Hello Students!

The following newsletter contains important department updates, notes, and information: please be sure to read carefully and ask questions as they arise. We encourage you to contact your advisor or Professor Lois Arneson-Meyer with any questions or concerns related to curriculum and course planning: lois.arneson-meyer@sdsmt.edu. You may also reach out to our department head, Dr. Gribb, at molly.gribb@mines.edu. Finally, be sure to take advantage of our department community! Helpful upperclassmen and graduate students can usually be found studying or hanging out in the Bill Coyle Student Center on the second floor of the Civil-Mechanical building. The Bill Coyle Student Center is also home to the ASCE student chapter office. Don’t be shy: drop by if you’re looking for a good place to study or to ask about getting involved with our department’s ASCE student chapter!

CEE Seminar Series:

• Seminars are usually held every other Wednesday at 4:00 PM in CB 204W.
• The next seminar is this Wednesday, October 22. Alumnus Christopher W. Leibrock of the SDDOT Foundation Group will discuss a geotechnical project to investigate Rapid City’s Silver Street interchange.
• Everyone is welcome to attend this and future events. Details and a schedule are posted here:
  ✓ http://www.sdsmt.edu/Academics/Departments/Civil-and-Environmental-Engineering/Activities-and-Organizations/Seminar-Series/

Curricular Changes & Notes:

• Flowcharts for catalog years 2012 and beyond are available here. Questions? See your academic advisor. Can’t find your advisor? Contact Professor Lois Arneson-Meyer: lois.arneson-meyer@sdsmt.edu
• Looking for online department approved electives? The University of Wyoming offers land surveying classes and a certificate program via distance methods. CEE students may take any of their 3000 or 4000-level courses as department approved electives. Information about courses, registration and tuition available here: http://www.uwyo.edu/civil/landsurvey/

BSCE curricular changes affecting all students for 2014-15 include the following:

• CEE 357 has been replaced by CEE 456 as one of the ‘pick 3 of 4’ junior-level electives for students following the CE curriculum.
• CEE 428 Oil and Gas Development and the Environment is a NEW department approved elective course available for spring 2015 that supports the new Petroleum Systems minor.
• There is a NEW Petroleum Systems minor available. This interdisciplinary minor is available to any student on campus interested in expanding their portfolio of coursework to include additional content relevant to the energy sector. Science and engineering majors may pursue a Minor in Petroleum Systems by completing eighteen (18) credit hours of courses. A minimum of 6 credits must be from courses outside of those that are required or elective within a chosen major. Check out this great way to increase your marketability working in the energy sector when you graduate:
  ✓ http://ecatalog.sdsmt.edu/preview_program.php?catoid=13&poid=1099&returnto=2304

More Information on the FE Exam Included:

This newsletter includes important information regarding the Fundamentals of Engineering (FE) Examination. The CEE department strongly encourages you take this exam as soon as you are eligible, as it is the first step toward professional licensure. Passing the FE exam is an important milestone that will increase your career opportunities! If you’ve already signed up but haven’t been hitting the books as hard as you’d like, there are still a few review sessions left this semester. Questions? Contact Dr. Gribb:
molly.gribb@sdsmt.edu
How to Sign Up for the FE Exam

Who is eligible to sign up for the Fundamentals of Engineering (FE) Exam?
Seniors who are within two semesters of graduating may apply for the FE exam, which is the national examination from the National Council of Examiners for Engineering and Surveying (NCEES).

Do I have to take the FE exam?
Please note that the CEE department does not require students to take the FE exam to graduate, but don’t limit your opportunities by neglecting to take this exam! It becomes significantly more difficult to pass this exam after you graduate. The CEE department strongly encourages you take this exam as soon as you are eligible, as it is the first step toward professional licensure. Passing the FE exam is an important milestone that will increase your career opportunities. Take the first step toward professional licensure - apply for the Fundamentals of Engineering (FE) Examination.

