Hello Students!

Preparations for finals are well underway and the semester is rapidly coming to a close. Before break, we encourage you to find time to meet with your academic advisor to ensure that you’re on track for spring, fall, and beyond. Curriculum flowcharts are attached to this e-mail and are available on our webpage (click on ‘Roadmap to Success’ or click HERE). Please also take a look at the November newsletter for curriculum updates. Click HERE to go straight to WebAdvisor or visit http://webadvisor.sdsmt.edu.

Congratulations to All Graduating Students!

The CEE department would also like to extend a warm “congratulations!” to all of our students who will be graduating this winter at commencement on December 21st. They are: Ethan Doyle (CEE), Zachery Hartung (CEE), Tyson Hasz (CEE), Carl Rohde (CEE), Christopher Timm (CEE), Daygan Fowler (ENVE), Ramazan Alizadeh (MSCE), Dol Raj Chalise (MSCE), James Dean (MSCE), Kody Heller (MSCE), Stephen Kilber (MSCE), Madisen Lane (MSCE), Austin Norberg (MSCE), Caine Shagla (MSCE), Clifford Bienert (MSCM), Kurt Fisher (MSCM), Ethan Hudson (MSCM), Robert Scull II (MSCM), and Jonathan Zumwalt (MSCM). We wish our graduates every success in their future careers!

How to Register for the New FE Exam:

Registration for the new computer-based FE examination is now open!

Previously administered twice a year as a paper-and-pencil exam, beginning in 2014 the FE Exam will be administered as a six-hour computer-based test with test dates in January, February, April, May, July, August, October, and November. Candidates must be within two semester of graduating, and all eligible students are strongly encouraged to take this exam. In order to register for the FE Exam, first go to the South Dakota Board of Technical Professions website to complete the State registration form.

- https://apps.sd.gov/applications/ld17btp/Applications/secure/forms/BTPFEApplication.asp

After registering with the State, go to the National Council of Examiners for Engineering and Surveying (NCEES) web site to formally register for the exam and purchase study materials.

- http://cbt.ncees.org/register-for-your-exam

Once registered with NCEES, there will be a direct link provided to Pearson VUE where you will select a specific test site and test date. SDSM&T will not be present as an authorized test center until certification is complete (expected early January 2014), so please be patient in registering for a specific FE Exam date.

A Path to Professional Licensure:

To learn more about the FE Exam and the registration process, take a moment to watch these videos

- About the FE Exam
- How to Register for Your NCEES Exam


Employment/Internship Opportunities:

Don’t Forget about The Goldmine:
Check out The GoldMine for a list of opportunities available to Mines students. Hint: Click jobs search, select “advanced search” then specify your major to get a list of relevant opportunities.

Goldmine Postings Expiring in December:
- Clark Engineering Corporation – Civil Engineer – Full-Time Entry-Level – EXPIRES 12/6/13
  Direct Link to Job Posting
- SD Dept. of Environment and Natural Resources – Environmental Engineer – Full-Time Entry-Level – EXPIRES 12/11/13
  Direct Link to Job Posting
- Black Hills Corporation – Civil Engineering – Facilities Intern – EXPIRES 12/15/13
- Dakota Gasification Company – Civil Engineering – Co-op (Spring/Summer 2014) – EXPIRES 12/16/13
- Dakota Gasification Company – Civil Engineer – Full-Time Entry-Level – EXPIRES 12/31/13
- Dakota Gasification Company – Civil Engineering – Co-op (Spring/Summer 2014) – EXPIRES 3/31/14
- Dakota Gasification Company – Environmental Engineering – Co-op (Summer/Fall 2014) – EXPIRES 3/31/14
- Pete Lien & Sons, Inc. – Environmental Coordinator – Full-Time Entry-Level – EXPIRES 12/16/13
- Trihydro Corporation – Environmental Chemist – Full-Time Entry-Level – EXPIRES 12/16/13
- East River Electric Power Cooperative – Civil Engineering – Internship – EXPIRES 12/16/13
- Wenck, Associates – Junior Level Air Quality Engineer – Full-Time Entry-Level – EXPIRES 12/31/13
- Black & Veatch – Civil Engineer – Full-Time Entry-Level – EXPIRES 1/1/14
- Black & Veatch – Civil Engineering – Internship – EXPIRES 1/1/14

