addendum Request

13. UNM provides a single item of evidence of engaging industry in an advisory capacity to departments, and that is a web page stating the purpose and membership rules of the Chemical Engineering Advisory Board (an ABET requirement). Could UNM provide additional evidence of industrial advisory boards across several colleges and specifically direct evidence that demonstrates the level of engagement? Evidence may include meeting minutes, outcomes documents, or other documents.
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Institutional Response:

Rainforest Innovations Board of Directors

UNM's technology transfer office is Rainforest Innovations. The Board membership for Rainforest Innovations is listed here: <https://innovations.unm.edu/about/boardofdirectors/>

Please find one example of an outcome here: <https://innovations.unm.edu/wp-content/uploads/2021/11/Agenda-2023-UNM-Business-and-Economic-Summit-1.pdf>

Please see a metric statement produced at the behest of the Board here: <https://innovations.unm.edu/about/metrics/>

Dean's Council for Excellence

[Meeting Agenda Sample – February 24, 2023](#)

[Meeting Agenda Sample – May 5, 2023](#)

The School of Architecture and Planning, Dean's Circle

<https://saap.unm.edu/people/deans-circle.html>

Anderson School of Management Advisory Boards

<https://www.mgt.unm.edu/engage/advisory-boards.asp?mm=alumni>

[Meeting Agenda Sample – February 4, 2022](#)

Anderson Alumni Council

[Meeting Agenda Sample – February 24, 2023](#)

School of Engineering. Dean's Industry and Innovation Board

<https://engineering.unm.edu/about/deans-industry-and-innovation-board.html>

[Note: the current Dean of Engineering, Donna Riley, began her appointment April 1, 2023 and the website has not yet been updated]

New Mexico Alcohol Research Center

<https://hsc.unm.edu/nmarc/directory/nmarc-advisory-boards.html>

Dept. of Mechanical Engineering Advisory Board

<https://me.unm.edu/about/advisory-board.html>

Electrical and Computer Engineering Advisory Board

<http://www.ece.unm.edu/about/ece-advisory-board.html>

UNM Ortiz Center Advisory Council

<https://ortizcenter.unm.edu/people/index.html>

Center for Advanced Research Computing

<https://carc.unm.edu/about-carc/iab.html>

Nuclear Engineering Advisory Council

<https://ne.unm.edu/about/advisory-council-members.html>

[Advisory Council Roster](#)

[Meeting Agenda Sample – March 31, 2023](#)

Master of Public Policy Community Advisory Board

<https://mpp.unm.edu/people/advisory-board/index.html>

R.H. Mallory Center for Community Geography

<https://communitygeography.unm.edu/community-geography/our-network.html>

For academic programs, results of consultation with boards are generally documented in academic program reviews. For example, the 2020 Anderson School of Management APR documents the role of the Anderson Alumni Council AAC board in reviewing proposed curriculum for applicability.

(https://digitalrepository.unm.edu/cgi/viewcontent.cgi?article=1165&context=provost_acad_p [rogram review](#). p. 112).

UNM -Gallup Advisory Board - <https://www.gallup.unm.edu/administration/localboard/>

UNM-Los Alamos Advisory Board - <https://losalamos.unm.edu/about/advisory-board/index.html>

UNM-Taos Advisory Board - <https://taos.unm.edu/about/taos-advisory-board.html>

UNM-Valencia Advisory Board - <https://valencia.unm.edu/about/advisory-board/index.html>

[Civil, Construction & Environmental Engineering Department Advisory Board \(CEDAB\)](#)

South Campus Tax Increment Development District (TIDD). While not the result of the work of a single board, this is an important recent example of the University and its Board of Regents responding to engagement of industry and public constituents in a project of critical value to UNM and the City of Albuquerque; it is a public-public collaboration informed by industry and local needs. The district will integrate the university with a South Campus research park and provide a designed throughway to Kirtland Air Force Research Labs and Sandia National Labs. This has just received State of New Mexico approval. The proposal for the TIDD was developed with input from the city, state, local business community and engagement by the labs through multiple public meetings and a leadership team drawn from multiple sectors. [see attached document]. Note in the attached document emphasis on “Expanded opportunities to support joint economic development efforts with SNL, KAFB & AFRL.” This is a reference to key partners for technology development in the region: Sandia National Labs, Kirtland Airforce Base, and Airforce Research Labs. (see attachment).

We regret that we are unable to secure meeting minutes for the boards listed above within the weekend timeframe of the morning of 4/22/2023 to 9:00 a.m. 4/24/2023.

Dean's Council for Excellence Agenda

Dean's Conference Room & Zoom

February 24, 2023

10:30am-11:30am Dean's Council for Excellence Board Meeting

Welcome by Joe Weiss, Senior Director of Development

Review Goals

- Guide: Provide strategic advice
- Advocate: Represent Anderson's strategic initiatives in the community
- Solicit: Assist with fundraising, connect with your network and introductions

Introductions

- Meet Interim Dean Julie Coonrod

Anderson Searches Underway

- Dean Search
- Accounting Department Chair
- Management Department Chair

Featured Strategic Initiatives Discussion

- Spring Student Entrepreneurial Competitions
- Santa Fe Center for Responsible Entrepreneurship
- New National Institute of Health (NIH) Grant

Questions / Comments / Discussion

11:30am-12:30pm Lunch Social in Dean's Conference Room

Lunch provided



Dean's Council for Excellence Agenda Dean's Conference Room & Zoom May 5, 2023

3pm-4pm Dean's Council for Excellence Board Meeting

Welcome by Janice Ruggiero, Director of Development

Review Goals

- Guide: Provide strategic advice
- Advocate: Represent Anderson's strategic initiatives in the community
- Solicit: Assist with fundraising, connect with your network and introductions

Introductions

Update on Anderson Searches

- Dean Search
- Accounting Department Chair
- Management Department Chair

Featured Strategic Initiatives Discussion

- External Relations Update – Rob Delcampo
- Career Services – Internal and External Engagement – Kelsey Molo
- Alumni Relations Director - TBD

Questions / Comments / Discussion

4pm – 6pm Year End Celebration - McKinnon Center Living Room



ASM Advisory Board Advisory Leads

Friday, February 4, 2022

9:00 am - 10:00 am

Zoom Meeting ID: 97835155597

Zoom Link: <https://unm.zoom.us/j/97835155597>

AGENDA

- Welcome, Introductions – Mitzi Montoya
 - Craig White – Accounting Advisory Board
 - Wellington Spetic – Business for Good Advisory Board
 - Joe Weiss & Mitzi Montoya – Deans Council for Excellence
 - Rob DelCampo – Entrepreneurship Advisory Board
 - Reilly White – Finance Advisory Board
 - Shelly Arthur & Chris Nguyen – Human Resources Advisory Board
 - Nick Flor – Information Systems Advisory Board
 - Minkyung Koo – Marketing Advisory Board
 - Dimitri Kapelianis – Sales Center Advisory Board
 - Kathryn Jacobson – Women in Leadership

