

# LEEPS 2007 – 2008

## Leading Edge of Earth and Planetary Science Lectures

Download [Working pdf Calendar](#)

Typical Lectures – 100 Leonard Hall, Fridays at Noon and  
109 Leonard Hall, Fridays at 3:00 p.m. (see below for exceptions)

**Both lecture times open to the public.**

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**THIS SCHEDULE IS FREQUENTLY UPDATED**

Date	Availability	Planning/Topic/Title
Sept. 7	Hartman Planning	Hartman Southwestern North Dakota Field Trip
Sept. 14	Perkins Planning	Perkins Yellowstone Field Trip Geol 421-422 Spontaneous Talks
Sept. 19	AUG planning	5:00 p.m. Departmental Picnic at Lincoln Park, Shelter 2 Sign-Up in Geology Office
Sept. 20 Thurs	SGE planning	Geology's Beta Zeta Chapter of Sigma Gamma Epsilon (SGE): 6:30 p.m., EERC's Terry Bailey (Geology B.S. 1970) will present a talk entitled: "From Log-Slipping to 3D Workstations: The Changing Times in the Oil Industry." All are welcome to attend and refreshments will be served in Room 100 (Lecture Bowl) Leonard Hall.
Sept. 21	Hartman Planning	Master's Student Thesis Proposal Presentation 12:00 p.m.: Tanya Justham (for Geol 356-421-422 students, faculty, and others), "Geochemical Diagenetic Model for Ironstone Cretaceous and Paleocene Mollusks in North Dakota" 12:30 p.m.: Geol 421-422 Artifact Talks (with Geol 356 students) 3:00 p.m.: Geol 421-422 Artifact Talks (with Geol 356 students)
		GGE Homecoming-A.G. Leonard Award Banquet

Sept. 27	GGE Planning	<p><b>Awardees: Mary Scott (M.S. '72) &amp; Joni Lerud-Heck (M.S. '79)</b></p> <p>(Thursday, Ramada Inn) Festivities start at 5:30 p.m.</p>
		<p><b>12:00 p.m. GGE A.G. Leonard Award Banquet Lecture</b></p> <p>To be presented by <b>Thomas Hamilton</b> (Geology Alum – M.S. '67, Ph.D. '70) – <i>"Global Oil Supply, Peak or Not? Implications for Consumers and Geologists"</i> (Sioux Awardee, this homecoming)</p>
Sept. 28	GGE Planning	<p><b>1:00 p.m., GGE Advisory Meeting (Conference Room)</b></p> <p><b>2:30 p.m. SEM Academy, refreshments (Upson II)</b></p> <p><b>3:00 p.m., SEM Academy Ceremony, inductee Brett Fossum (B.S. G.E., 1982) (Dean Watson, President Kupchella, Chair Gosnold)</b></p> <p><b>Dean's SEM Academy Award and Dinner (by invitation only)</b></p>
Oct. 5	Perkins Planning	<p><b>LEEPS - Julie Baldwin</b>, University of Montana, Missoula</p> <p><b>12:00 p.m.: "Extreme crustal metamorphism of granulites in the Anaplis-Itaucu Complex, Brailia Belt, central Brazil"</b></p> <p><b>03:00 p.m.: "Formation of eclogite and reaction during exhumation, Snowbird Tectonic Zone, north Saskatchewan, Canada"</b></p>
Oct. 12	Hartman Planning	<p><b>Geol 356, Geol 421, Geol 422 class</b></p> <p><b>12:00 p.m.: Geol 421-422 Chalk Talks</b></p> <p><b>3:00 p.m.: Geol 421-422 Chalk Talks</b></p>
Oct. 18	SGE Planning	<p><b>Geology's Beta Zeta Chapter of Sigma Gamma Epsilon (SGE):</b></p> <p><b>6:30 p.m., Ken Lepper</b> (North Dakota State University, Fargo) will present on: <b>"Lake Agassiz: Trigger man for the Younger Dryas or an innocent bystander?"</b></p> <p><b>All are welcome to attend and refreshments will be served in Room 100 (Lecture Bowl) Leonard Hall.</b></p>
Oct. 19	Perkins Planning	<p><b>LEEPS - Adam Lewis</b>, North Dakota State University, Fargo</p> <p><b>12:00 p.m.: An ongoing geomorphic problem in Antarctica - are subglacial megafloods real?</b></p> <p><b>3:00 p.m.: A terrestrial record of Neogene Antarctic climate from glacier thermal regimes and extinction of a tundra biota</b></p>
Oct. 26	<b>Travel</b>	<p>Geological Society of America annual meeting (Denver)</p>

