Weekly ESS Center Announcements

Week of November 14, 2023

Please share as you feel appropriate.

These weekly announcements are sent out on Tuesdays.

If you would like us to include your information, please send it to yadeeh@unm.edu by Friday at 5 PM.

ESS HOTLINE: 505-277-4354 | E-mail: ess@unm.edu | Website: ess.unm.edu

SUMMARY

All of our events are FREE and you can...
WIN a gift card. GAIN experience. BUILD your skill set. ENHANCE your resume.

- Upcoming Engineering Student Success Center Events and opportunities
  - **This Week**
    - Lab Safety Series (Part 3 – Nov 14)
    - Inclined Planes and Curved Surfaces, Reflection Symmetry, & Write a Rule (Nov 15)
    - Leadership in Engineering (Nov 16)
  - **New Announcements**
    - Food for Thought: The decision to try
Faculty Highlight: Dr. Melanie Moses
ESS tutors are here to help you prepare for finals

Next Week
Enjoy the brief break! We are thankful for each of you!

Coming Up
Financial Fundamentals (Nov 29)

Reminders
SoE UNITY (prev. EPICS@UNM) – Spring hands-on course
Other ESS Center/SOE News and Info

Job/Research Opportunities/Scholarships
Join our Internship Programs

Other UNM opportunities and news for STEM students
Community news and opportunities

Stay informed via our web app:
“engineering your succESS”
SUCCESS.UNM.EDU

Shortcut “download” instructions:
https://success.unm.edu/menu/howToInstall/

Please share as you feel appropriate.

Follow us on Social Media
https://outlook.office.com/mail/inbox/id/AAQkADJiYjc0NTFmLTY0MWE1NGQ5NC1hZjFmLTY0NjQ2ZjgwZjcxMwAQAD0I08cw2k%2BENvDi6g
**November is Native American Heritage Month**

[Image]

**Engineering Student Success Center Events:**

*All students are welcome to attend. You belong.*

*More information can be found at [https://ess.unm.edu/events](https://ess.unm.edu/events) or through our web app ([succESS](https://ess.unm.edu))*

**This Week:**

- **Lab safety matters!** - Join us for a 3 part series that will prepare you for lab work, or make you a more valuable lab mate. Attend, one, two, or all three*.
  - **What:** Lab Safety Series
  - **When:** Every other Tuesday from 3:30 - 4:30 PM.
  - **Where:** Virtual via Zoom ([https://unm.zoom.us/j/94545196176](https://unm.zoom.us/j/94545196176))
  - **Topics** (Attend all 3 and earn a Lab Safety Certificate from Environmental Health & Safety):
    - 11/14/23. Part 3 - Chemical Waste Management
  - **Partners/Presenters:** Environmental Health & Safety
  - **RSVP is preferred** (for each session) but not required. RSVP will get you a calendar invite, and a week before and day before email reminder.
Inclined Planes and Curved Surfaces, Reflection Symmetry, & Write a Rule - In this workshop, students 1) focus on expanding and applying the knowledge learned in workshops 1-4 to shapes with inclined planes and curved surfaces. A full explanation of how orthographic and isometric views apply to such shapes is provided. Students then practice by building shapes with an inclined plane or curved surface and drawing the isometric views. Then they individually answer workbook problems. They also practice creating orthographic views for inclined planes and curved surfaces in an interactive Orthographic Telephone exercise. For additional explanation of these concepts, students also read and complete a software exercise. 2) explore the spatial visualization techniques of reflection and symmetry by building objects from cube blocks, defining a reflection plane, and drawing the object before and after a reflection. And, 3) learn a new spatial visualization test-taking technique called “write a rule” and apply it, along with their pre-requisite knowledge gained during the previous workshops/lessons in this series (not required, but beneficial), to practice answering test problems.