- 2022 Board Development and Support – Crystle Collier
 - Two meetings/events per semester (this can include the all-board meetings at the start and end of the school year)
 - Board management/support - think about ways to tag-team or sponsor events on behalf of the board
 - Membership Donations: 2nd year donations are due; communication will need to be sent out from the Board Leads.
 - Spending Accounts

- UNM Foundation Events – Joe Weiss
 - New development officers

- Adjourn

Anderson Alumni Council

Friday, February 24, 2023

- Welcome – Jennifer Brower
- Anderson Alumni Recognition – Jennifer Brower
 - Albuquerque Business First 2023 Women of Influence Honorees:
Amanda Armenta and Melissa Munoz
- Minute Approval – Damon Martinez
- Student Engagement Update – Crystle Dorsey
 - New Space/Center
 - Student Organizations
 - Events
 - Living and Learning Community
 - First Year Experience Course: BUSA 1110
 - Anderson Learning Lab
 - Career Connections
 - MGMT 398 w/ Mentorship Program
 - Internships
 - One-on-One Career Coaching
- Nominating Committee – Amanda Armenta
- Upcoming Events – Glen Rowe
- UNM Big Give, February 28, 2023 – Joe Weiss
- Anderson Update – Dean Julie Coonrod
- Adjourn

Please join us for happy hour in the Dean's conference room!

**University of New Mexico, Nuclear Engineering Department
Advisory Council Board Members**

Name	Institution
Biegalski, Steven (Steve)	Georgia Tech
Blandford, Edward (Ed)	Kairos Power
Brasure, Wayne	Alum; formerly at Pacific Northwest National Laboratory
Kuliasha, Michael (Mike)	Alum; Director of Nuc Tech at Defense Threat Reduction Agency
Lapin, Samantha (Sam)	Alum; SCORE.org, ABQ chapter
McDaniel, Corey	Idaho National Lab
Rao, DV	Los Alamos National Laboratory
Uddin, Rizwan	University of Illinois Champaign-Urbana
White, Anne	Massachusetts Institute of Technology
Woods, Brian	Oregon State University

NE Advisory Council Meeting Minutes

March 31, 2023

Members in attendance:

- Lapin, Samantha (Sam); Biegalski, Steven (Steve); Kuliasha, Michael (Mike); McDaniel, Corey; Uddin, Rizwan; Woods, Brian

Absent members:

- White, Anne; Brasure, Wayne; Blandford, Edward (Ed); Rao, DV

Minutes by H. Sissons

1. Remarks from Dean Donna Riley
 - a. Introduced her background. Originally in Chemical Engineering, moved into risk studies.
 - b. Listening tour planned for first 30 days.
 - c. Think about strengthening partnerships with natl labs and potential/avenues for student growth.
 - d. Kuliasha – Strong need for multi-university collaboration (Universities Research Association). Will need Dean’s Office support for this kind of effort.
 - e. Biegalski – NEDHO does a lot to promote nuclear energy. Encourages UNM to use that NEDHO pipeline to promote our efforts and strengthen gov’t relations.
2. Election of advisory council chair
 - a. Lapin – What is the responsibility of the chair?
 - i. Lee – Preside over meeting.
 - ii. McDaniel – At least at other institutions, the committee chair is responsible for writing report with recommendations and ABET letter. Generally herding the committee and emailing to make sure they get everything they need.
 - iii. Lee – Would like a summary writeup from committee chair.
 - b. Lee asked for volunteers.
 - i. Corey McDaniel was the only volunteer, no opposition.
 - ii. Corey agreed to provide short writeup of council recommendation and take the role of “task master” and let everyone know when he needs input.
3. State of the Department
 - a. See PowerPoint.
 - b. Lapin – Asked about undergrad retention issue, is it Calculus?
 - i. Yes, that’s what the pre-major category is. Students who don’t pass Calculus and aren’t freshmen but can’t take sophomore level classes.
 - ii. Different members talked about the “weed out” classes at their institutions.
 - iii. UNM has tutoring through ESS.
 - c. Kuliasha – Where does the funding come from? Recommends looking at DOD/DOE advertised projects and develop research that would solve the advertised problems.
 - i. Being part of a URA would make it easier to get funding.
 - ii. Discussion of how to become part of a URA. We could also make a URA.
 - d. General discussion on TAs.
 - i. Many were confused about the lack of TA lines from SOE.

- ii. Lapin – BCR fund is for hiring TAs. Trying to get the fund to an endowed state (need ~\$1m).
 - e. Uddin – How much outreach has been done to try to tap into the national labs for grad students?
 - i. LANL target of online certificate program that has been submitted.
- 4. Closing discussion with chair
 - a. Themes from the conversations:
 - i. Undergraduate
 1. Translate 96 freshmen into 25 graduating seniors. Put effort into retention before recruitment.
 2. Work to support math needs of our students to make sure they have the groundwork they need to succeed in NE classes.
 3. TA needs. Recommend adding TA lines.
 4. Recommend having pre-major first year survey so students don't have to pick one major coming in.
 - ii. Department
 1. Develop good communications plan, both within UNM and outside.
 2. Faculty hiring, focus on strategic plan for (what areas do we want to bolster).
 - iii. Take better advantage of the people we have available (like Carl). Provide support to help develop his ideas.
 - iv. Legislation
 1. Try to get NE interests added to the UNM federal funding opportunities.
 2. Develop relationships with congresspeople (via UNM legislative liaison).
 - v. Faculty culture
 1. Faculty do not seem to be a team, there are conflicts.
 2. Recommend more 1 on 1 meetings with faculty to develop those relationships.
 3. Individually the faculty are very enthusiastic about the research and generally seem very happy to be here.
 4. Culture will impact ability to retain faculty AND students.
 5. Put best foot forward with students who are at the beginning of the program.
 6. Lab day (at nat'l labs), UNM needs to make attendance a priority.
 - vi. Marketing
 1. Need better visibility at all ANS meetings.
 2. Develop good briefing for nat'l labs, make NE more visible to them.
 3. Try to send faculty to nat'l lab weekly seminar series.
 - vii. Faculty are very enthusiastic about the research and generally seem very happy to be here.
 - viii. National lab relations
 1. Can be weakness because the students may not be primarily focused on our program (when they are working full time at lab).