Nov. 2	Hartman Planning	<p><b>Geol 356, Geol 421, Geol 422 class</b></p> <p><b>12:00 p.m.: Geol 421-422 Chalk Talks</b></p> <p><b>3:00 p.m.: Geol 421-422 Chalk Talks</b></p>
Nov. 3	Perkins Planning	<b>GGE AUG-SGE Halloween Party</b>
Nov. 7	SGE Planning	<p><b>Geology's Beta Zeta Chapter of Sigma Gamma Epsilon (SGE):</b></p> <p><b>6:30 p.m., Jim Miller (University of Minnesota-Duluth) will present on: The Precambrian Research Center at the University of Minnesota Duluth - Preparing students for the growing boom in mineral exploration</b></p> <p><b>All are welcome to attend and refreshments will be served in Room 100 (Lecture Bowl) Leonard Hall.</b></p>
Nov. 9	Perkins Planning	<p><b>LEEPS - Karl Wirth, Macalester College, St. Paul, Minnesota</b></p> <p><b>12:00 p.m.: Extensive regional sedimentation following Grenville deformation: Evidence from the Midcontinent region</b></p> <p><b>03:00 p.m.: How do we know they are learning what we want them to? Assessing our classes and our curricula</b></p>
Nov. 16	Hartman Planning	<p><b>Geol 421-422 PowerPoint review (Abstracts due)</b></p> <p><b>Master's Student Thesis Proposal Presentation</b></p> <p><b>3:00 p.m.: Lucas Buckingham (for Geol 356-421-422 students, faculty, and others), "Stratigraphic framework and shallow gas potential of the Cretaceous, east flank of the Williston Basin, North Dakota"</b></p>
Nov. 23	<b>No lecture</b>	<b>Thanksgiving Day Observance</b>
Nov. 26	Gosnold Planning	<p><b>3:00 p.m.: Master's Thesis Defense</b></p> <p><b>Shannon Heinle on "Resolving terrain effects in borehole temperature profiles"</b></p>
Nov. 27	Gerla Planning	<p><b>12:30 p.m.: Master's Thesis Defense</b></p> <p><b>Abigail Franklund on "Developing a rapid method for assessing the physical stability of streams in Minnesota's Agassiz beach ridges"</b></p>
		<p><b>12:00 p.m.: Geol 422 Senior Theses Presentations</b></p> <p><b>Anne Worden: "Distinction of the Breien and Cannonball Tuffs of Southern North Dakota"</b></p> <p><b>Andrew Bongard: "The downstream transport of boron and choride from a flowing well at Pigeon Point, Ransom County, North Dakota"</b></p>