- **What:** Spatial Visualization Series
- **When:** Wednesday, November 15, 2023, 4 - 5 PM.
- **Where:** In-person only - in the ESS suite Computer Pod - CENT 2080
- **RSVP** ([HERE](https://ess.unm.edu/events)) is preferred but not required. RSVP will get you a calendar invite, and a week before and day before email reminder.
Leadership in Engineering

- **What:** [Career and Professional Development Event](https://ess.unm.edu/events)
- **When:** Thursday, November 16, 2023. 4 - 5 PM.
- **Where:** Synchronous in-person (in the ESS suite - CENT 2080) and virtual via Zoom ([https://goto.unm.edu/esszoom](https://goto.unm.edu/esszoom))
- **Partners/Presenters:** Lilian Casias, PhD Electrical engineering from UNM and Senior Engineer at Sandia National Laboratories

**More info:**
- Visit [https://ess.unm.edu/events](https://ess.unm.edu/events) > November for more information about Dr. Casias.
- With an interactive presentation/conversation, Lilian will review the skills of an effective engineering leader with the audience throughout the session and will not dive into the specific details of program management but rather cover the broader skillset that can be applied to your engineering career. The skills addressed are:
  - Problem-solving
  - Collaboration/Teams
  - Diligence
  - Strategy
  - Communication
  - Emotional Intelligence
  - Creativity
  - Curiosity
  - Flexibility

**RSVP** ([HERE](https://ess.unm.edu/events)) is preferred but not required. RSVP will get you a calendar invite, and a week before and day before email reminder.
New Announcements:
● **Food for Thought:** The decision to try

![Image](https://outlook.office.com/mail/inbox/id/AAQkADJiYjc0NTFmLTY0MWEtNGQ5NC1hZjFmLTY0NjQ2ZjgwZjcxMwAQAD0I08cw2k%2BenEvdZNVje6g)

Every accomplishment starts with the decision to try.

- Gail Devers

● **Faculty Highlights.** See what our faculty study.

Read about other highlights on our webpage dedicated to just this.

The most recent posting is for Dr. Melanie Moses within the [Computer Science Department](https://moseslab.cs.unm.edu/).

**Dr. Melanie Moses’s direct website:** [https://moseslab.cs.unm.edu/](https://moseslab.cs.unm.edu/)
ESS tutors are here to help you prepare for finals
...which are just around the corner! Don’t wait, come see them now.
You can check out the supported courses and schedule through the ESS tutoring webpage or through our succESS web-app.
NEXT WEEK:
Enjoy the brief break! We are thankful for each of you!
COMING UP:

- **Financial Fundamentals** - Learn how to create and stick to a budget, overcome common money pitfalls, eliminate student debt fast, and set yourself up for financial success.
  - **What:** 1st & 2nd Year Student Event Series
  - **When:** Wednesday November 29, 2023. 4 - 5 PM. *Food provided for attendees.*
  - **Where:** Synchronous in-person (in the ESS suite - **CENT 2080**) and virtual via Zoom ([https://goto.unm.edu/esszoom](https://goto.unm.edu/esszoom))
  - **Partners/Presenters:** The Center for Financial Capability - Solomon Gbara
  - **RSVP** ([HERE](https://goto.unm.edu/esszoom)) is preferred to help us have a head count for food, but not required. RSVP will get you a calendar invite, and a week before and day before email reminder.
SoE UNITY (prev. EPICS@UNM) – Spring semester hands-on course

Need a tech elective class for the Spring semester? SoE UNITY can be just that!

And, better yet... **Do you want to GIVE BACK to the community, EARN CREDIT, and GAIN RESEARCH EXPERIENCE all at the same time?!!**

*If you said “YES,” then join SoE UNITY Course/Program for Spring 2023.*

Check out our website for more information. [https://goto.unm.edu/soeunity](https://goto.unm.edu/soeunity). We have some exciting projects in the works, too, they just aren’t updated on the website yet. And, feel free to email (soeunity@unm.edu) or call (505-277-9151) me (Yadéeh) with any questions. I hope you consider joining.

But, to summarize a bit here:
This is a 1 semester commitment that helps you get that hands-on research experience from the inception of an idea through the execution of the design. All options are geared towards students already admitted into their major program or who are eligible for upper division courses.