When and where is the exam administered?
The FE exam is now administered via computer-based testing (CBT) during four testing windows throughout the year:
January–February, April–May, July–August, and October–November.

Signing Up:

1. **Create an account with the South Dakota Board of Technical Professions and apply to take the FE exam.** This needs to be done first because NCEES will check to make sure you have approval from the board before allowing you to schedule the exam: [https://apps.sd.gov/LD17BTP/login.aspx](https://apps.sd.gov/LD17BTP/login.aspx). You must do this first or experience significant delays in gaining approval.

2. **Create an account on the NCEES website and pay for the FE Exam while waiting for approval from the South Dakota Board of Technical Professions.** The NCEES login page is here: [https://account.ncees.org/login](https://account.ncees.org/login). Once NCEES gets approval from the South Dakota Board, you will receive an email to schedule your exam. The exam periods are: October-November; January-February; April-May, and July-August.

3. **Direct questions about the testing center at SDSM&T to Tammy Moore.** Contact Tammy Moore via email: tamara.moore@sdsmt.edu or call 605-394-2486. The testing center is located in the basement of the library.

4. **Access review materials at NCEES.org**
   - FE Exam Subjects - Civil Engineering:
   - FE Exam Subjects - Environmental Engineering:
   - FE Reference Guide:
   - FE Practice Exams ($50):
     - [http://ncees.org/exams/study-materials/](http://ncees.org/exams/study-materials/)

There are still a few FE review sessions yet this semester at 8-8:50 am in CB 116 unless otherwise noted.

Questions? Contact Dr. Gribb: molly.gribb@sdsmt.edu.

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<tr>
<th>Dates</th>
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<td>10/22/2014</td>
<td>Wed</td>
<td>FE review: materials (Shearer)</td>
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<tr>
<td>10/27/2014</td>
<td>Mon</td>
<td>FE review: groundwater, hydraulic conductivity and flow nets (Gribb)</td>
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<td>10/28/2014</td>
<td>Tues</td>
<td>EnvE FE: Environmental science and chemistry, water and wastewater and solid and hazardous waste (Stone), 10:30 am – 11:15 am in CB 328.</td>
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<td>10/31/2014</td>
<td>Fri</td>
<td>FE Review: Mechanics of Materials (A-Meyer) OR EnvE FE review: risk and air quality (Benning, CB205W)</td>
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Student News:

CEE Students Participate in Engineers Make Great Entrepreneurs (EMGE) Program
The following CEE students participated in the Engineers Make Great Entrepreneurs program on campus this fall: Kylie Berger, Abbey Larson, Joshua Maunu, Cody Schellinger, Dakota Spellman, Patrick Stetson, Derrick Thomas, Cassidy Trapp, Hunter Vincent, and Connie Zehms. Way to go!

ASCE Student Chapter Update: Next Meeting Wednesday, October 22
Members of our chapter recently returned from an exciting trip to Panama City, Panama where this year’s ASCE Global Engineering Conference was held from October 7-11. The eleven students who attended reported that they were able to network with professional civil engineers as well as see the Panama Canal and the new Panama Canal expansion project. Welcome back!

ASCE’s next meeting will take place on **Wednesday, October 22 at 4:00 PM in CB204W**. Our chapter will welcome guest speaker and alumnus **Christopher Leibrock** (CE 09, MSCE 10) of the South Dakota Department of Transportation Foundation Group [NOTE: event is also a seminar series presentation] and discuss upcoming events including **Thursday’s highway cleanup**. Lastly, don’t forget to join us for **Ultimate Frisbee on Sundays at 1:00PM at the King Center**! Questions? Contact us at **ASCE@mines.sdsmt.edu** or stop by our office in the Bill Coyle Student Center on the second floor of the Civil-Mechanical building!