- ix. Re: chicken and egg situation of want more resources/need more students to get those resources/need resources to support students.
 - 1. All NM education is funded through oil and gas.
 - 2. Our governor values STEM.
 - 3. Work with legislative liaison to try to push pre-college STEM programs so students come in excited about STEM and prepared for the classwork.
- x. Mission statement
 - 1. Take the time to develop a mission statement that sets us apart. Build consensus so that all faculty are clear on our direction.
- b. McDaniel offered the council to do a mid-year check-in virtually.
 - i. Lapin confirmed that she would appreciate that.
- c. Council will need to be briefed on self-study for ABET.
 - i. Hank will send out information.

**Civil, Construction & Environmental Engineering Department Advisory Board (CEDAB)
CEDAB Members 2023**

#	Name	E-Mail
1	Kirsty Bramlett USACE Albuquerque District	Kirsty.d.bramlett@usace.army.mil
2	Sandra Begay Sandia National Laboratories	skbegay1@unm.edu
3	Doug Campbell Entrepreneur	dougcampb@gmail.com
4	Alandren Etlantus Bohannon Huston	aetlantus@bhinc.com
5	Eric Ghahate CNM	eghahate@cnm.edu
6	Will Kessler New Mexico Department of Transportation	william.kessler@state.nm.us
7	Gerald (Jerry) May Professor Emeritus, University of New Mexico	gmjmay@msn.com
8	Molly McCuskey Bailey Sandia National Laboratories	mcmccus@sandia.gov
9	Carlos Ortega Quiroga Pfeiffer Engineering Corporation	cortega@gpec.org
10	Kelly Roepke-Orth AGC New Mexico	kroepke@agc-nm.org
11	John Stomp Albuquerque Bernalillo County Water Authority	jstomp@abcwua.org
12	Nicolas Torres Chavez Grieves	ntorres@cq-engrs.com
13	Scott Verhines Stantec	Scott.verhines@stantec.com
14	Ken Wylie Wood PLC	ken.wylie@woodplc.com

Listed Alphabetically by Last Name

Meeting Minutes: CEDAB Meeting

Date/Time: Friday December 10th, 2021 | 1-4pm

Location: Media Lab

Agenda Subject:	Discussion:	Responsible Person:
<p>1. Dana Wood Media Lab Tour</p>	<p>The big appeal to the room is the screens (7 screens total). There can be up to 3 different screen displays up at once. The room is Zoom meeting friendly with a 360-degree camera, mics throughout room, and speakers throughout the room. There are two dongles for each screen for students to connect their laptops to display and present on the screen from their own computers.</p> <p><u>Things coming in the future for the Media Lab:</u></p> <ul style="list-style-type: none"> • An additional large projector screen • Multiple light controls in the room, right now there is only one. • Electronic black out blinds 	<p>Bryan Stewart</p>
<p>2. Associate Chair for Undergraduate</p>	<p>Presenting on behalf of the accreditation program – ABET As part of the accreditation process, the members of this meeting are to be included in the decision-making process because you are what is considered, stake holders. There are 3 different undergraduate programs and all 3 are accredited under ABET because from an efficiency stand point, it helps that all 3 are accredited under the same organization for preparation and collecting data needed for accreditation. Program accreditation happens on a schedule and Fall 2023 will be the next visit.</p> <p>ABET accreditation has 8-point criteria. The two things needing to be discussed in this meeting are: Criteria 2 – Program Educational Objectives – Susan presented those objectives (please see attached slides). Please review them and let us</p>	<p>Dr. Susan Bogus</p>

Meeting Minutes: CEDAB Meeting

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Location: Media Lab

	<p>know if they are still relevant? Do they still meet the needs of the industry? A vote was taken during the meeting on whether or not these objectives are still relevant and the vote was unanimous that indeed they are still relevant. Please send feedback to Susan and Dr. Taha regarding these criteria points.</p> <p>Criteria 3 – Student Outcomes Our decision in the department is we are assessing the outcomes every year in two different classes. Two different data points. The assessment is a 3-point assessment: Exceptional, Meets, and Does not Meet. We use this data to continuously improve the program. Once the most recent assessment is done, it will be shared with you.</p>	
<p>3. Dr. Taha Update</p>	<p>Media Lab – Opened November 1st, 2021. Project started in 2018. You are welcome to donate toward the Media Lab. If you donate \$1k or more, your name will go on the Media Lab Donor Wall outside the lab.</p> <p>CCEE Faculty Updates – Dr. Kerry Howe was promoted to Distinguished Professor. Dr. Mark Stone was promoted to Professor. Dr. Jose Cerrato was on sabbatical leave to Spain and returned August 2021. Dr. Ricardo Gonzalez Pinzon was on sabbatical leave and returned August 2021. Dr. Andy Schule is currently on sabbatical leave. Dr. Susan Bogus Halter will be on sabbatical starting January 2022. Dr. Ziyu Jin was hired this fall 21 semester.</p>	<p>Dr. Taha</p>

Meeting Minutes: CEDAB Meeting

Date/Time: Friday December 10th, 2021 | 1-4pm

Location: Media Lab

	<p>CCEE Staff Updates – Yolanda Sanchez retired January 2021. Candyce Torres was hired as DA starting March 2021. Alysha Rangel was hired as Academics Coordinator in August 2021.</p> <p>Faculty Awards – Dr. Susan Bogus Halter was elected as Fellow of American Society of Civil Engineers as well as a member of the National Academy of Construction. Dr. Kerry Howe was awarded SOE Research award for 20-21. Dr. Mark Stone was awarded the SOE Harrison Service Award for 20-21. SOE gives out 6 awards annually and CCEE won 2 of the 6. Dr. Mark Stone received \$15 million from the National Science Foundation’s program. Dr. Stormont received a \$2 million grant from Department of Energy.</p> <p>Other News/Updates – Our proposal for Online Master of Engineering in Structures and Construction has been accepted by UNM. The program will be available for students by Fall 2022. A student taking this program can graduate with a master’s degree in one year!</p> <p>Dr. Fernando Moreu is applying for tenure & promotion. Dr. Nick Ferenchak is applying for mid-tenure review.</p> <p>Shreya Vemuganti completed her PhD in May 2021 and has now been hired on as faculty at The University of Oklahoma. She had 3 different offers. This is one example of the direct impact of the endowment which funded the Structures Lab.</p> <p>Graduate students Ishti Anwar and Mahya Hatambeigi have developed and patented a new liquid metal alloy. They have received NSF Innovation</p>	
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Meeting Minutes: CEDAB Meeting