Other ESS Center/SOE news and information:

- Quick Takes from the Dean - Week of November 13, 2023
  - Join the School of Engineering’s Goal Gathering on Nov. 20
  - Mechanical Engineering wins Provost Committee for Staff award
  - Engineering students among winners at Rio Grande Symposium for Advanced Materials
  - UNM Engineering researchers win awards at annual HSC CTSC Bioventure event
  - Check out the 2023 ‘UNM Engineering’ magazine

- IEEE Women in Engineering Event
  IEEE Women in Engineering Public Talk on Thursday Nov 16, 2023 at 5:00PM. Join us through the inspiring journey of a women in engineering, Dr. Wendi Heinzelman, Dean of Edmund A. Hajim School of Engineering and Applied Sciences, University of Rochester. The event will be on Zoom and will be open to public. Register at https://unm.zoom.us/meeting/register/tJYrcu2hqjwjGNOoY1YPbJjdyytsp-xfolJA or register through the QR code on the flyer.
Job/Research Opportunities/Scholarships

(See Previous Announcements below for additional opportunities)

SCHOLARSHIPS

- Please visit ESS Scholarships for a full list – many are available to all, regardless of citizenship status:
  Internal: https://ess.unm.edu/programs/current-students/scholarships/internal.html
  External: https://ess.unm.edu/programs/current-students/scholarships/external-scholarships/external.html
JOB/RESEARCH OPPORTUNITIES

- **Need help with a Resume or Cover Letter?** We’ve got you covered. Please reach out to our very own Nada Abdelhack, our Job and Internship Placement Coordinator. Email: esscareers@unm.edu. Phone: 505-277-1403.

- **Please visit ESS Internships and Jobs for a full list** – some are available to all, regardless of citizenship status
  - Internal internship programs: [https://ess.unm.edu/programs/current-students/internships/index.html](https://ess.unm.edu/programs/current-students/internships/index.html)
  - External Jobs & Internships: [https://ess.unm.edu/resources/career.html](https://ess.unm.edu/resources/career.html)

This includes our SPSP Internship Program. Are you a Junior, Senior, or Graduate student in an Engineering or Computing field? Learn more at [https://goto.unm.edu/internships](https://goto.unm.edu/internships). Students are required to participate 12 weeks, 15 hours per week and will receive a stipend. Questions about the SPSP Internship Program? **Contact Nada Abdelhack at esscareers@unm.edu, 505-277-1403**
Undergraduate Water Science Communication Fellowship
Through UNM Grand Challenges Sustainable Water Resources program. [https://urad.unm.edu/students/unm-undergraduate-fellowship-sustainable-water-resources.html](https://urad.unm.edu/students/unm-undergraduate-fellowship-sustainable-water-resources.html)

The Grand Challenges Water Science Communication Fellowship on campus is pairing students who are interested in getting involved in research with faculty who are conducting water-resource related research. Fellows then spend the spring semester completing a communications project based on their mentor’s work, which is presented at UROC. This is open to all disciplines, classifications (as long as they are an undergrad), and does not require any previous research experience. Fellows who are accepted also receive a **$1000 stipend and the application closes Dec. 1st.**
The NREL Student Training and Applied Research (STAR) internship program
Info session: Thursday, November 16 from 1 – 2 PM on Microsoft Teams. Reach out to Milana Pakes (Milana.Pakes@nrel.gov) for details.

Looking forward: NREL STAR Program 2024-2025

UNM Events/News
Check back next week.

Community Events/Opportunities

AI4ALL Ignite Program

https://ai-4-all.org/ai4all-ignite/

Info sessions: https://bit.ly/3ZIAWoy
What is AI4ALL?

AI4ALL is a national nonprofit that is transforming the pipeline of AI practitioners and creating a more inclusive, human-centered discipline. We empower students to be AI Changemakers by cultivating an environment where they develop skills in critical thinking and relationship-building, and expertise in responsible AI. AI4ALL champions the diverse next generation of AI changemakers through education, ethics, and relationship-driven networks.

What is AI4ALL Ignite?