Faculty News:

**Congratulations to Dr. Marc Robinson!**
Dr. Marc Robinson has been awarded the William V. Coyle Professorship. Myrna Coyle, wife of William (Bill) V. Coyle, an iconic former professor and head of the CEE department at the School of Mines, established the William V. Coyle Endowment in 2007 to honor Bill’s memory by creating a professorship in the department he cherished and to which he devoted his life. The goal of the professorship is to provide assistance for broadening and enhancing the CEE program at the School of Mines. The Coyle Professorship recognizes Dr. Robinson for his strong commitment to the Civil and Environmental Engineering Department and outstanding contributions to student learning through his teaching, research and outreach efforts.

Department News:

**Professional Advisory Board (PAB) Members Return to Campus for Annual Meeting**
The CEE department welcomed members to its annual Professional Advisory Board (PAB) meeting on September 22, 2014. The meeting focused on strategic planning and development and included a panel discussion presentation by PAB members to CEE seniors. Mines President Heather Wilson, DPhil, welcomed the PAB and shared an update on the university. PAB members in attendance were **Ray Bettmeng** (CE 87), **Mike Halde** (CE 98, MSCE 99), **Mike Hansen** (CE 90), **Ron Jeitz** (CE 69), **Joel Jundt** (CE 85), **Keith Mattecheck** (CE 99), **Dave Muck** (CE 94, MSCE 95), **Jason Love** (CE 97, MSCE98), **Dennis Rounds** (MSCE 91), and **Larry Schmaltz** (CE 79). PAB members **Mike Halde** (CE 98, MSCE 99), Agatha Kotsonis and Darin Brickman were unable to attend this meeting. For more information about the CEE department, please visit: **http://cee.sdsmt.edu**

**William V. Coyle Professor Dr. Marc Robinson**

(L to R): Jason Love, Ray Bettmeng, Dennis Round, Ron Jeitz, Dave Muck, Joel Jundt, Keith Mattecheck, Larry Schmaltz, CEE Department Head Molly Gribb and Mike Hansen
Jobs, Internships, Funding & Scholarships:

Internships & Jobs Posted on Goldmine
GoldMine has internship and job postings. Don’t know how to use Goldmine? Once logged in, click the “job search” tab, then try selecting “advanced search” to enter your major and degree-level and other specifications. Use the “sort by” dropdown menu to get a personalized list of opportunities. Good luck!

U.S. Army Corps of Engineers in Rapid City Looking for Student Help
The U.S. Army Corps of Engineers in Rapid City is searching for student help this winter/spring. The position involves data input for large construction project modifications with the possibility of gaining project experience if time allows. Professional and organized students who are available 10-16+ hours a week during business hours (7:00AM – 4:30PM M-F) are encouraged to send a one-page resume to the following email address: rebecca.m.vandine@usace.army.mil

Houston Engineering Inc. Job Openings Posted to Web
Houston Engineering Inc. has recently posted several job opening including positions in Minnesota’s Maple Grove office are encouraged to consider applying at: http://houstoneng.applicantpro.com/jobs/ and to contact Garrett Monson with questions at: gmonson@houstoneng.com

South Dakota Well Drillers Association Offers Scholarships
The South Dakota Well Drillers Association is pleased to announce it is offering scholarships totaling $9,000.00 to be divided between two deserving students. The Association recognizes the need for educational advancements at all levels of the industry and seeks to support students pursuing their educational goals.

Applicants must be a resident of South Dakota or a relative of an individual employed by a Member Company in good standing of the SDWDA. Applicants must be a full-time student who has successfully completed their freshman year at an accredited South Dakota University or Technical School with a declared major in an area of study related to the water well/groundwater industry. Areas of study include, but are not limited to: Engineering, Geology, Hydro-Geology, Environmental Sciences, Pump Installation/Plumbing, Geo-Thermal, etc.

Applications must be received by December 1, 2014. Applications and rules for application can be obtained by contacting Dennis Duvall, Committee chairman by email at: dennis@dakotaenv.com. Please include your mailing information in your email.