Date/Time: Friday December 10th, 2021 | 1-4pm

Location: Media Lab

	<p>Corps funding to explore applications and develop commercialization potential. Their invention recently won first prize at the 2021 Rainforest Pitch Competition.</p> <p>The CCEE Newsletter was sent out to 241 department chairs nationwide.</p> <p>All our classes went back to face to face teaching in Fall 2021.</p>	
<p>4. CEDAB Feedback and Discussion</p>	<p>Challenges for CCEE:</p> <ul style="list-style-type: none"> • Budget cuts happened during covid. This made us short on funding for TA's and hiring Graduate Students. Money for TA's is not a part of department budget. This is a great need for the department, funding to support those two areas of students. • CCEE needs more faculty. We would like to have at least 20 faculty. <p>It was suggested by CEDAB members for Dr. Taha to outline the points of need in a letter and the committee will be happy to sign the letter of support to send to Provost and Governor's Office.</p>	<p>ALL</p>



Meeting Minutes: CEDAB Meeting

Date/Time: Friday December 10th, 2021 | 1-4pm

Location: Media Lab

Attendees:

Dr. Mahmoud Taha

Scott Verhines

Ken Wylie

Molly McCuskey Bailey

Alandren Etlantus

Will Kessler

Brian Burnett

Kirsty Bramlett

Kelly Roepke

Civil, Construction and Environmental Engineering Department Advisory Board (CEDAB)

Fall 2022 meeting
Media Lab 1:00-4:00
December 16, 2022

Attendees:

Thomas J. Baca, Retired, Sandia National Laboratories
Sandra K. Begay, Sandia National Laboratories
Alandren Etlantus, Vice President, Bohannon Huston
Gerald (Jerry) May, Professor Emeritus, University of New Mexico
Molly McCuskey Bailey, Sandia National Laboratories
Carlos Ortega, Senior Engineer, Quiroga Pfeiffer Engineering Corporation
Nicholas Torres, Senior Engineer, Chavez Grieves
Scott Verhines, retired state engineer
Ken Wylie, retired, Wood PLC
Dr. Mahmoud Taha, Distinguished Professor and Chair, CCEE
Christos Christodoulou, Dean of UNM School of Engineering
Susan Bogus Halter, Professor, AGC Chair CCEE
Andrew Schuler, Professor, CCEE
Candyce Torres, Department Administrator, CCEE
Kim Persinger, Academics Coordinator, CCEE

CEDAB Meeting Agenda

- 1:00 Welcome to CEDAB Members

- 1:05 Welcome by the School of Engineering Dean, Dr. Christos Christodoulou
 - His last official graduation for COE
 - This is his last official advisory board as the dean
 - Thank you for volunteering for this very important function
 - It does affect our students and without good students, it affects the economic development of our state and we need all the help we can get.
 - Dr. Taha and I have worked extremely well and thank you to one of the most amazing department chair I've ever worked with
 - He's very proud of this place and the work done together
 - Dr. May spoke: Thank you on behalf of the committee; you've had more outside contact for the college than ever before. We appreciate you.

- 1:15 Department's Chair Update: Dr. Taha
 - Faculty and Staff News
 - Dr. Fernando Moreu has received tenure and promoted to Associate Professor
 - He is bringing millions in research dollars due to his work in AI, sensors, drones, and virtual reality

- Currently on sabbatical leave
- Dr. Susan Bogus Halter is on sabbatical as well until January, but is currently helping with ABET accreditation
- Dr. Kerry Howe has retired officially
 - Will be the Faculty Marshall at COE convocation tomorrow
- Dr. Jose Cerrato has accepted the position of Associate Chair for undergraduates starting October
- Dr. Ricardo Gonzalez-Pinzon has accepted the position of Associate Chair for graduates
- Dr. Mark Stone has associated the position of Associate Dean for Academic Affairs
 - He's working with Dr. Chuck Fleddermann, who will be the interim dean until new dean comes in April
- Dr. Andy Schuler is the new Director of Center for Water and the Environment
- Dr. Jose Cerrato has been named as UNM Regents Lecturer
 - It's a three-year position
 - This is one of the highest levels of recognition that a junior faculty can receive; it was a very competitive process and great for CCEE
 - He joins three other Regents Lecturers at CCEE: Dr. Mark Stone, Dr. Rafi Tarefder, and Dr. Taha
 - He's bringing in millions of research dollars and lots of collaboration across campus
 - New faculty hire, Dr. Lisa Lorena Rojas
 - Joins us January 6, 2023
 - Currently doing Post-Doc work in Transportation Engineering at the University of Toronto
 - Received Masters and Ph.D. from Purdue University
 - Originally from Columbia
 - Will be with Nicholas Ferenchak doing transportation engineering
- Three new staff members were hired
 - Vanessa Baca, Kim Persinger, and Brenda Ramirez
- Department name: *Gerald May Department of Civil, Construction & Environmental Engineering*
 - UNM Civil Engineering is the first department in UNM to be named for a \$5M endowment
 - This generous gift comes from our alum Doug Campbell, CEO of Solid Power, Inc.
 - We heard from Dough Campbell, that the \$5M endowment will be completed by June 2023 rather than 2025.
- Faculty and Staff Awards
 - In 2022 Civil Engineering received 2 out of 5 awards by COE
 - The five awards are
 - 2 research awards (one junior, one senior)
 - 2 teaching awards (one junior, one senior)
 - 1 service award
 - Dr. Fernando Moreu was awarded SOE Junior Faculty Research Award
 - Dr. Anjali Mulchandani was awarded SOE Junior Faculty Teaching Award
 - There are six strong departments in the school, so getting 2 of the 5 is really challenging

- Dr. Jose Cerrato was awarded the Stamm Faculty Research Award
 - Mr. Ken Cooper was awarded the Stamm Faculty Teaching Award
- Faculty Endowments
 - Dr. Maryam Hojati has been named “*Stamm Professor*”
 - This is a joint professorship between The Department and the School of Architecture & Planning
 - This is a 3-year appointment
 - The Stamm endowment is \$1M shared with school of architecture and planning which means the faculty named as a professor has access to \$20K annually.
- Dr. Anjali Mulchandani has been appointed to an EPA Committee
 - Usually these appointments for the EPA happen only for full professors
 - As an Assistant Professor this is a big honor
- Dr Taha has been elected Chair of the *ASCE Infrastructure Resilience Division (IRD)* effective November 2022; the ASCE-IRD is the largest national entity focused on Infrastructure Resilience
 - Dr. Taha has been involved in that division for 3 years and will now be the National Chair for 2 years
 - Committee member: “What is the IRD?”
 - Dr. Taha: ASCE IRD is the Infrastructure Resilience Division. IRD issues guidelines, for example looking at how, after a disaster happens where a structure or infrastructure is affected, its performance drops. The idea is to recover so the faster you recover and the higher you can recover to the original performance, the higher the resilience you are achieving
 - Guidelines strive to show how can design companies and construction accommodate resilience
 - What are design requirements so you can minimize loss and maximize resilience
 - Dr. Taha works on the use of 3-D printing for fast recovery of bridges and the IRD is producing all these guidelines
- NSF funds CCEE work on Machine Learning for Solute Transportation
 - Led by Ricardo Gonzalez-Pinzon
- Dr. Jose Cerrato and Dr. Anjali Mulchandani represent the CCEE Team that was NIH \$10M Superfund to collaborations between CCCE and HSC UNMH
- Dr. Fernando Moreu has developed a smart sensor for use underwater and received \$1M grant from Office of Naval Research and has been doing some work with Univ of CA at San Diego
- Some news about our students
 - Student chapter of AWWA participated in the Rocky Mountain Section Student Research Conference May 2022
 - Natalie Gayoso won 1st place of poster presentation
 - Carl Abadam won 3rd place
- Some Outreach
 - Dr. Anjali Mulchandani has been leading some students in the Water Mania Camp for 5th-8th grade students in Los Ranchos in partnership with CWE
- All 3 of our TRB Minority Fellows have been selected for publication
 - Three undergraduates, working with Nick Ferenchak, are going to be grad students and will be publishing work