APPLY HERE

AI4ALL Ignite provides undergraduate students the opportunity to

- Work on an AI portfolio project with mentorship and guidance from AI industry experts
- Present in a student symposium on their AI portfolio project and network with AI industry professionals.
- Participate in extensive and practical training in career readiness and the technical AI internship interview
- Train in mock AI technical interviews and network in opportunity chats with AI recruiters

Eligibility and Deadlines:

- Spring 2024 Cohort Early Application Deadline: December 15, 2023
- Spring 2024 Cohort Final Application Deadline: January 22, 2024

While all are welcome to apply, AI4ALL prioritizes students whose race, gender, or ethnicity has been historically excluded from AI: Black, Hispanic and Latinx, and Indigenous folks; and women, gender-expansive, and non-binary folks. You can find full eligibility on the AI4ALL Ignite website.
PREVIOUS ANNOUNCEMENTS

Other opportunities and news for STEM students:

SOE & STEM Student Org Meetings and Campus Events

Check back next week

Job/Research Opportunities/Scholarships

Check out the ESS website pages dedicated to jobs, internships, and scholarships for more.

- Scholarships Available for New Mexico Undergraduate Women

P.E.O. (Philanthropic Educational Organization) is an organization with 6,000 chapters and 225,000 women members in the United States and Canada. The scholarships below are offered by the state of New Mexico's P.E.O. Chapter.

These scholarships are for female residents of New Mexico, they are merit based and require full-time status at an accredited institution.

Scholarship applications are due February 1st, 2024. Scholarship recipients will be awarded for the 2024-2025 school year with funds made in 2 payments to their university at the beginning of each
semester.

<table>
<thead>
<tr>
<th>Scholarships:</th>
<th>Delilah Williams Scholarship</th>
<th>New Mexico State Women's Scholarship</th>
<th>Jean Boswell Foundation Scholarship</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Requirements:</td>
<td>At Freshman or Sophomore level for the 2024-2025 academic year at a NM institution.</td>
<td>At Junior or Senior level for the 2024-2025 academic year at any four-year college.</td>
<td>At Junior or Senior level for the 2024-2025 academic year at any four-year college.</td>
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<tr>
<td>Judging Criteria:</td>
<td>Scholastic ability, participation in school and community activities, potential to succeed.</td>
<td>Scholastic ability, participation in school and community activities, potential to succeed.</td>
<td>Scholastic ability, participation in school and community activities, potential to succeed.</td>
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<tr>
<td>Scholarship renewable:</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Amount of scholarship:</td>
<td>A minimum of $2,600.</td>
<td>A minimum of $2,600.</td>
<td>A minimum of $2,600.</td>
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<tr>
<td>Payment of scholarship:</td>
<td>Paid directly to the institution in two equal installments, one each semester.</td>
<td>Paid directly to the institution in two equal installments, one each semester.</td>
<td>Paid directly to the institution in two equal installments, one each semester.</td>
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<tr>
<td>Other qualifications:</td>
<td>Must be admitted to the institution to apply.</td>
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<td>Deadline:</td>
<td>February 1st</td>
<td>February 1st</td>
<td>February 1st</td>
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</table>

Additional Loans and Scholarship Opportunities for Women:

For more information about the Philanthropic Educational Organization for women and their scholarships/loans, please visit their website at [https://www.peointernational.org](https://www.peointernational.org) and search under “P.E.O. Projects.” For questions on these scholarships or loans contact newmexicopeochapterad@yahoo.com.

- **Summer REU 2024 at Alabama State University**
  PROGRAM INCLUDES
  - Hands-on research in state-of-the-art facilities
  - Exciting projects from multidisciplinary faculty ([http://bioreu-alasu.org/](http://bioreu-alasu.org/))
  - Weekly career development seminars, workshops, and field trips
  - Group social activities
  - Presentations in research symposiums

ELIGIBILITY
- Undergraduate students majoring in science or engineering
- U.S. Citizen or permanent resident
- Minorities and women strongly encouraged to apply
AWARD
- $600/week stipend
- Travel allowance
- Room and board

Application Deadline: March 8th, 2024

Program Dates: * May 20th to July 26th, 2024 (10 weeks) (*Dates are subject to change)