Where will you be 6 months from now?
Winter break is a great time to begin thinking about summer employment and internship opportunities. Courtesy of the Career Center, here are two useful resources to take a look at during your holiday down-time:
- Cindy’s List of Job Hunting Resources (Includes links to various lesser-known job boards)
- Resume-Writing Guide

Scholarships:

NEW: NASA Langley Aerospace Research Student Scholarship Program (LARSS): DUE 2/1/2014
LARSS is a paid, year-round research internship program with 3 sessions - fall and spring (15 weeks) and summer (10 weeks). It is open to U.S. citizens who are full-time students in community college, undergraduate and graduate students, and a few select high school students. For 26 years, the LARSS program has helped to preserve U.S. leadership in engineering and science by providing exceptional students the opportunity to work with Langley researchers on some of the Nation’s most important, difficult, and challenging problems that require multi-disciplinary and collaborative solutions.
Eligibility is as follows:
- U.S. Citizen
- Full-time student status
- Classification as a rising junior, senior, or graduate student by the start of the summer session
- Cumulative 3.0 GPA on a 4.0 scale

To learn more, watch: http://www.youtube.com/watch?feature=player_embedded&v=UNQzoKKreSE
To apply, visit: http://nia-cms.nianet.org/LARSS-2012/Application.aspx
Scholarships, Cont.:

**NEW: RESPEC Undergraduate Research Grant:** DUE 3/14/14

One full-time, degree-seeking undergraduate student who will graduate in 2015 will be selected for a $10,000 award plus a summer internship with RESPEC, a company that had its beginnings in Rapid City. Students must submit a research proposal focused on one of the following six topics:

- Alternative and traditional energy (source location and development strategies)
- Water resources (including water quantity/quality and watershed studies)
- Environmental science (including natural resources and sustainability)
- Geology (including groundwater and geophysics)
- Mining engineering
- Rock mechanics

Proposals are to be submitted electronically to Mrs. Jeanette Nilson, Research Affairs at Jeanette.Nilson@sdsmt.edu no later than 4:30 pm on March 14, 2014 and are to include the following:

- One title page
- Up to three pages describing the project and anticipated results
- One budget page (funds may be used only for a student stipend and direct project costs, i.e.: materials and supplies, and travel)
- One letter of support from the proposed faculty supervisor

Interviews will commence mid-April and the winner will be announced by April 25, 2014. The selected research project will begin in September and must be completed by August 15, 2015. For more information, please visit:


**NEW: ASEE SMART Scholarship:** DUE 12/16/13, 5:00 PM

**The GoldMine:** Post # 4507

The Science, Mathematics and Research for Transformation (SMART) Scholarship for Service Program is an opportunity for students pursuing an undergraduate or graduate degree in Science, Technology, Engineering, and Mathematics (STEM) disciplines to receive a full scholarship and be employed upon degree completion at a Department of Defense research facility.

Scholarships awarded include a cash award of $25,000 to $38,000 a year, full tuition, required fees, health insurance contribution, and book allowance. The SMART Program will allow individuals to acquire an education in exchange for a period of employment with the Department of Defense. The program is intended for citizens of the United States; students must be at least 18 years of age to be eligible for an award. Please visit [https://smart.asee.org](https://smart.asee.org) for more information.

**SDSM&T Continuing Student Scholarships:** DUE 12/31/13

If you wish to be considered for SDSM&T undergraduate academic scholarships for full time students awarded for the 2014-2015 academic year by the University Scholarship Committee, you must complete this short, on-line application. The **deadline for completion and submission is the stroke of Midnight Mountain Standard time, December 31, 2013 (no exceptions).**

**American Council of Engineering Companies (ACEC) Scholarship Program:** DUE 3/14/14

Scholarships varying from $3000 to $10,000 will be awarded to 6 students who are U.S. citizens pursuing a bachelor’s or master’s degree in engineering. Students are encouraged to reflect their interest and commitment to the business and management of the profession throughout their applications. To learn more, visit [http://www.acec.org/getinvolved/scholarships.cfm](http://www.acec.org/getinvolved/scholarships.cfm)
Student Organization Updates:

Update from ASCE:

Hi everyone! The all-department holiday party/potluck is this Sunday. Come wrap up the semester with a great celebration and good food—everyone is invited! Remember to bop by the CEE office and ask Arlene about what to bring. We’re looking forward to seeing you there!