- Dr. John Stormont's Research group
 - Dr. Stormont was awarded the *Dean's Excellence Professorship* in 2022
 - His Group's paper was named as outstanding paper for the period 2018-2021 from *Geomechanics for Energy and Environment*
 - His research team invented a of new pump
- Dr. Stormont has also been collaborating with Norwegian Research Center
 - The NORCE is interested in work that Dr. Stormont and Dr. Taha have done on emissions
 - Dr. Katherine Beltran, NORCE scientist, visited UNM for 2 weeks and Dr. Stormont went there in summer and participated in committee
 - A patent was filed for geothermal wells for work done by Dr. Stormont, Dr. Taha, and Dr. Nick Carroll from Chemical Engineering and Dr. Pania Meshgin from University of Utah.
- Faculty Promotion & Tenure
 - Dr. Jose Cerrato is applying for full professor
 - Dr. Maryam Hojati is applying for mid-tenure review
 - Usually happens after 3 years
 - Mr. Ken Cooper is applying for Senior Lecturer II

- Short break for coffee

- 1:30 pm Dr. Susan Bogus Halter
Update on ABET Accreditation

Dr Taha briefs committee:

Department is preparing our self-study and applied to ABET accreditation for all three undergraduate programs in Fall 2023.

- Aim is to receive 6-year ABET accreditation for all 3

Before handing off to Dr. Halter, here is some background for the committee about the 3 undergrad programs: Civil Construction, Construction Engineering and Construction Management

- Three years ago, moved Construction Management into ABET and asked them for 3-year accreditation so we could align all programs to be together for this year
- All three programs are getting accreditation at the same time. It's a lot of resources every time for accreditation so aligning things should be helpful
- At Advisory Board meetings we always have a presentation to discuss some of our outcomes
 - This group meets a goal for ABET
- The School is arranging a mock visit in Feb by mock evaluators to gauge where we are and what we need to do

We aim to achieve 6 years of accreditation. We always get 6 years. We're doing great and should get the 6 years. This is why we're doing mock visit. Fall 2023 is the visit so that means we'll be submitting all our paperwork and self-study by the department and the school sometime in the spring, probably about April.

The evaluators are going to visit us so we'll need committee support. There will be meetings and some of this committee's members will be invited to come meet the evaluators so that they can know your feedback about the department and other information they might want.

Maybe another discussion at our May meeting as well. This is very critical for us. Just to make it clear, this is very important.

Now going to hand off to Dr. Susan Bogus Halter, via Zoom:

Fall evaluation – As part of this visit, ABET wants to make sure we are going back to our stakeholders. We've defined our stakeholders as our faculty, our industry folks who might hire our graduates, and our alumni. As our advisory board, you all are meeting the goal of our alumni and industry portion of our stakeholders. We want to make sure to include you in what we're doing and share with you the results of our Outcomes Assessment.

We have 3 programs that are currently accredited thru ABET. The two engineering programs are accredited through the Engineering Accreditation Commission, or EAC. The Construction Management program is accredited thru the Applied and Natural Science Accreditation Commission, or NSAC. As far as it looks to you all, there really is no difference. They all operate similarly, the difference being there are slightly different outcomes and expectations for the 2 engineering programs compared to the construction management program.

This is the schedule Dr. Taha was talking about. We had a visit in Fall of 2020 for the Construction Management program that was successful and in 2021 our Construction Management Program became accredited with ABET. We were previously accredited through a different agency and we decided to pursue ABET accreditation so that all three of our programs were accredited with the same agency.

So here we are in Fall 2022 and we're getting ready for our general visit which will be next year in Fall 2023 and that will be for all three of our programs. So, a little more detail on the schedule. By end of Jan the School has to submit a formal request for evaluation and that's done through the dean's office. We also have to have a draft of the Self-Study report. It's a document that we prepare in the department that basically gives a whole backdrop of our program, it addresses all the different criteria that ABET cares about, and so the Self-Study report is the primary document that the reviewers, program evaluators they're called, look at.

We have a draft that's going to be due in January so that we can do a mock visit in the spring semester. And then our actual Self-Study doc is due to ABET by July 1, 2023. Between Jul and roughly Sep or up until whenever our visit is scheduled, we'll be responding. "We" being the department faculty, chair, will be responding to ABET program evaluators with any questions they have or requests for additional information. Then somewhere Sep-Dec timeframe there will be an on-site visit. Typically, they try to schedule them in October or November, but depending on how many visits need to be made, they stretch later into the Fall.

ABET accreditation is basically comprised of criteria that we have to meet. There are eight criterion that are common to all degreed programs and then there's what's called program specific criteria. For example, Civil Engineering might have some criteria that are specific to Civil Engineering programs, Construction Management might have some specific to Const Management programs.

Our Self-Study that we're going to prepare is going to talk about every single one of these criteria and will basically talk about how we meant to do this. Program objectives for criterion 1, for criterion 2, etc. We'll basically go through each of these and in the self-study report on how they're meeting the criteria.

One of the things that ABET is concerned about is to making sure that we are meeting the needs of our stakeholders. As I mentioned, we define our stakeholders as faculty, industry, and alumni, and so one of the things that ABET requires is that we develop what's called Program Educational Objectives and that we review them on a regular basis with our stakeholders.

For those of you who have been through these meetings before, you will probably have heard from me and I basically will present our current program educational objectives and that the purpose of this meeting is not to wordsmith these objectives, but just to make sure they're still relevant to our students today.

In ABET terms program educational objectives are something that we expect our students to achieve maybe five years out for graduation. Maybe not something they'll immediately achieve upon graduating, but within a reasonable amount of time, these are the objectives we'd expect from our graduates.