Complete applications should be submitted online at http://bioreu-alasu.org/apply/. For more information check our webpage (http://bioreu-alasu.org/) and QR code

UNM EVENTS/NEWS

Listed in Chronological Order

(Repeat/Continuous opportunities are not included)

- **Study Abroad Fair**
  November 14, 2023 from 10 am – 2 pm. SUB 2nd Floor & Atrium.
  https://studyabroad.unm.edu
• **University Libraries Workshops**

**And, Coffee & Code** starts on Sept. 1 at 9am with **Programming with Python**: Coffee & Code **Programming Concepts**. A hands-on workshop series presented by the UNM Libraries Research Data Services team, which features a variety of introductory data science tools and topics. All Coffee & Code workshops are held in Centennial Science & Engineering Library room DEN 2. No experience necessary. Registration is required, and coffee & donuts are provided!

• **Friday, Dec 1, 9-11am**: Engineering ChatGPT Prompts for R Code

![Coffee & Code Monthly Coding Workshops](image-url)

• **Fall 2023 Honors College Wellness Series Events – Open to all**

**PHYSICAL WELLNESS**
Starting August 31, every Monday, Wednesday, and Thursday all University of New Mexico students, faculty and staff are welcome to join us at noon (12pm) for an hour of movement. We will be engaging in different types of activities to stimulate community and help students develop their Lobo identity. Grab your shoes, sunscreen, and your water bottle, and meet us at the Honors College Patio!

**ECONOMIC WELLNESS**
The Honors College is partnering with the Center for Financial Capability to help students strengthen their financial literacy.

- **November 14th - (Workshop) CFC Tax Workshop**

• **Introducing UNM TimelyCare**
Remember that as a UNM student, you have access to free, 24/7 virtual health care services and support through **UNM TimelyCare**, including on-demand medical care, mental health and emotional support, basic needs assistance, and health coaching. It’s another way of providing you with a **wide range of resources** that will help achieve a sense of well-being, live healthier lifestyles and improve mental health. But please don’t wait until you need it; **set up your account now**, so the moment you do need services or support, you’ll be ready to go.

![UNM TimelyCare](image-url)

• **LoboEats (developed by one of our very own CS students)**
https://food.unm.edu/sustainability/lobo-eats/find-food.html
You should start receiving notifications through the app after October 23rd.

LoboEats is a brand new app that enables UNM organizations and departments to post when they have free food available to share with other Lobos. LoboEats connects UNM students, faculty, and staff with
organizations and departments that have leftover food from catered events. This app will help reduce food waste and aid food-insecure individuals within the campus community.

- **Lobo Food Pantry Fall Hours**
  
  Food insecurity comes in many forms and impacts all aspects of your life

  ~30-40% of UNM students are housing/food insecure, and ~50% are first generation.

Please make sure you utilize the available resources like the Lobo Food Pantry and Student Guide tab resources: [http://goweb.unm.edu/studentguide/](http://goweb.unm.edu/studentguide/).

- **SHAC Workshops:**

  NO CHARGE! RSVP: [studentcounseling@unm.edu](mailto:studentcounseling@unm.edu)

  Deadline to Register: 1 Business Day Before Each Workshop

  For more Fall Workshops, see: [SHAC Workshop Webpage](#)

  Including...
• Free confidential counseling

The UNM Counseling Program is excited to be offering free confidential counseling for children, adolescents, adults, couples, and families this semester on our UNM main campus clinic. This center is a training center for our advanced graduate students under supervision from our amazing UNM faculty and licensed professional counselors. These sessions will last 50 minutes and allow clients to be seen each week throughout the Fall semester. These sessions will be video recorded for supervision purposes and stored in a secure HIPAA compliant space. Appointments are available on Monday, Tuesday, and Wednesday all the way until 7 pm.