Nov. 30	Hartman Planning	<p><b>3:00 p.m.: Geol 422 Senior Theses Presentations</b></p> <p>Jon Hrabik: <i><b>"Numerical modeling of CO<sub>2</sub> non-Darcy flow in rocks"</b></i></p> <p>Sean Knutson: <i><b>"Wetland creation"</b></i></p> <p><b>4:00 p.m.: Geol 421 Presentation</b></p> <p>Ben Huffman: <i><b>"An introduction to the Skaergaard Complex and how it compares with Stillwater Complex"</b></i></p>
Dec. 6 (Thur)	GGE planning	<p><b>GGE Christmas Party</b></p> <p><b>See GGE office sign-up sheet</b></p>
Dec. 7	<b>No lecture</b>	<b>Reading and Review</b>
Dec. 10	<b>No lecture</b>	Finals Week
Jan. 11 Fri.	Hartman	12:00 p.m.: Geol 356-421-422 classes
Jan. 18 Fri.	Hartman	<p><b>12:00 p.m.: Geol 356-421-422 classes, Artifact Talks</b></p> <p><b>3:00 p.m.: Geol 356-421-422 classes, Artifact Talks</b></p>
Jan. 23 Wed.	Perkins Planning	<p><b>LEEPS - Steve D. Jacobsen, Northwestern, Mineralogical Society of America Distinguished Lecturer</b></p> <p><i><b>12:00 p.m.: Water cycling in the deep Earth: Are the oceans just the tip of the iceberg?</b></i></p> <p><i><b>03:00 p.m.: Unfamiliar landscape in the deep mantle: Properties of Earth materials at very high pressures and temperatures</b></i></p>
Jan. 25 Fri.	Hartman	<p><b>12:00 p.m.: Geol 356-421-422 classes, Artifact Reivew, Chalk Talks</b></p> <p><b>3:00 p.m.: Geol 356-421-422 classes, Chalk Talks</b></p>
Feb. 1 Fri.	Perkins Planning	<p><b>LEEPS - Bernhardt Saini-Eidukat, North Dakota State University, Fargo</b></p> <p><i><b>12:00 p.m.: Ore deposit geology, germanium-rich zinc deposit of Tres Marias, Mexico</b></i></p> <p><b>3:00 p.m.: Whence Gondwanan Patagonia?</b></p>
Feb. 5 Tue.	GGE Search	<p><b>12:00 p.m.: Candidate Presentation, Surficial Processes Position</b></p> <p><b>1:00 p.m.: Lunch with Students</b></p>
		<b>LEEPS - P.H.S.W. Kulatilake, Department of Geological Engineering</b>

Feb. 8 Fri.	Zane Planning	<p>Program, Dept. of Materials Science &amp; Engineering, University of Arizona, Tucson</p> <p><b>12:00 p.m.: Rock slope stability analyses--A case study</b></p> <p><b>03:00 p.m.: Three dimensional rock mass fracture geometry and fluid flow modeling for a tunnel site in California</b></p>
Feb. 12 Tue.	GGE Search	<p><b>12:00 p.m.: Candidate Presentation, Surficial Processes Position</b></p> <p><b>1:00 p.m.: Lunch with Students</b></p>
Feb. 15 Fri.	GGE Search Hartman	<p><b>12:00 p.m.: Candidate Presentation, Surficial Processes Position</b></p> <p><b>1:00 p.m.: Lunch with Students</b></p> <p><b>3:00 p.m.: Geol 356-421-422 classes</b></p>
Feb. 19 Tue.	GGE Search	<p><b>12:00 p.m.: Candidate Presentation, Geo-Engineering Position</b></p> <p><b>1:00 p.m.: Lunch with Students</b></p>
Feb. 21 Thur.	SGE Room 215	<p><b>GGE Sigma Gamma Epsilon Lecture Series</b></p> <p><b>Vladimer Zivkovic, UND GGE, Ph.D. student</b></p> <p><b>5:30 p.m.: The Lake St. Martin impact crater</b></p>
Feb. 22 Fri.	Perkins	<p><b>LEEPS - Rodney Ewing, University of Michigan, Ann Arbor</b></p> <p><b>12:00 p.m.: Nuclear energy issues: Plutonium vs. Carbon</b></p> <p><b>3:00 p.m.: Pyrochlore: The elegant response of a simple structure to extreme conditions</b></p>
Feb. 26 Tue.	GGE Search	<p><b>12:00 p.m.: Candidate Presentation, Geo-Engineering Position</b></p> <p><b>1:00 p.m.: Lunch with Students</b></p>
Feb. 29 Fri.	GGE Search Hartman	<p><b>12:00 p.m.: Candidate Presentation, Geo-Engineering Position</b></p> <p><b>1:00 p.m.: Lunch with Students</b></p> <p><b>3:00 p.m. Geol 356-421-422 classes</b></p>
Mar. 7	No lecture	<b>Spring Break</b>
Mar. 14 Fri.	Hartman Planning	<p><b>Advanced Paleontology III (Geol 515), Denver Fowler and John Scanella, Museum of the Rockies, Montana State University, Bozeman</b></p> <p><b>9:00 a.m.: The John Denver Project - Emerging methods in Hell Creek and Triceratops research</b></p>
		<b>LEEPS - Greg Wilson, University of Washington, Seattle</b>

