Hello Students!

We’re headed into the springtime swing of things and that means getting back to planning for summer and fall. Priority registration on WebAdvisor has begun. We’d like to remind you once more to see your academic advisor if you haven’t already. She or he can help you navigate curricular changes for upcoming semesters as well as ensure that you’re on track to graduate in a timely fashion. Also, we’d like to highlight this week’s exciting seminar series presentation. Kiewit’s Vice President, Connie Determan, will give a talk about entitled “Achieving Your Engineering Aspirations” on Wednesday the 26th in CM 310. Come take advantage of this opportunity to receive advice and lessons-learned from a 25-year veteran of industry. See you there!

Curricular Updates:

• The CEE department will be offering EM 214 and EM 321 this summer if we can get 10 students to enroll in each. Last year we were able to offer EM 214. If you’d like to stay on track or get ahead, please consider enrolling for these critical prerequisites on WebAdvisor as soon as possible.

• Biol 341: Microbial Processes in Engineering and Natural Sciences will be offered as a summer course, to be taught by Dr. Rajeeh Sani. This is a required course for all EnvE minors but a great opportunity for all CEE students. Remember, you are required to complete at least 3 credit hours BIO, GEOL, ATM, or GEOE 221/221 to fulfill your science electives requirement.

• Seniors: As you are probably aware, we are moving from a 2-semester sequence for senior design to a 1-semester, 3-credit class taken in your last semester, starting in fall 2014. The prerequisites for senior design are: a C or better in CEE 326, CEE 336/336L and CEE 346/346L.

• More curricular updates were included in the February newsletter. Review them at:
  ✓ http://www.sdsmt.edu/Academics/Departments/Civil-and-Environmental-Engineering/Docs/FebruaryStudentNewsletter2014/

CEE Students Recognized for Outstanding Contributions

Congratulations to Rika Beck, Nick Claggett, and Kylie Berger!
Each year the CEE department recognizes students in our own department for their hard work and dedication. This year, Nick Claggett and Kylie Berger have been selected as our outstanding juniors, and Rika Beck is this year’s outstanding environmental engineering student. They will be honored on April 11, 2014 at the 2014 Honor’s Convocation.

Congratulations to Tyler Hengen, Spencer Ferguson & Gina Rossi!
The CEE department would like to congratulate Spencer Ferguson and Gina Rossi, two of this year’s 2014 Leadership Awardees. Gina Rossi has been recognized as this year’s “Rising Star” awardee and scholarship recipient, and Spencer Ferguson will be inducted into the Leadership Hall of Fame in recognition of his tireless service to our campus community. Spencer was also selected as the Outstanding Senior in CEE. We’d also like to congratulate Tyler Hengen for receiving an Outstanding MS Graduate Award. The recipients will be recognized at the annual Honor’s Convocation, to be held April 11, 2014.
Spring 2014 Seminars and Thesis Presentations

Held 2nd and 4th Wednesday of Every Month, 4:00 – 4:50 PM in CB204W

For more information, contact Dr. Sangchul Bang (Sangchul.Bang@sdsmt.edu) or visit the CEE webpage


**March 26, 2014:** Achieving Your Engineering Aspirations
Connie Determan, Vice President of Environmental, Kiewit (CE ’84 and MSCE ‘85)
A 25-year veteran of the industry, Connie Determan, Vice President of Environmental at Kiewit Corporation, will be visiting on March 26, 2014 to offer advice and share lessons learned to help you not only reach, but exceed your engineering aspirations.

**April 9, 2014:** 2014 Western South Dakota Hydrology Conference
In lieu of the CEE graduate student seminar this week, students are encouraged to go to the 2014 Western South Dakota Hydrology Conference at the Rushmore Plaza Civic Center in Rapid City, which will include technical sessions, a keynote speaker, and a combined poster session and evening social.

**April 16, 2014:** Permeability of the Inyan Kara Group in the Black Hills Area
Dr. Perry H. Rahn, PE, Professor Emeritus, SDSM&T Department of Geology & Geological Engineering
Real groundwater velocity data for this aquifer seem to invalidate the Darcy Law prediction. Based on tritium data, Gott et al. (1974) determined the groundwater velocity in the Inyan Kara Group in the Dewey/Burdock area is 5,480 ft/year. This value seems very high, but may indicate fast groundwater movement through very permeable units or through fractures.

Internship & Job Opportunities:

**Terracon Consulting Engineers & Scientists: Local Summer Internship**
Terracon is in need of seasonal help in our construction materials testing department this summer in the Rapid City area. The position will mainly involve field testing of soils, concrete, and asphalt, but may also include some laboratory testing as well. Terracon will provide all the necessary training. A full description and information on how to apply will soon be posted online at [www.terracon.com](http://www.terracon.com). Interested students are encouraged to continue checking the company website. Note that the position time frame is tentatively set to begin in May and run through August.