Please call us at 505-277-7311 to complete a brief telephone screening to determine that our services are best for you. We look forward to hearing from you soon!
• **Open Chalk Night**  
*Even if you don’t want to present, it’s a great opportunity to learn!*

Open chalk night is a monthly meetup for graduate and undergraduate students to practice presenting mathematics at a blackboard to an audience. Modeled after the Graduate Teaching Seminar presentations and open mic nights where would-be musicians play songs to a distracted audience, this event is a time for students to socialize and develop comfort communicating mathematics and recovering from mistakes. Here’s how it works: Bring a problem, sign up to present on the sign-in sheet, wait your turn, then take the chalk and present. Problems can come from anywhere (homework, contests, etc), but please keep it to something that can be presented in 5-10 minutes. Snacks and beverages will be provided.

- **Weekly UNM Nature Walks**  
If you've never joined us before, Nature Walk is a weekly event hosted by the Museum of Southwestern Biology. **We meet every Friday at noon at the UNM Duck Pond** for an hour-ish walk around campus to explore the nature around us. Many times, this includes teaching newcomers how to use community science apps like iNaturalist and eBird (especially during BioBlitz time), but we've also done themed walks like duck anatomy illustration, turtle counts, an arboretum tour, edible plants, and more! Further details on our [event page](http://unm-bioblog.blogspot.com/).

- **Bio Blog Posts**  
The link is here: [http://unm-bioblog.blogspot.com/](http://unm-bioblog.blogspot.com/)
• **New Mexico Research Symposium**  
  In-person @ UNM Student Union Building, November 4, 2023.

This collaboratively hosted annual research conference features oral presentations, a poster session, the Rio Grande Research SLAM, and a keynote address. Free and open to the public, this event is geared towards undergraduate and graduate students from across NM. [More info here...](https://outlook.office.com/mail/inbox/id/AAQkADJiYjc0NTFmLTY0MWEtNGQ5NC1hZjFmLTY0NjQ2ZjgwZjcxMwAQAD0I08cw2k%2BenEvdZNVje625/26)

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We hope to see you around.

In Solidarity,

**Yadéeh E. Sawyer, Ph.D. (she/her/ella)**

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1st and 2nd Year Experience Manager  
Student Success Coordinator  
(UNM Alumni; Staff Council Grade 13 Rep)  
Safe, Green, and Dream Zone Certified

UNM - Engineering Student Success Center - Room 2095  
yadeeh@unm.edu  
505.277.9151

Schedule a meeting with me [through Bookings](https://outlook.office.com/mail/inbox/id/AAQkADJiYjc0NTFmLTY0MWEtNGQ5NC1hZjFmLTY0NjQ2ZjgwZjcxMwAQAD0I08cw2k%2BenEvdZNVje6)

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*Stay informed* through our web app: [succESS](https://outlook.office.com/mail/inbox/id/AAQkADJiYjc0NTFmLTY0MWEtNGQ5NC1hZjFmLTY0NjQ2ZjgwZjcxMwAQAD0I08cw2k%2BenEvdZNVje6)

**ESS Webpage:** [ess.unm.edu](https://outlook.office.com/mail/inbox/id/AAQkADJiYjc0NTFmLTY0MWEtNGQ5NC1hZjFmLTY0NjQ2ZjgwZjcxMwAQAD0I08cw2k%2BenEvdZNVje6)

Tutoring | Scholarships | Mentoring | Undergraduate Research | EPICS | Internships and Co-Ops | Engineering Ambassador | Academic Success Workshops & Special Events for Engineering and Computer Science Students

**ESS social media**: @UNMESSCenter

**Events and Workshops**: [ess.unm.edu/events](https://outlook.office.com/mail/inbox/id/AAQkADJiYjc0NTFmLTY0MWEtNGQ5NC1hZjFmLTY0NjQ2ZjgwZjcxMwAQAD0I08cw2k%2BenEvdZNVje6)
**Semester Long Programs:**

- **Mentoring:**
  - Get a Mentor who is a STEM Professional
  - Be a Peer-Mentor

- **Research:**
  - Student Research Experience Program
  - EPICS (Engineering Projects in Community Service) @ UNM

Want to know about other STEM related opportunities? Join our listserv: UNM_STEM-L

ESS is located on the 2nd floor of the Centennial Engineering Center #2080

MSC01 1145; Building 112 (UNM Campus Map)