I'll present to you our program educational objectives for our 3 different programs. You will see that they are very similar with slight differences to make sure we're addressing the specific program. As I present these what I want to do is have you all give me time to read them and then really just make sure that they are still relevant to our graduates.

The first ones I have here are the ones for Civil Engineering program. And we have 3 objectives, we have 3 for each of our programs. First one, for all of our programs, talks about meeting high professional and ethical standards. This second one talks about pursuing either some sort of prof licensure or advanced study. And then the third one relates to being good members of the community; so pursuing leadership positions in their communities and professions. Let me give you a few minutes to absorb these before I go onto the next one.

Tom Baca: Question, as far as the academic contents of this program that included like in high professional standards or is that going to come later?

Dr. Halter: The academic content for accreditation is mostly dealt with in criterion 5 that says students must have a certain amount of math and science and stuff like that. And then also dealt with in the program specific criterion. So, for example in Civil Engineering the program specific criterion says things like "you must have", now these aren't the exact words, but you know, project management, business ethics, you know like subject matter areas. And that's where those specifics are handled. And then, if you're talking about our graduates being able to actually perform, in this case as civil engineers, then I would say that falls into the first bullet.

Dr. May: Firstly, I know you don't want to wordsmith these things, but the sentence that's written up there implies that the employers are setting the high professional and ethical standards. It seems to me that what we're wanting to say is slightly different, that our graduates will maintain the high professional and ethical standards for themselves, as employees and as professionals. As I read this to be that the employer is setting the high professional and ethical standards, and I think it's the graduate themselves that should be setting and maintaining high professional and ethical standards as employees.

Dr. Halter: Right ... right. I think I get what you're saying ... just let me make sure I'm capturing it. So, all the graduates will need to meet high professional and ethical standards and it's really maybe a situation of the standards of the industry as a whole as opposed to say a specific employer.

Dr. May: Yea, I want them, I want our graduates to establish and maintain high professional and ethical standards for themselves. Not what the employers want for themselves as an employee. Can you see if you can work that in?

Dr. Taha: Susan, if we do a change to these, what is the process? Do we need to take this to faculty this Spring?

Dr. Halter: Yea, I think if we decide to make some changes here based on the input from the CEDAB then yea I think in January or whenever you have your first faculty meeting, we should run it by the faculty and just make sure they also agree.

Sandra Begay: Defining it ... where do they get that in the curriculum so they're well prepared for that standard as a person and a UNM graduate that they bring to any job they take, not so much as employer specific.

Dr. May: I agree

Dr. Taha: Graduates obtain and maintain might not describe it right

Dr. Halter: So, what I just heard is that graduates will "**BRING**" high professional and ethical standards to their civil engineering or other careers or something like that.

Dr. May: "to their professional employment"

Dr. Halter: Okay, let me make sure I'm capturing this... does that meet that? Is that sort of what we're getting at?

Sandra Begay: Yea, it meets it if you're defining it as the curriculum while they're here as a UNM student will make you ready. And when you're out getting a job, that's what you should bring to the table besides just the classroom. You have this behavior that you expect from yourself in any job that you take. This is very narrow for just civil engineers, but for me I'm a researcher now so this sort of widens the gap, that wherever you work, we're assuming that we taught you well, that we hit 'ya on the head and said as a graduate you know how you maintain yourself as a good professional.

Dr. May: And you maintain those during your professional employment.

Dr. Halter okay... so ...

Someone else asked: Would it be too general if we just put a period after the word "standards" and took out the employers? So, you just said "Graduates will meet high professional and ethical standards **period**" Does it have to be associated with a ...

Dr. Taha: ... I think it's important during their professional employment or their professional life.

Dr May: "Establishing and maintaining" rather than "meeting"

Sandra Begay: And I'm just giving you perspective as a civil engineer whose been out there in the research side at Sandia lab that I'm learning as we have student interns that you can't assume that they come with the same thoughts you have. You have to articulate it, you have to just lay it on the table. For us at Sandia we have a security clearance ... then we should know what that means. We expect them [interns] to know what that means ... we don't assume anything of what they know. That's like saying they have to know that's what they're going to get when they get their degree ... what's expected of them and maintaining ... it's up to them to understand that you don't get to take a class and forget ethics that it's up to them ... That's why I want to say We want them to understand that they have to meet this.

Dr. Halter So, what I'm hearing here is that "Graduates will establish and maintain high professional and ethical standards. And this last part where we're talking about ...

Dr. Taha and Dr. May: "during your professional career"

Dr. Halter During their professional employment, is that what I heard? Graduates will establish ...

Someone else: "establish or bring"

Dr. Halter: This is something ... the guide that ABET has for this says something someone roughly five years from graduation. So not something they expect their graduates to have immediately upon graduation but something we expect them to achieve once they're out working or establishing their professional career.

So, "bring" is fine too. I just want to make sure we're meeting the intention. Again, this is something that the graduate has, not, to address Jerry's original comment, not something that's imposed upon them by their employer.

Dr. May: I think what you have there reflects what we're talking about.

Dr. Halter: okay

Sandra Begay: I want to make a comment on your second bullet. I think it's great to have the "and/or". When we hire civil engineers at our workplace we don't expect them we expect to have knowledge but cannot assume what they know. I think all of us agree that sometimes a Bachelor's isn't enough that we can all agree that it's that advanced study that helps you form your career so that takes care of both matters

Dr. Taha: agree

Dr. Halter: Okay. Any other comments about this one? The rest, the other programs are similar so as we go through them just assume that I will make the same change on those that we made on this one. Any other comments on this one?

So now the next one is for Construction Engineering and everything is exactly the same. The difference is in the first line, it says Construction Engineering instead of Civil Engineering. If we agree that the changes we made in the previous slide apply to this one, I can make those same changes if you all agree that that's appropriate.

Multiple people: Yes

Dr. Halter. Okay, and then for Construction management, similarly, the first one I can make those same changes. The only other change in Construction Management that I want to point out that a PE is not a pathway for Construction Management students. But we still want them to pursue appropriate professional certification, whether that's a PMP Certificate or something like that.

So, this next slide was already discussed, the question being "are these still relevant"? And so, with the changes made in the first slide, it sounds like then that these objectives are ready to go forward.

Multiple people: Many audible "yes's

That was criterion two. The other criterion that ABET really wants to make sure that the stakeholders are involved in or at least aware of is criterion 3 which is our Student Outcomes.

So, these Student Outcomes are things that ABET expects the students to achieve at graduation. So, by the time they graduate they want us to achieve specific outcomes. And those outcomes are, for the engineering program: it's the first column of this table. There are 7 outcomes that ABET has identified for all engineering programs.