Mar. 14 Fri.	Hartman Planning	<b>12:00 p.m.: Dying Dinosaurs &amp; exploding mammals: Hell Creek's window on the Cretaceous-Tertiary extinction</b>  <b>3:00 p.m.: Endemics, relicts, and dispersalists: Cretaceous mammals from the drifting Indian subcontinent</b>
Mar. 21	No lecture	<b>Easter Observance</b>
Mar. 26 Wed.	Hartman Planning	<b>Surviving on Planet Earth (Geol 105), Stephanie Borchart, Veteran's Administration, Fargo</b>  <b>5:00 p.m.: Emerging Infectious Diseases</b>
Mar. 28 Fri.	Hartman	<b>12:00 p.m.: Candidate Presentation, Geo-Engineering Position</b>  <b>1:00 p.m.: Lunch with Students</b>  3:00 p.m., Geol 356-421-422 classes on PPT talks
Apr. 2 Thur.	<b>SGE</b>	<b>Geology's Beta Zeta Chapter of Sigma Gamma Epsilon (SGE):</b>  <b>5:30 p.m., Jim Sorensen, EERC</b>  <b>Topic: Phase III, CO2 Sequestration</b>
Apr. 4 Fri.	Hartman planning	<b>LEEPS - Alycia Stigall, Ohio University, Athens</b>  <b>12:00 p.m.: Using GIS and phylogenetic biogeography to quantify biogeographic patterns in Late Devonian brachiopod and bivalve species invasions over short temporal intervals</b>  <b>3:00 p.m.: Taphonomy of high-latitude Jurassic lake deposits of Antarctica</b>
Apr. 11 Fri.	Hartman	12:00 p.m., Geol 356-421-422 classes  3:00 p.m., Geol 356-421-422 classes
Apr. 17 Thur.	Hartman planning	<b>Master's Thesis Defense, Tanya Justham, UND GGE</b>  <b>9:00 a.m., Rm 109: Geochemical analysis of ironstone preserved molluscan fossils of the Hell Creek Formation and Ludlow Member of the Fort Union Formation of southwestern North Dakota</b>  <b>All are invited to attend.</b>
Apr. 17 Thur.	<b>SGE</b>	<b>Geology's Beta Zeta Chapter of Sigma Gamma Epsilon (SGE):</b>  <b>Betsy Scharf, University of North Dakota Department of Anthropology</b>  <b>5:30 p.m.: Using lacustrine sediments to investigate patterns and causes of fire over the past millennium in the Columbia Basin, Washington, USA</b>

Apr. 18 Fri.	Hartman	12:00 p.m., Geol 356-421-422 classes: Senior Thesis & Senior Design 3:00 p.m., Geol 356, 421-422 classes: Senior Thesis & Senior Design
<b>Apr. 24</b> <b>Thur.</b>	<b>NDAS</b> <b>Grand Forks</b>	North Dakota Academy of Science Annual Meeting <a href="#">NDAS Web Site</a> <i>Time TBD: Marron Bingle (UND GGE), Paleobiogeographic analysis of uppermost Cretaceous Viviparidae (Class Gastropoda) from infratrappean sediments of the Deccan Plateau, India</i>
Apr. 25 Fri.	Hartman	12:00 p.m., Geol 356-421-422 classes: Senior Thesis & Senior Design 3:00 p.m., Geol 356, 421-422 classes: Senior Thesis & Senior Design
May 1 (Thur)	SGE-GGE planning	<b>SGE-GGE Spring Awards Banquet</b> <b>Mary Schweitzer - North Carolina State University</b> 12:00 p.m., <i>How do we know what we know about dinosaurs</i> <i>Banquet, T rex under the microscope, an new look at an old dinosaur</i>
May 2	<b>No lecture</b>	<b>Reading and Review</b>
May 7	<b>No lecture</b>	<b>Finals Week</b>

Last updated 27 March 2008