- **December 8: All-Department Holiday Party/Potluck at Fairway Hills Party House**
  Celebrate the season with CEE departmental faculty and staff from 4:00 to 6:00 PM. The more the merrier!
  Address: 3949 Fairway Hills Drive
  Please speak with Arlene in the CEE office regarding what to bring to the potluck.

- **December 12: Fundraiser at the Civic Center**
  We’d love volunteers to run concessions and help set up. Remember, this is how we’re able to put on fun events and help keep the cost of attending regionals down! Email: ASCE@mines.sdsmt.edu
  We need: 10 volunteers for concessions from 10:00 AM - 6:00 PM and 4 volunteers for setup from 7:30 to 10:00 AM.

- **Remember to stay in the loop by joining us on Mineslink:**
  https://sdsmt.collegiatelink.net/organization/americansocietyofcivilengineers

We’d also like to recognize our new officers with a hearty “congrats.” They are:

- President: Kirk Ehlke
- Vice President: Nick Clagget
- Recording Secretary: Kathleen Ryan
- Responding Secretary: Abby Fleck
- Web Master: Kevin Barry
- Treasurer: Michael Dollarhide
- Historian: Cody Schellinger

Congratulations and thank-you to everyone who was in the running—every single member is a vital part of our chapter’s success!

Note from Concrete Canoe Captains Kyle & Logan:

We’ve spent the last month studying different concrete aggregates. Lately, we’ve also been narrowing down our selection for the canoe mold, and we’re just about ready to put in our order. We’re definitely looking forward to next January, when we’ll do the concrete pour. If you haven’t gotten involved yet, don’t hesitate to contact Kyle.Carey@mines.sdsmt.edu or Logan.Vogt@mines.sdsmt.edu. We can’t wait to see you all again next semester!

Note from Steel Bridge Captains Kirk & Nick:

As the semester is winding down, we’ve been spending a lot of time optimizing our design with an eye to reducing weight and deflection. We’re looking forward to next semester, when we start fabricating the bridge itself. In order to prepare for that, we hope to have the design completed before we all leave for break! We’ll be meeting Wednesday December 11th to do some team-building by constructing a table for our new area in the old surveying lab. Come find us in CM 216 if you’re around on the 11th at 12:30 and have a slice of pizza. If you can’t make it, feel free to email Nicholas.Claggett@mines.sdsmt.edu or Kirk.Ehlke@mines.sdsmt.edu to find out more about getting involved next semester.

Update from Engineers & Scientists Abroad:

Fundraising has been the name of the game this fall. From making and selling puppy-chow to interviewing for major funding from the Frank Family International Fund through the SDSM&T Foundation, we sure have been busy. If you’d like to get involved, learn more about our projects, or have any great ideas for fundraising, email ESA@mines.sdsmt.edu. Also ask about purchasing a domino’s gift card to support our fundraising efforts for our projects abroad!
A Final Memo (about Finals!):

Please check and double-check your final exam schedule! Since the academic calendar has changed considerably this year and final exams are split over two weeks, please check the final exam schedule to make sure you know when and where your exams are. The final exam schedule for fall 2013 is listed below. To print or save a copy, the document can be accessed HERE.

### CLASSES WHOSE FIRST CLASS DAY OF THE WEEK IS M, W, OR F

<table>
<thead>
<tr>
<th>Regular Course Meeting Time</th>
<th>Final Exam Period</th>
<th>Date</th>
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<tbody>
<tr>
<td>8:00 a.m.</td>
<td>1-2:50 p.m.</td>
<td>Dec 18</td>
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<tr>
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<td>2:00 p.m.</td>
<td>4-5:50 p.m.</td>
<td>Dec 16</td>
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<td>3:00 p.m.</td>
<td>11-12:50 p.m.</td>
<td>Dec 17</td>
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<tr>
<td>4:00 p.m.</td>
<td>5-6:50 p.m.</td>
<td>Dec 17</td>
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<tr>
<td>Evening Classes</td>
<td>7-9:00 p.m.</td>
<td>Night of original class during finals week.</td>
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### CLASSES WHOSE FIRST CLASS DAY OF THE WEEK IS T OR TH

Day classes, that do not start on the hour will have their final examination as if the course started on the hour.

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Have a Fantastic Break, Everyone!

For your enjoyment:

- An Engineering Perspective on Christmas
- Holiday Spec Plans
- 20 Awesome Gifts (A unit circle wall clock--just what you’ve always wanted!)