The first one deals with being able to identify, formulate, and solve complex engineering problems

The second one is the ability to apply engineering design to produce solutions

The third one has to do with the ability to communicate

Fourth one is the ability to recognize ethical and professional responsibilities

Fifth one is the ability to function as a team

Sixth one is the ability to do experiments

Seventh one is ability to acquire and apply new knowledge as needed

And so, as a department we have decided that the way we are going to assess these outcomes is with different classes, so that's what the second two columns are, the second and third columns.

Second column is for CE program – here are the classes we're going to use to assess these outcomes. For Construction Engineering program, here are the classes we're going to use.

For our ConE our plan is that we're assessing it in two classes and we'll do the assessment each time the class is taught and the idea is that it gives us enough data points.

So that's the plan for our engineering programs.

We have a similar plan for Construction Management

You'll notice that Construction Management only has six outcomes, but they're similar.

So, for Construction Management, the first one is the ability to identify, formulate, and solve technical or scientific problems

The ability to formulate or design a system to meet the desired needs

Ability to conduct experiments

Ability to communicate

Ability to understand ethical and professional responsibilities

Ability to function on a team

There is some more to engineering, it's the only one not included in Construction Management one, it's the 3rd one, the one that relates to lifelong learning. So once again, these are not things that we decided, these are the things that ABET said we want you to assess.

I put together these three tables. They sort of show a three-year trend or summary of the assessment.

Basically, the assessments are done by the faculty in these individual classes. They identify maybe a homework assignment, or a specific problem on a test, something like that, to assess. And, they evaluate the student on whether they met the outcome. It's a 3-point scale: excellent, met the outcome, or did not meet the outcome.

Our goal is for each class – we want at least 75% of our students to have met the objective or better. ABET does not require 100% that the students meet the object or outcome 100%. All they require is that we use these results as a means to improve the program going forward.

Let's look at this first one – the first one is for Civil Engineering

Here are the results for past 3 years. So, the actions here are:

The outcome was met, meaning in the two classes we assessed, the students met our goal of 75% in both of the classes

Outcome partially met generally means that the students met the outcome in one class, but not the other

Outcome not met means that in both of the classes that were assessed, the students did not achieve our goal of 75% meeting the outcome

The idea here is to look at trends because in any given year things might change. So, for example in outcome #4, partially met one year but then met the next two years.

The one I want to point out is #1, where it was partially met, met, and then not met. That is one that we've looked at these results in our faculty meeting to try to identify ways that we can improve the program whether its changing how we do things in class or what happens.

ABET does not care that we meet the outcomes or not. They care that we're assessing and that we're using this information to improve the program.

So, looking at this first one: ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science, and mathematics. That's for Civil Engineering students and is something that I think we are looking at, as a faculty, we're keeping our eye on that. We don't know if it's something temporary, a Covid hangover, was it different students? We don't know yet but it is something we're keeping our eye on.

Dr. Taha: Point out that CE 308 and CE 331 are two classes that are very analytical. Issues with new learning maybe? If students in one year are not met then if we have another year not met, then we'll be watching outcome here and deciding what's next. We would be expected to make a plan. For ex #6 meeting, now not met. We don't have to take an action on this now.

Dr. Halter: Covid and pandemic did have an impact. Went from all sitting at table to all of us remote. Freshman that started during the pandemic had different experience than students in prior years. Students never had to do those classes alone before.

Sandra Begay: I think you'll have to put this out there ... Covid and the pandemic did impact. It went from all of us sitting at a table to all of us gone and no interaction. I know it probably hit the freshman harder than the upper classmen... Many students lost that ability to connect ... it's scary for them. We have to help them get out of their rooms because it was comfortable, it was safe.

Dr. Taha: We can see the impact because these classes didn't have benefit of student groups, faculty teaching the class in person, students were always coming to faculty offices. Office hours this year are waaaay less than years before. This changes dynamics as we can see with outcome #1 in these two classes that are so highly analytical. We encourage them ... come ask.

ABET would like us to look at this. To see "What can we do"? Not just to meet the outcome, but what can we do to address this for the students.

Someone else: When you assess, do you go by class average?

Dr. Taha: No, what we do, for example, in a class like this, Structure Analysis, instructor selects one problem in the homework saying this is a reasonable complex problem and I'd like to see if students can perform.

Dr. Halter: Next is table for Construction Engineering. Note that ConE is a small program so we don't always have ConE students in our classes every semester. This isn't an issue as far as ABET is concerned because, since we assess the same classes every year, we will eventually capture every single student, as the students progress through the curriculum.

So, for the first outcome, we had an odd situation where we didn't have any ConE students in these two classes that we use for assessment for the past 3 years. So, we don't have any data right now for that. Once again, not a problem because all of our ConE students eventually have to take these classes so we will be able to assess them.

We don't know anything about outcome #1, but given what we saw in CE students, it might be reasonable to say that we may want to keep our eye on this one too.

Outcome #6: once again, as compared to Civil Engineering outcome #6, the experimentation one, seeing a similar result. In ConE, it was met one year, then partially met, then not met. In CE's #6, it was met, met, then not met.

Our last one is Construction Management. This one is kind of no clear trend I would say. We have a partially met then met twice. Also see that we have a partially met, met, then partially met. I don't see anything too worrying with the exception of this outcome #5 which is the ethical and professional responsibilities. That might be one that we take a look at to see how we are covering this in our classes and look to see how we could give our students more exposure to the ethical and professional standards.

Sandra Begay: I'd like to comment about that. That's one of our main goals and I worry about that. I think that we should look at that. It's worrisome especially since it's Construction Management and such a main goal.

Dr. Halter: That's really the end of my presentation. We don't need any vote or anything. It's just giving you the information and getting your feedback. That's what we want from you. At this point I'd like to open it up to see if you have any questions.

Tom Baca: Any lessons learned from previous interactions with ABET? Just basically want to make sure that we learn from those. Anything of that nature that we need to take into account?

Susan: Construction Management had a visit three years ago so we have a little more recent than six years ago. The main things that we've learned over the years are when it comes out outcomes assessment, make sure that we are actually assessing what we said in the outcome. Make sure we're assessing the programs separately and not assessing all the students in one class without breaking them down by program. Most recently from our visit three years ago. From that visit, one of the evaluators pointed out that we weren't necessarily following our process for prerequisite overrides.

So, for example, the comment was not so much associated with outcomes assessment, but with policy.

Dr. Taha: We did address an item from 6 years ago about outcome assessment. For example, we used to use home homework as an outcome assessment, but they said no, be more specific; design a problem to be more specific in order to assess outcome.

For process example, we changed our process for prerequisites and overrides.

So, we did address these two issues that we got from prior visits.

Unidentified member: The timing, sounds like starting a year early, makes a lot of sense in order to put forth the effort to make this happen.