**City of Rapid City Public Works Department: Part-time Opening for SDSM&T Sophomore or Junio**r
The City of Rapid City Public Works Department, Engineering Services, has an immediate part time job opening for a sophomore or junior engineering student. Tasks include simple engineering calculations, the writing of reports and resolutions, data entry into a GIS system, working with an access data base, and miscellaneous technical tasks. Other computer applications involved are Arc GIS, AutoCAD, Excel, Word, and more. The position is limited to 1,040 hours per year. In the past, students have worked full time during the summer and 8 – 16 hours per week during the school year. Applicants should expect to work for 1-2 years before graduation. Interested students are encouraged to apply to the advertised “Clerical/Technical” position at the following link before March 31, 2014:


You may also send a résumé or enquire about the position by contacting Michelle Schweitzer (Michelle.Schweitzer@rcgov.org)
Scholarships:

**NEW: Great Lakes National Scholarship Program:** DUE 4/5/14

The Great Lakes National Scholarship Program is offering $2500 scholarships to students majoring in science, technology, engineering, or math (STEM) disciplines. Up to 750 awards will be granted for the 2014-2015 academic year to qualified students from across the country. Applicants must have a minimum cumulative GPA of 2.75 on a scale of 4.0 and must demonstrate financial need. Please note that the application deadline is April 5, 2014 or once the first 20,000 scholarship applications are submitted, whichever is earlier. For more information on this scholarship and to access the online application, go to:

- https://www.scholarshipamerica.org/greatlakes/

**NEW: Minnesota County Engineers Association Scholarship:** DUE 4/4/14

As part of MCEA’s scholarship program for Minnesota residents, four at-large scholarships of $2,000 each will be awarded to civil engineering students attending any university. Applicants should be Minnesota residents who will be enrolled as full-time undergraduate or graduate students for the 2014-2014 academic year. To download an application, visit:

- http://www.mncountyengineers.org/scholarships/

**NEW: American Public Works Association MN Scholarship:** DUE 6/13/14

Each year the American Public Works Association – Minnesota Chapter (APWA-MN) awards 5 scholarships to college students pursuing civil engineering or public works degrees. To qualify, students must be Minnesota residents and be entering their 3rd or 4th academic year in the fall of 2014.

Scholarship amounts are:

- One - $1,750 (Dewey Kasma Memorial Scholarship)
- Four - $1,250 (College scholarship)

One application submittal is sufficient to apply for all 5 scholarships. Applications are due on Friday, June 13, 2014.

To find out more or download an application visit:

- http://www.apwa-mn.org/events-education/scholarships

**Association of State Dam Safety Officials Undergraduate Scholarship:** DUE 3/31/14

Scholarships of up to $10,000 will be awarded for the 2014/2015 school year. Successful recipients must be U.S. citizens and enrolled full-time at the senior level (during the 2014/2015 school year) in an accredited civil engineering program, or in a related field as determined by ASDSO, and must demonstrate an interest in pursuing a career in hydraulics, hydrology or geotechnical disciplines, or in another discipline related to the design, construction and operation of dams. Undergraduate students planning to graduate in May/December 2015 will be eligible for the 2014 scholarship.

Applicants must have a cumulative grade point average of 2.5 for the first three years of college and be recommended by their academic advisor. The basis for selection will generally follow these guidelines: academic scholarship, financial need, work experience/activities, and an essay component.

Announcement of successful candidates will be made in July 2014. To download an application, visit:


**NAE “Engineering for You” Video Contest:** DUE 3/31/2014

NAE is offering a $25,000 prize to the most inspiring 1-2 minute video focused anywhere between 1964 and 2064. The contest will run until March 31, 2014. For more information, visit www.e4uvideocontest.org or email E4Uvideocontest@nae.edu.
Student Organization Updates:

Update from ASCE:

Regionals are right around the corner and we are looking forward to the experience! This year about 40 participants will be headed down to Fort Collins to participate in a host of fun and interesting seminars and activities, including the canoe and steel bridge competitions. Here’s the plan in case you missed it at the last meeting:

**March 25: Watch Regionals Presentations & Give Feedback**
4:00 PM – CM 310: All are invited to watch the papers that will be given at regionals.
We want these speeches to be perfect so come and give your feedback!

**April 3: Leaving For Regionals!**
7:00 AM: Meet in the stadium parking lot
7:30 AM: Leave for Fort Collins! (Don’t forget your 20 cans for the CANstruction competition!)
4:00 – 7:00 PM: Registration

For a full schedule of the events, click [HERE](#) or email us to request a copy. Other fun things to look forward to include:

**March 26: Joint Meeting with Engineering & Scientists Abroad**
5:00 PM – CM 310: ASCE and ESA are coming together for a joint meeting. Hope to see you there!

**March 31: ASCE Bridge Photo Competition Deadline**
The Bridge Photo Competition opened on February 1st!

**April 26: Mines Steel Bridge Reunion**
After a full decade of Steel Bridge, current and past team members will come together for the first time to celebrate.
More information will be coming soon!

As with everything ASCE, make sure to keep checking your email, MinesLink, and Facebook for details as they come. If you’re not on the email list, email ASCE@mines.sdsmt.edu to get in the loop or visit us in the Bill Coyle Lounge.

**Note from Concrete Canoe Captains Kyle & Logan:**
We are nearly ready for competition! The canoe is almost done being sanded in preparation for staining, and the ice is just getting thin enough to practice in. We’ll figure out who’ll be racing once we log those practice hours and then it’ll be “Fort Collins, here we come!”
- To get involved, contact Kyle.Carey@mines.sdsmt.edu or Logon.Vogt@mines.sdsmt.edu

**Note from Steel Bridge Captains Kirk & Nick:**
We’re in the homestretch now, and the “Steel Dutchman” is nearly complete! We’re working on getting those build times down and can’t wait to compete. We’re also looking forward to the Steel Bridge reunion, set for April 26, and in preparation for that, we’ve unveiled a brand new logo, shown to the right! Be sure to stay in touch for more reunion updates.
- Congratulations to Abby Fleck who designed the new steel bridge logo!
- To get involved, contact Nicholas.Claggett@mines.sdsmt.edu or Kirk.Ehlke@mines.sdsmt.edu