Dr. Taha: Have been working on it all the time but ramped up the effort. It's a lot resources so want to do this early. For example, they may say that your career objectives are not clear on website

Ken Wylie: Who will be conducting the mock visit?

Dr. Halter: The Dean's office has arranged with some program evaluators to do some consulting on the side to basically give us a mock visit. I don't know the names of the exact people, but they are people who are actual trained program evaluators for ABET. Now, because they're doing the mock visit for us they won't be allowed to do the real visit. But there will be someone for each of the departments.

Dr. Taha: We've already been in touch with someone already to be in touch about the process. They are trained evaluators but they are doing this outside. They'll give us feedback on what to look at. It's very useful. They may say something like "your program objectives are not very clear on the website".

Scott Verhines: This whole issue of delivery of education during a pandemic is an interesting one. Will ABET care? Will they take things into account? What do you hear from your colleagues?

Dr. Halter: When I talk to my colleagues at other universities, they are all saying the same thing as we're sharing Students seem less engaged, less motivated, struggling a little more to stay on top of things, and so I think what we're experiencing is some of what other universities are experiencing. As far as ABET is concerned, one again, they're really process driven. They're not so concerned that our students are struggling or even that students might be failing or grades might be down. What they're concerned about is if you're seeing this happen, like data is showing that your students are struggling in certain areas, what then are you doing to try to improve that going forward? That's what they really want to see so that's the sort of stuff like having meetings like this, talking to industry, the faculty meet regularly. In a meeting earlier in December we met and talked about some specific things we might try to do in different classes to try to address some of these things. That's the sort of stuff that we need to document so that we show ABET that we're doing.

Dr. Taha: In my 9 years a chair the hardest was the one that happened during the pandemic.

Unknown member: Similar climate in public and private sector. Employers are dealing with all the same stuff trying to get workers back in the office, face to face. It's a moving target.

Unknown member: Are we teaching all of our courses in sync now?

Dr. Taha: Yes, this is the second academic year that we have it in person. Starting Fall 2021 we were fully in-person for our undergraduates. We do have some online programs for our graduate students, but all of our undergraduates are in person.

Dr. Taha: Any other questions for Susan?

Sandra Begay: Recognize our own situation, demonstrate it, and rectify it. We care about our students. We want to make it better so that's why we need to self-identify. We identify and we rectify.

Dr. Taha: That's why we self-study. For example, when we had a previous visit there was talk about not having enough faculty teaching Construction Management programs and we hired faculty.

Sandra Begay: We're not going to get to the point of graduating if we can't get them through our classes. Have to address mental health at UNM. IF we don't do something about it now, they'll drop out and that's not a good thing.

Dr. Taha: Thank you very much Susan. We're taking a short break then Dr. Schuler will be speaking

- 2:30 pm Dr. Andy Schuler
 - Update on Center of Water & The Environment
 - 10-year anniversary!
 - Overall objectives
 - Research
 - Wildfires/watersheds
 - Water and wastewater treatment
 - The environment impacts of energy alternative
 - Recruit underrepresented minorities into STEM
 - Build institutional capacity
 - For water-related research
 - Impactful education and outreach
 - Overall structure for CWE
 - Southwest Environmental Finance Center – which is sort of a center within a center
 - Staff and faculty
 - Distinguished Lecture Series
 - Outreach and Education activities
 - Big activity is outreach and education
 - Student highlights
 - Student conferences – UNM hosted 18th Annual RMSAWWA/RMWEA in May 2022
 - Student Grants – Carl Abadam grant from New Mexico Water Resources Research Institute
 - Student awards -Natalie Gayoso, Carl Abadam, Derek Belka
 - Research expenditures- a strong trajectory
 - Proposals and Awards
 - Recent grants
 - SW Environmental Finance Center
 - What they do
 - Org chart and staff
 - Infrastructure
 - Looking ahead to 2023
 - 3:00 pm CEDAB Feedback and Discussion
 - Faculty Years of Service
 - 16 faculty members plus Dr. Rojas joining in January
 - Range of service from 1 year to 32 years

- Dr Percy Ng is retiring after 32 years of service to the department
 - CCEE is hiring
 - Two positions have been requested, approved, and advertised
 - There are close to 100 candidates for each position
 - Plan to have 6-8 interviews in the Spring
 - Both hiring for Fall term
 - Will be 18 faculty members with these two new positions
 - Assistant Professor (Tenure–Track) *Computational Mechanics*
 - Search committee chaired by Dr. Percy Ng
 - Open Rank Professor (Tenure–Track) *Environmental Engineering*
 - Search committee chaired by Dr. John Stormont
 - Laboratory Manager
 - The search continues
- Undergraduate Enrollment
 - 155 Civil Engineering BSCE
 - 19 Construction Engineering BSConE
 - 51 Construction Management BSCM
 - 230 total CCEE students
 - Comparable to last year’s enrollment for undergraduates
 - Roughly 25 enrolled, graduating 50
- BS degrees granted
 - Total of 51 BS degrees granted during full year Fall 2021, Spring 2022, Summer 2022
 - Graduations for undergraduates has been fairly consistent at about 50 per year
- Graduate program –
 - 35 Master of Science in CE (MSCE)
 - 14 Master of Construction Management (MCM)
 - 19 Master of Engineering (MEng)
 - 36 Doctor of Philosophy (PhD)
 - 104 total students
 - Graduate students – enrollment numbers are down
 - MSCE and PhD numbers down due to Visas and because we graduated a lot of students
- Graduate degrees
- MCM and MEng are online degree programs – we think both programs will grow
 - 54 graduate degrees granted during full year Fall 2021, Spring 2022, Summer 2022
 - A 32% increase in graduates
 - Last two years we graduated about 100 grad students – a 30% increase in graduation last two years so it makes sense that grad student numbers are down about 25%
- Think numbers by 2023 will be back around 100
- Research Expenditures
 - Includes CWE and Resilience Institute
 - This is the highest number we’ve ever had – these are expenditures, not grants
 - When Dr. Taha first started as Chair, expenditures were \$3M
 - Lots of research money coming
 - This much in expenditures is a lot of strain on the staff
 - The department may be #2 in COE for number of faculty numbers

- 2014 there was 10 faculty
- This growth should justify faculty investment – it's a critical investment
- Challenging to hire faculty – due to competition, small pool so all schools vying for same pool, not offering the highest salary
- Other Productivity Metrics
 - Exceeding expectations for research expenditures
- Last two items
 - Brian Burnett leaving CEDAB advisory board
 - Would like to draft a letter thanking Brian and present it to CEDAB to sign jointly
 - Select a new chair at the next meeting
 - Get nominees and make selection

Next meeting is in May

- 3:30 pm Adjourn